جامعة الأخوين
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AL AKHAWAYN UNIVERSITY

Academic Catalog 2021-2023

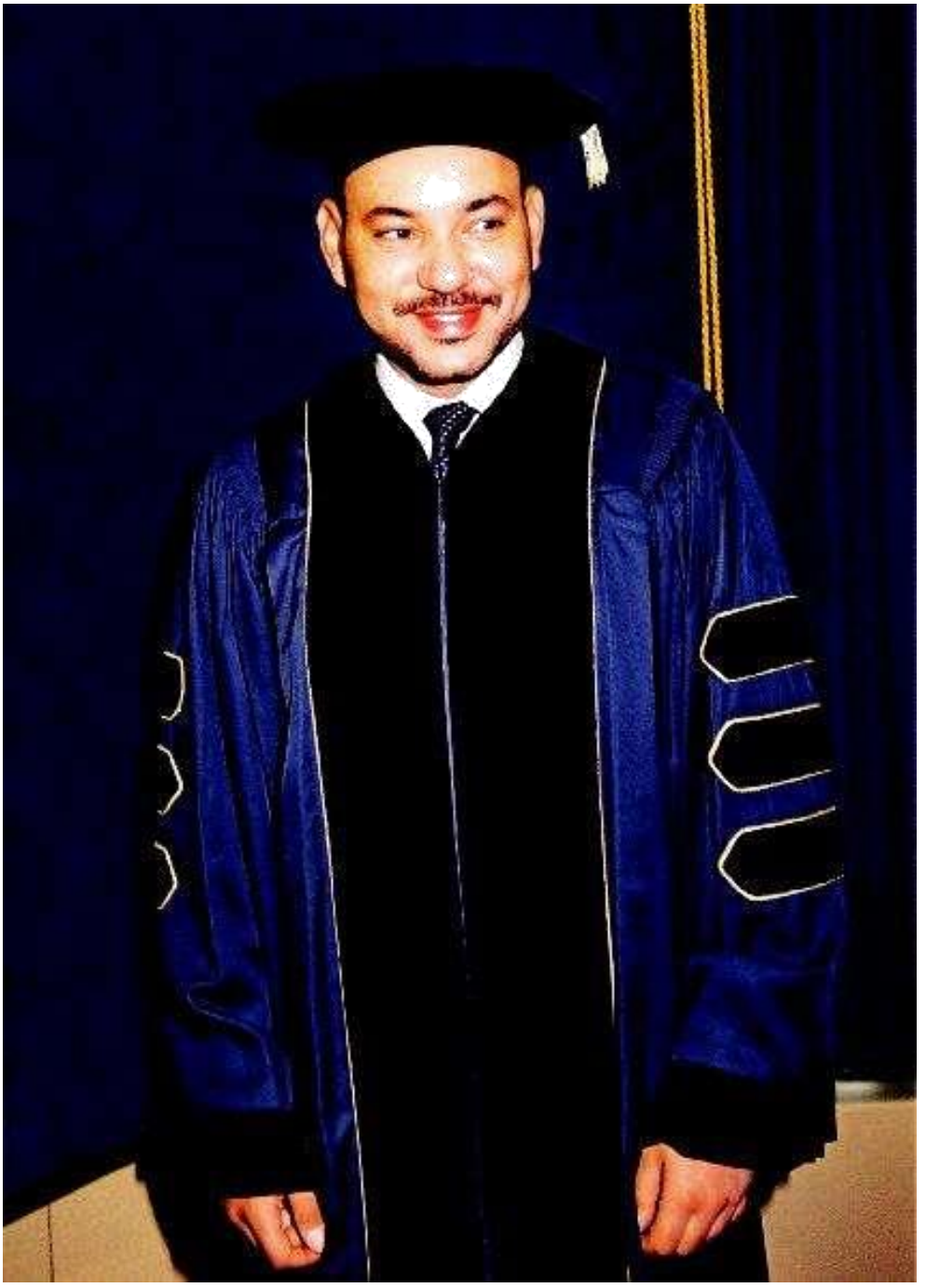
Undergraduate and Graduate Programs

AL AKHAWAYN UNIVERSITY IN IFRANE

www.aui.ma

2021-2023 CATALOG

UNDERGRADUATE
AND GRADUATE
PROGRAMS



His Majesty King Mohammed VI at The George Washington University where he received an honorary degree on June 6, 2000.

The late King Fahd Ibn Abdulaziz of Saudi Arabia and the late King Hassan II of Morocco, the University's two founding brothers (Al Akhawayn).

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Disclaimer

Material included in this Catalog is based on information available as of Fall 2021 and is subject to change. Students enrolling in Fall 2021 shall abide by the graduation requirements herein, and students enrolling in Fall 2022 shall abide by the same requirements or any changes or addenda that are published.

MESSAGE FROM THE PRESIDENT

Welcome to Al Akhawayn University in Ifrane (AUI)!

I'm very happy you are connecting with us, whether you are a prospective student, a parent, a partner, or an alumnus.

We are a liberal arts university in Morocco committed to marrying universal Excellence and Moroccan Identity. About a third of our faculty are international, three out of four students experience a term of international mobility before graduation, and our alumni's careers are typically international, often including - and alternating - career segments in Morocco and in different other countries.

I hope you will get to meet some members of our community. As we navigate between Excellence and Identity, our faculty, students and staff are very passionate to *Inspire, Transform and Impact!* We pursue this vocation in our teaching and learning experience, in our campus life, and in our quest for discovery and for impactful service, as we seek to make a difference for our students, our community (ourselves!) and our environment (starting with our host city – Ifrane).

Our faculty and staff really thrive on their devotion to our students' academic and career success, as well as their personal wellbeing and fulfillment, and we strive to continuously improve at this by partnering, having fun and growing together with our students!

I am pleased to invite you and hope you will get a chance to visit us.

Dr. Amine Bensaid

President

ACADEMIC CALENDAR

The University reserves the right to revise or amend the present academic calendar, in whole or in part, at any time. Adjustments may be made for religious holidays. In any such case, changes will be communicated by email, and the most up-to-date academic calendar will always be on the University's website and on your portal - please always refer to them.

FALL SEMESTER 2021

August 24-September 2	End of Summer Intersession Program
August 30	General Faculty Convocation
September 9-11	New and International Students Registration
September 12	Continuing Student Registration & Fee Payment
September 13	Classes Begin. First Day of Late Registration First day of Add/Drop (schedule revision)
September 16	Last Day to Revise Schedule – courses dropped will not reflect on transcript Last Day of Late Registration
September 25	Make up class for September 6th
October 9	Make up class for September 7th
October 18-20	Holiday: Eid Al Mawlid and long weekend (to be confirmed)
October 23	Make up class for September 8th
November 3	Last day for faculty to return the Mid-Semester evaluations
November 5	Last Day to Drop a Course with "W". Beyond this date "WP" or "WF".
November 13	Make up class for September 9th
November 16	Last Day to Drop a Course with "WP" or "WF".
November 18-19	Holiday: Independence Day and long weekend
November 22-26 & Nov 29-December 3	Mandatory Pre-Registration for Spring 2022
November 27	Make up class for September 10th
December 1	Last day for graduate students to register for project/thesis defense
December 8	Last Day to Withdraw from the University
December 15	Last Regular Class Day
December 16	Review Day
December 17-24	Final Exams (including Common Exams)
December 28	Final Day for Faculty to Submit Semester Grades

SPRING SEMESTER 2022

December 29-January 8	Winter Intersession Program
January 10	General Faculty Convocation for Spring Semester
January 12	New and International Students Registration and Speech of the President
January 12-16	New Students Orientation Program
January 13-14	Continuing Student Registration & Fee Payment
January 17	Classes Begin. First Day of Late Registration First Day to Add/Drop (Schedule Revision)
January 20	Last Day to Revise Schedule - courses dropped will not reflect on transcript- Last day of Late Registration
March 7-11	Spring Break
March 16	Last day to return the Mid-Semester evaluations
March 18	Last Day to Drop a Course with “W”. Beyond this date “WP” or “WF”.
April 1	Last Day to Drop a Course with a “WP” or “WF”
April 4-8 & 11-15	Mandatory Pre-registration for Summer and Fall 2022
April 15	Last day for graduate students to register for project/ thesis defense
April 22	Last Day to Withdraw from the University
April 29	Last Regular Class Day
May 2-4	Holiday: Aid Al Fitr (To be confirmed)
May 5-12	Final Exams (including Common Exams)
May 16	Final Day for Faculty to Submit Semester Grades

SUMMER SESSION 2022

May 17-26	Summer Intersession Program
May 30-31	Classes Begin First Day of late Registration First Day to Add/Drop (Schedule Revision)
June 1	Classes Begin First Day of late Registration First Day to Add/Drop (Schedule Revision)
June 2	Last Day to Revise Schedule - courses dropped will not be reflected on transcript. Last day of Late Registration.
June 11	Commencement (to be confirmed)
June 24	Last Day to Drop a Course with “W”. Beyond this date “WP” or “WF”
June 29	Last Day to Drop a Course with a “WP” or “WF”
July 7	Last Day to Withdraw from University
July 10-12	Holiday-Eid Al Adha (To be confirmed)
July 14	Last Regular Class Day
July 15	Review Day

July 16-17	Final Exams
July 20	Final Day for Faculty to Submit Semester Grades

FALL SEMESTER 2022

August 22	General Faculty Convocation
August 23-September 1	End of Summer - Intersession Program
September 2-4	New and International Students Registration
September 2-7	New Students Orientation Program
September 6-7	Continuing Student Registration
September 8	Classes Begin. First Day of Late Registration First day of Add/Drop (schedule revision)
September 13	Last Day to Revise Schedule – courses dropped will not reflect on transcript Last Day of Late Registration
October 10	Holiday: Eid Al Mawlid and long weekend (to be confirmed)
November 1	Last day for faculty to return the Mid-Semester Evaluations
November 3	Last Day to Drop a Course with “W”. Beyond this date “WP” or “WF”.
November 16	Last Day to Drop a Course with “WP” or “WF”
November 18	Holiday: Independence Day
November 21-December 2	Mandatory Pre-Registration for Spring 2023
November 30	Last day for graduate students to register for project/thesis defense
December 7	Last Day to Withdraw from the University
December 14	Last Regular Class Day
December 15	Review Day
December 16-23	Final Exams (including Common Exams)
December 26	Final Day for Faculty to Submit Semester Grades

SPRING SEMESTER 2023

January 2-12	Winter Intersession Program (January 11 – Holiday)
January 12	General Faculty Convocation
January 14-15	New and International Students Registration
January 14-18	New Students Orientation Program
January 17-18	Continuing Student Registration
January 19	Classes Begin. First Day of Late Registration First Day to Add/Drop (Schedule Revision)
January 24	Last Day to Revise Schedule - courses dropped will not reflect on transcript - Last day of Late Registration

March 6-10	Spring Break – Students and Faculty
March 20	Last day to return the Mid-Semester evaluations
March 22	Last Day to Drop a Course with “W”. Beyond this date “WP” or “WF”
April 3-14	Mandatory Pre-registration for Summer and Fall 2022
April 6	Last Day to Drop a Course with a “WF” or “WF”
April 19	Last day for graduate students to register for project/thesis defense
April 20-21	Holiday: Eid Al-Fitr (To be confirmed)
April 26	Last Day to Withdraw from the University
May 1	Holiday: Labor Day
May 8	Last Regular Class Day
May 9	Review Day
May 10-17	Final Exams (including Common Exams)
May 21	Final Day for Faculty to Submit Semester Grades

SUMMER SESSION 2023

May 22-31	Summer Intersession Program
June 1-2	Registration
June 5	Classes Begin, First Day of Late Registration First Day to Add/Drop (Schedule Revision)
June 6	Last Day to Revise Schedule - courses dropped will not be reflected on transcript. Last day of Late Registration.
June 17	Commencement (to be confirmed)
June 27	Last Day to Drop a Course with “W”. Beyond this date “WP” or “WF”
June 28-30	Holiday: Eid Al-Adha (To be confirmed)
July 5	Last Day to Drop a Course with a “WP” or “WF”
July 14	Last Day to Withdraw from University
July 18 or 19	Holiday: 1st of Muharram (To be confirmed)
July 20	Last Regular Class Day
July 21	Review Day
July 22-23	Final Exams
July 25	Final Day for Faculty to Submit the Summer Grades

MISSION

Al Akhawayn University in Ifrane is an independent, public, not-for-profit, coeducational, Moroccan university committed to educating future citizen-leaders of Morocco and the world through a globally oriented, English language, liberal arts curriculum based on the American system. The University enhances Morocco and engages the world through leading-edge educational and research programs, including continuing and executive education, upholds the highest academic and ethical standards, and promotes equity and social responsibility.

CORE VALUES AND PRINCIPLES

Al Akhawayn University has developed into an institution that embraces a variety of influences related to Al Maghreb: the historical and cultural pursuits of the Kingdom of Morocco, its Arab-African status in a privileged geo-strategic position, its ties and devotion to Arab-Islamic civilization, and its openness to Europe, America, and Asia.

Our educational mission is one in which we are committed to playing a decisive role in science, technology, and the arts, as well as assisting with the emancipation and prosperity of modern nations. We promote these while maintaining a goal of preserving our assets and consolidating our country's calling as a land of encounter, liberty, and tolerance - a global objective in which our Kingdom takes deep pride.

In 1995, our monarch, King Hassan II, seeking to enrich our educational system through the establishment of a new university, challenged the founders to create an organizational, pedagogical, and scientific structure inspired from the most effective models. AUI, modeled in its administrative, pedagogical, and academic organization on the American university system, is meant to be a forum for creativity and human progress in all fields of knowledge, as well as a venue for cooperation and understanding among peoples and civilizations.

Since its inception, the University has manifested its wish to contribute to the training of highly qualified professionals and executives, people committed to the quest for knowledge and culture and imbued with the values of human solidarity and tolerance.

In addition to a global focus, the University desires that the education imparted grant a special status to the Arabic language and the Arab-Islamic culture at all educational levels and majors. While adopting the English language as the main medium of instruction, we also offer a range of courses in Arabic and French.

Within the framework of the Dahir-bearing law, Al Akhawayn University works to establish cooperative relations with universities and other national and international organizations concerned with education and research. It strives also to enter into cooperative relations with public and private entities from various sectors of the national economy.

Students and Faculty

Admission of students to academic programs at AUI is competitive, allowing for the selection of the best candidates with the greatest potential for success in their studies. The faculty is composed of teachers/researchers who have demonstrated academic and pedagogical prowess.

In order to ensure openness of the University to the world and to promote a healthy, scientific collaboration and understanding among people, a portion of the faculty consists of full- or part-time appointments of international teachers/researchers renowned in their fields. Likewise, AUI welcomes international students who satisfy the regular selection criteria for admission.

Curricula and Training

The curricula leading to our bachelor's degree are based upon a GenEd Program designed to consolidate prior learning, broaden intellectual perspectives, and to serve as a basis for subsequent specialization. This considered and balanced GenEd core, in combination with one or more fields of specialization, aims to equip graduates with the technical competence and the intellectual capacities necessary to face the challenges of our times. In the process, particular care is accorded to the study of Arab-Islamic culture in all fields of specialization. The curricula at the graduate level aim at preparing practicing professionals in specific fields.

An extensive choice of university curricula is offered to students and researchers at the undergraduate and graduate levels. Because of their flexibility and the wide range of specializations, these curricula allow for the diversification of training programs adapted to the evolution of knowledge and socioeconomic conditions. Consistent emphasis is placed on those programs related to areas of strategic importance to the nation. Because of the increasing complexity of the problems of our times, the comprehension and resolution of which often demands a trans-disciplinary scientific approach, the educational environment of AUI is characterized by an interdisciplinary spirit. Special attention is thus paid to interdepartmental teaching and research programs. These enable the student and the researcher to understand, within an authentic model, the interconnected phenomena under study.

In order to foster its distinctive educational goals and to prepare its students to face current and future challenges, AUI has a comprehensive and cohesive system of education, academic advising, personal counseling, and student support services. In particular, AUI

- Provides all necessary student support through qualified academic advisors;
- Emphasizes extensive faculty-student interaction with small classes aimed at developing each student's communication skills, sense of initiative and community, research responsibilities, and personal enterprise;
- Utilizes the latest instructional technology and encourages students to engage in research activities, making use of the University's state-of-the-art library, laboratories, and classrooms;

- Offers its students and researchers a pleasant community in which to live, while providing a full range of cultural, sports, and fitness activities;
- Creates opportunities for excellence through its Honors Program and Leadership Development Institute.

Research

Recognizing that higher education is intimately linked to scientific research, AUI cultivates the complementary relationship between these two activities vital to the national and international goals of the University. AUI has thus established research centers that actively contribute to the production and dissemination of knowledge and of new technologies, while emphasizing scientific research in areas of strategic importance.

These centers, in coordination with other educational units of the University, and in collaboration with other national and international institutions, generally address problems of a multidisciplinary nature. They establish organic links with different sectors of the national economy and, through research contracts, undertake productive applied research. Because of their flexibility and their full integration with the different academic programs, the research centers provide teachers, researchers, and students of diverse backgrounds the opportunity to work together on projects of common interest.

Continuing Education

In order to respond to the rapid evolution of knowledge and technology, as well as to fulfill the active social role that it has assigned to itself, AUI gives high priority to continuing education. The University's aim is to provide different sectors, especially economic and industrial ventures, with the expertise and the fruit of its research activities.

A Pioneering University

Al Akhawayn is a center for creativity and for the optimization of human progress in all fields of knowledge, as well as a forum for cooperation and understanding between people and civilizations. With its expertise and the outcomes of its research activities, Al Akhawayn University assumes a pioneering and exploratory role in the fields that most preoccupy humanity and industrial ventures. Thus, the university organizes ongoing training courses, specialized study sessions, symposia, and conferences.

BOARD OF TRUSTEES

Representatives of the Royal Cabinet and the Private Secretariat of His Majesty the King

Mr. André Azoulay
Advisor to His Majesty the King
Mr. Mohamed Mounir El Majidi
Director of the Private Secretariat of His Majesty the King

Government Representatives

Mr. Abdelouafi Laftit
Minister of Interior
Mr. Nasser Bourita
Minister of Foreign Affairs, African Cooperation, and Moroccan Expatriates
Mrs. Nadia Fettah Alaoui
Minister of Economy and Finance
Mr. Abdellatif Miraoui
Minister of Higher Education, Scientific Research, and Innovation
Mr. Ahmed Toufiq
Minister of Endowments and Islamic Affairs
Mr. Ryad Mezzour
Minister of Industry and Commerce

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Chancellor
Mrs. Amina Benkhadra
Director General of the National Bureau of Petroleum and Mines
Secretary General
Mr. Mohamed Karim Mounir
CEO of Banque Centrale Populaire
President of the Finance and Budget Committee
Mr. Mohamed El Kettani
CEO of Attijariwafa Bank
President of the Development Committee
Mr. Abdellatif Zaghnoun
Managing Director of Caisse de Dépôt et de Gestion (CDG)
Mr. Tariq Sijilmassi
President of the Directorate of Crédit Agricole du Maroc (CAM)
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CEO of Office Chérifien des Phosphates (OCP)
Mr. Abdellatif Guerraoui
CEO of Auto-Hall Group
Mrs. Miriem Bensalah Chaqroun
Administrator of Holmarcom Group

Mr. Chakib Alj
President of the Confédération Générale des Entreprises du Maroc (CGEM)
Mr. Azzedine Guessous
CEO of MaghreBail
Mr. Abdessalam Ahizoune
President of the Directorate of Maroc Telecom
Mr. Lotfi Sekkat
CEO of Crédit Immobilier et Hôtelier (CIH)

Representatives Intuitu Personae

Mr. Mohamed Berrada
Professor and Former Minister of Finance
Mr. Larbi Belarbi
Former Vice-President of Renault Maroc Services

International Representatives

Mr. Abdellatif Al Hamad
General Manager, the Arab Fund for Economic and Social Development, Kuwait
Mr. Larry R. Faulkner
President Emeritus, the University of Texas at Austin, United States

SENIOR ADMINISTRATION

President's Office

Bensaid, Amine,
President
Touhami, Yassir,
Chief Operating Officer

Academic

Taylor, Christopher S.,
Vice President for Academic Affairs (VPAA)
Smith, Kevin,
Associate Vice President for Liberal Arts of the 21st Century
Moustaghfir, Karim,
Assistant Vice President for Faculty Development and Organizational Effectiveness
Baklaci, Hasan Fehmi,
Dean, School of Business Administration
Marzouk, Abdelkrim,
Dean, School of Humanities and Social Sciences
Rachidi, Tajje-Eddine,
Dean, School of Science and Engineering
Khejjou, Ali,
Director, Language Center
Love, Paul,
Director, Mohammed VI Library
Marzouk, Abdelkrim,
Director of Continuing Education and Regional Development
Ouanaim, Latifa,
Director, Enrollment Services
Moujahid, Smail,
Registrar and Assistant Director, Enrollment Services
Messari, Nizar,
Director, Social Science Research Institute
Trevathan, Stephen Davis,
Director, Al Akhawayn School of Ifrane
Cavalli-Sforza, Violetta,
ATLAS Coordinator
Bougamza, Omar,
Coordinator, First-Year Experience Program
Chraibi, Mhammed,
Coordinator, Center for Learning Excellence
Darhmaoui, Hassane,
Coordinator, Center for Learning Technologies
Borkowski, Rossitsa Varadinova,
Coordinator, Honors Program
El Garah, Ouafaa,
Project Manager, Center for Business Ethics

Student Affairs

Fatmi, Abdessamad,
Dean of Student Affairs
Kamane, Adel,
Director, Athletics and Campus Life
Seilstad, Brian,
Director for Internationalization and Partnerships
Moussalit, Ghita Ettahari,
Head of Student Listening Unit
Benzidi, Salem,
Interim Manager, Campus Store
Veyssière Aure,
Counselor
Stubanas, Katy,
Counselor
Guennoun, Adnane,
Physician, Manager, Health Center
Hafid, Hicham,
Manager, Restaurant Services
Chraibi, Mhammed,
Student Activities Office
Nouamani, Hamid,
Housing and Residential Life Manager
El Khaoua, Zakaria,
Imam
Smith, Karen Thomas,
Chaplain to the Christian Community
Idrissi, El Mehdi,
Manager, Azrou Center for Community Development

Finance and Administration

Lahlou, Saad,
Chief Financial Officer
Benseddik, Abdelhak,
Assistant CFO and Director, Business Services
Nouamani, Said,
Director, Procurement and Infrastructure Development
Harroud, Hamid,
Director, Information Technology Services
Jadid, Mohammed,
Director, Grounds and Maintenance
Laghnimi, Rachid,
Director, Security and Safety Department

Other Senior Administrators

Office for Institutional Research and Effectiveness
Belfekih, Moulay Cherif,
Executive Director

Office of Internal Audit
Benabdelkrim El Filali, Mohammed
Director, Internal Audit and Management Control
Department of Development and Communication
Dalil, Hamza,
Chief Marketing Officer
Human Engagement and Growth Office
Zbiri, Houda,
Chief Human Engagement and Growth Officer

ADMISSIONS

Al Akhawayn University encourages all academically qualified senior high school students and bachelor's degree holders to apply for admission. Due to the competitive nature of the admission selection process, only students with outstanding academic backgrounds are admitted.

Candidates for admission are typically notified in May (early decision) and July regarding their admission status for the fall semester, and in December for the spring semester. Acceptance is contingent upon maintenance of the standard of academic performance upon which admission was based. Candidates offered admission are required to respond to offers by paying a non-refundable confirmation deposit before the set deadline. It is mandatory to submit the original high school diploma or equivalent (undergraduate candidates) or original bachelor's degree diploma (graduate candidates) to fulfil the registration requirement.

Candidates for admission who fail to complete the admission process for a valid reason may retain their pre-selection status for the General Admission Test (GAT) or the interview, for up to one semester following the semester of application.

Applications submitted without proof of payment, or incomplete applications, will not be considered. Candidates must complete the online application (available at: www.aui.ma/applynow) and submit all supporting documentation by postal mail to:

Office of Admissions and Outreach
Al Akhawayn University in Ifrane
P.O. Box 104, Hassan II Avenue
Ifrane 53000, Morocco

Telephone: +212-535 86 20 75/76/78/86/ & 3667
Fax +212-535 86 21 77

Application Deadlines

The University offers fall, spring, and summer sessions each academic year. Visiting students may apply to join AUI for the summer session on a space-available basis. All application materials should be submitted to the Office of Admissions and Outreach according to the following deadlines:

Fall Semester:

	Freshman	Transfer	Visiting	Graduate
Moroccan	May 31	April 30	April 30	May 31
International	April 30	April 30	April 30	May 31

Spring Semester:

	Freshman	Transfer	Visiting	Graduate
Moroccan	October 31	October 1	October 1	October 31
International	October 31	October 1	October 1	October 31

Applicants are strongly advised to apply early to ensure timely processing. Please refer to the University website for a detailed calendar.

Undergraduate Admissions

Freshmen

Admission Criteria

- Evaluation of secondary school grades
- Success in the General Admission Test (GAT) or SAT score with a minimum of 920 score for non-native English speakers with at least a 500 in mathematics. For native English speakers, the minimum score is 1000 with at least a 500 in mathematics.
- Satisfactory interview, when applicable

Required Documents

- Application fee of 500 MAD (800 MAD for international applicants)
- A completed freshman online application
- A TOEFL score of 530 and 4.5 in writing (420 for admission to the AUI Language Center) or the equivalent in iBT of 71 and 19 or higher in writing section (36 for admission to the Language Center)
- Certified copy of the last three years of high school grade sheets (grades 10 through 12 for U.S.-type and equivalent high school graduates)
- Certified copy of high school diploma immediately upon being conferred (high school diplomas based on distance education, GED, DAEU, and similar tests are not accepted towards admission)
- Enrollment certificate and official transcript from all institutions attended following the receipt of the high school diploma (applicable to candidates pursuing post-secondary studies)
- One copy of national identity card or passport (passport for non-Moroccan candidates)
- Two recent color passport-size photographs
- A completed application for admission supplement
- A copy of the page of ‘livret de famille’ clearly showing the candidate’s full name in both Arabic and Latin scripts (for Moroccan candidates)
- Applicants who do not have a TOEFL score of 530, or the equivalent in iBT of 71 and 19 or higher in writing, must pay an additional 480 MAD with the application material to take Al Akhawayn’s Institutional TOEFL
- A completed “Pledge of Academic Integrity”

Application Material Submitted to AUI

All application material submitted for admission purposes becomes the property of the University and may not be returned.

Application material of non-enrolled candidates is retained for one term following the term in which the application was submitted. Students wishing to

file an application after the two-semester period will have to submit fresh documents.

Transfer Students

Transfer candidates for admission must have completed at least one year of college-level work and earned the minimum equivalent of 30 semester credits at the time of matriculation to the University. To be considered for admission, transfer candidates must have a minimum grade point average of 2.5 on a 4.00 grading scale and be in good standing with their home institution.

Applicants with fewer than 30 semester credits are considered first- year applicants for the purpose of admission. They must provide secondary school records, applicable test scores, as well as all post- secondary school records. A 2.5 grade point average is required. They should follow the procedure outlined for first-time freshmen.

Admission Criteria for Transfer Students

1. Evaluation of university transcripts
2. Successful interview, where applicable

Required Documents for Transfer Students

- Application fee of 800 MAD
- A completed transfer online application
- Official transcripts of all university-level course work— completed and/ or attempted
- Syllabi of all transferable courses
- Certified copy of high school diploma (high school diplomas based on distance education, GED, DAEU and similar tests are not accepted towards admission)
- One copy of national identity card or passport (passport for non-Moroccan candidates)
- Two recent color passport-size photographs
- A completed transfer supplement form
- One typed essay written by the applicant him/herself that explains the reasons for seeking transfer to Al Akhawayn University
- A copy of the page of 'livret de famille' clearly showing the candidate's full name in both Arabic and Latin scripts (for Moroccan candidates)
- A completed "Pledge of Academic Integrity"

AUI will evaluate credits only from recognized, accredited academic institutions. Applicants must submit records of all institutions previously attended, even if they do not wish to transfer credits to AUI. Only credits earned in courses judged to satisfy AUI program requirements are considered for transfer. Basic skills and remedial courses and those of a primarily technical nature are not transferable to AUI. Courses in which the student received a grade of 'D+' or below are not considered for credit transfer.

A student who is not eligible to return immediately to his/her former institution

is not eligible to enroll at AUI. A student who was dismissed for disciplinary or academic reasons from AUI or from another institution may not be admitted.

While a student may transfer with sophomore or higher standing, this will not always ensure that the student is eligible to enroll in upper-level courses during the first semester at the University. For example, all the General Education (GenEd) courses must be completed in addition to all other major/minor courses.

All transcripts submitted with the transfer application must be issued by the originating institution within the previous twelve months. Transcripts must bear the original or facsimile signature of the registrar and the seal of the issuing institution. Transcripts that appear in their original form in languages other than English, Arabic, or French must be accompanied by a certified English translation.

Transferable courses included on the Transfer Credit Evaluation form are subject to review and possible exclusion should the candidate change his or her major at any time during studies at AUI. Courses completed at the secondary school (pre-university) level are not transferable to AUI. Undergraduate level courses are not transferable as graduate-level courses. Transferring students who have successfully earned more than 60 credits in other institutions using the American system of higher education may be exempted from FAS courses. Students with fewer than 60 credits of successful post-secondary study may be considered for exemption from FAS courses, provided they produce evidence of written work and transcripts. Each course will be considered on its individual merit.

Credit Type

Al Akhawayn University is a semester credit institution. Students who have completed one or more years of university studies at institutions using a system other than a semester or quarter system may find that their university studies will be prolonged if they transfer to AUI. Transferable credits earned at non-semester credit institutions are converted to semester credits during the evaluation procedure. For example, a five-credit course earned at a quarter credit institution transfers to AUI as three semester credits, or a three credit course transfers to AUI as two semester credits.

In Progress (IP) Courses at the Sending Institution

Courses that are incomplete at the time of issuance of the official transcript by the sending institution are designated on the Transfer of Credit Evaluation form as IP (in progress). IP courses that appear on the evaluation are transferable to AUI, provided the minimum satisfactory grade of C for undergraduate programs or B for graduate programs is subsequently earned by the admission candidate and AUI receives an official record of the final grade in the course.

Minimum Grades for Transferable Courses

Undergraduate courses that are transferable to AUI must be completed with grades A, B, C (plusses and minuses inclusive), or Pass. Graduate courses that are transferable to AUI must be completed with the grade of A or B (plusses and minuses inclusive). However, other grades may only be transferred if they meet the university grading system criteria. AUI evaluates

grades based on the mapping done for each institution. The transfer table is available in the Office of Enrollment. Courses with the grades of Incomplete (I), In Progress (IP), and Withdrawn (W) at the time of the credit evaluation are not transferable.

Transfer Credit Maximums

For undergraduate programs, a maximum of 68 semester credits are transferable to AUI, of which no more than twelve can be at the junior or senior level.

Applicants for the programs in the School of Science and Engineering who have attended "*classes préparatoires*" may request credit for courses as transfer students. Each application will be considered individually. Appropriate initial courses at AUI may be based on placement examinations, portfolio analyses, interviews, and/or other assessments.

Visiting (non-degree seeking) Students

Students in good standing at another college or university may study at AUI with visiting, non-degree seeking status during the summer or semester. Visiting applicants wishing to convert to regular, degree-seeking status after one or more semesters at AUI will be required to complete all the General Education requirements pertaining to their academic programs. Former AUI students do not automatically qualify for visiting or non-degree status.

Visiting applicants are strongly advised to provide a list of courses for which they intend to enroll, bearing the signature of the Registrar of their home institution. Undergraduate visiting students must enroll for a minimum of 9 credits and a maximum of 15 credits in the fall and spring. In the summer session, they must enroll for a total of 6 to 7 credits and no more than 2 courses.

Admission Criteria for Visiting Students

- Evaluation of University transcripts
- Successful interview, when applicable

Required Documents for Visiting Students

- Application fee of 800 MAD
- Completed transient online application
- Certified copy of high school diploma (high school diplomas based on distance education, GED and similar tests are not accepted towards admission)
- Official transcripts of all university level course work — completed and/or attempted
- One copy of national identity card or passport (passport for non-Moroccan candidates)
- One typed essay written by the applicant that explains the reasons for seeking admission as a visiting student.
- A completed "Transient Supplement Form" (Registrar's Authorization)

- A completed “Pledge of Academic Integrity”

International Applicants

AUI welcomes applications from international candidates from other countries who have completed secondary school and possibly university-level course work in their own country or in Morocco. For admission purposes, an international student is defined as “a student who is not a Moroccan citizen regardless of his/her place of residence, or a Moroccan citizen who is a permanent resident abroad where s/he has studied for at least the last two years of high school.” International applicants should arrange to have test scores and academic records received by the Office of Admissions and Outreach before the set deadline. Verification of credentials may also be required. Placement tests in Arabic, French, and English writing will be administered to undergraduate applicants where applicable.

It is strongly advised for international students to have medical hospitalization and repatriation insurance for themselves and their dependents. International students will also have to enroll in AUI’s student health insurance.

Admissions Tests

General Admission Test (GAT) and Placement Tests

Eligible undergraduate candidates will be invited to take a General Admission Test. A placement test in Arabic, French, and English writing will also be administered when applicable.

Apart from a writing component, the test format is multiple-choice—in which the candidate has to choose the best answer among five options provided. The test is administered in French or Arabic with selected sections available in both languages.

The General Admission Test measures a variety of skills acquired by candidates throughout their schooling. The test components are not necessarily linked to any specific field previously studied by candidates. It is composed of five multiple-choice sections and a writing section: 1) General Knowledge; 2) Sentence Completion; 3) Numerical Skills; 4) Spatial Skills; 5) Critical Reading; and 6) Writing Section.

Graduate level candidates do not take the GAT.

Interview

Selected candidates may be invited for an interview with the Admissions Committee. The Committee includes academic officers and faculty members. The interview focuses on interpersonal skills, motivation, fluency of expression, and general potential. The interview may be conducted primarily in Arabic, French, or English, as preferred by the applicant.

Standardized Tests

Test of English as a Foreign Language (TOEFL)

All applicants for part-time graduate programs are required to have a minimum TOEFL score of 480 (equivalent to 54 in iBT) in order to be admitted to the AUI Language Program for additional English-language study.

Undergraduate applicants are required to provide a TOEFL score of 530 (iBT: 71) in addition to a minimum score of 4.5 (iBT: 19) in English Writing in order to be admitted to the regular programs, or a TOEFL score of 420 (iBT: 36) to be admitted to the AUI Language Center. Please refer to the Language Center section for more information.

International TOEFL (IBT)

To learn more about the International TOEFL and register for a test, students may access the TOEFL website at www.toefl.org. Applicants who intend to take the International TOEFL should arrange ahead of time and take into account AUI application deadlines. International TOEFL score reports should typically be received at the Office of Admissions before June 30 for the fall semester and November 30 for the spring semester. International TOEFL score reports usually take four to five weeks to arrive. TOEFL results must be sent directly from the testing agency to the University. (The AUI TOEFL institutional code number is 0125).

International English Language Testing System (IELTS)

Al Akhawayn University accepts a valid IETLS as an international English Language Testing System. This score can replace the TOEFL to measure candidates' proficiency of the English language.

IELTS Overall Band Score	Equivalent TOEFL Total Score	Equivalent TOEFL IBT Score	LC Status
0-4.5	0-417	0-35	Below Score
5.0-5.5	420-527	36-70	Language Center
+6.0	+530	+71	Regular Program

Candidates with IELTS scores who do not have 5.5 in the writing section are required to take a writing placement test in English (WPT) to measure their writing skills.

AUI Institutional TOEFL

Applicants who are unable to take the International TOEFL should arrange to take the AUI Institutional TOEFL. In addition to the TOEFL examinations administered in Morocco and throughout the world, AUI administers an institutional TOEFL prior to the beginning of the fall and spring semesters. The TOEFL is administered only to students who have applied for admission to Al Akhawayn University. These scores are valid only for admission to AUI. They may not be valid for other purposes. In case of multiple valid TOEFL scores, the Office of Admissions will consider the highest score.

Scholastic Aptitude Test (SAT)/American Collegiate Test (ACT)

The SAT, or the ACT, is required of all freshmen applicants who have completed their secondary studies in the United States or at an English-medium high school. These scores are not necessarily required from other candidates. However, the SAT or the ACT may be used instead of the GAT by all freshmen applicants. Test scores must be mailed directly from the testing agency to AUI, or a certified copy of the original report must be enclosed with the admission application. When both SAT and ACT results are submitted, the

University will consider the higher of the two composite scores. When multiple SAT scores are submitted, the highest composite score will be considered.

The minimum SAT score is 1000 pts in the new SAT version (or 1500 pts in the old SAT version) with 500 pts or better in the quantitative section. An 80-point allowance for the new SAT version (160-point allowance for the old SAT version) is made in the total score for non-native speakers of English (920 pts instead of 1000 pts for the new SAT version and 1340 pts instead of 1500 pts for the old SAT version).

The minimum score for ACT is 25. Scores must not be more than five (5) years old at the time of application.

Note: The SAT and ACT are not administered at Al Akhawayn University.

*The University code for SAT mailing i*s 6596.

Graduate Admissions

General Requirements

Graduates with a bachelor's degree (or the equivalent, i.e., license) from a recognized college or university may apply for admission to a graduate study program at AUI. Admission is very competitive. Candidates for admission must provide evidence of superior academic performance. Each school has a graduate admissions committee to evaluate applications for acceptance into graduate programs. Each committee is chaired by its Dean and is composed of faculty members from the school.

Students who meet all academic conditions are accepted to a degree program with regular status. Those whose background does not include the specific requirements for a given graduate program may need to take undergraduate foundation courses prior to accessing regular graduate courses. There are three basic requirements for acceptance to a graduate program:

- Bachelor's degree or equivalent (such as a license) from an accredited university or institution of higher education,
- A strong academic GPA in course work leading to the Bachelor's degree ("Licence"), or, if graduating from a system using the US higher education model, a B average or better in upper level (junior and senior level) work and in any graduate work already completed, or other evidence of ability to succeed in graduate study,
- Adequate preparation for the proposed graduate program. Selected candidates may be invited for an interview with the admissions committee.

All applicants for a regular master's degree in the SHSS, SSE, and SBA

are expected to demonstrate proficiency in the English language. For placement purposes, students for whom English is not their mother tongue must achieve a TOEFL score of 550 pts (iBT:79) and obtain a 5.0 score over 6.0 in writing (iBT: 20) in order to be admitted to the regular programs.

In order to be admitted to the AUI Language Center for additional study of English before enrolling in regular degree programs, students must have achieved TOEFL scores of at least:

- 450 pts (iBT 45) for SBA and SSE

- 500 pts (iBT 61) for SHSS

All applicants for an Executive MBA are required to have achieved a TOEFL score of 530 (iBT: 71). All applicants for a Part-Time MBA are required to have a TOEFL score of 480 (iBT: 54) in order to be admitted to the AUI Language Center for additional English-language study.

Required Documents

Each of the University's graduate degree programs has specific admission requirements. These requirements are included in the program descriptions elsewhere in this catalog. The following steps are required for all graduate degree applications:

First, complete the graduate online application.

Second, the following documents must be submitted to AUI:

a. Official/certified transcript(s) of all university-level coursework attempted and/or completed
b. Certified copy of the bachelor's degree (or equivalent, such as a "licence") for all applicants who attended Moroccan universities
c. Two letters of recommendation including at least one from a university-level instructor, using (whenever possible) the standard recommendation form available on the AUI website
d. Test of English as a Foreign Language (TOEFL) (paper-based or iBT) for non-native speakers of English (Institution code number: 0125) (scores should be sent directly to AUI by the Testing Center)
e. Detailed résumé (i.e., curriculum vitae or CV)
f. Two recent color passport-size photographs
g. One typed essay written by the applicant, which explains the reasons for seeking admission to the graduate program and that describes the applicant's background and knowledge of the field
h. Copy of the candidate page of 'livret de famille' showing the candidate's full name in both Arabic and Latin scripts (For Moroccan candidates)
i. Certified copy of the high school diploma (high school diplomas based on distance education, GED, DAEU, and similar tests are not accepted towards admission)
j. One copy of the National Identity Card for Moroccans and one copy of passport cover pages (or driver's license or other basic form of identification) for non-Moroccan applicants.
k. Copy of the application fee payment receipt (800 DH for internationals)
l. Complete the "Pledge of Academic Integrity"
m. Certificate of Completion if the bachelor's degree is not yet obtained

These documents should be sent to:

Admissions and Outreach Office
Al Akhawayn University in Ifrane
P.O. Box 104, Hassan II Avenue
Ifrane 53000, Morocco

Finally, the following may be helpful in the evaluation of the applicants' files but are not required:

- Graduate Record Examination (GRE) for SHSS and SSE candidates or Graduate Management Admission Test (GMAT) for SBA degree candidates (though not required, GRE and GMAT exams are encouraged and those with high scores are likely to be given priority).
- Work experience is highly recommended for full-time MBA candidates and is required for Executive MBA and part-time MBA applicants. The application should include a detailed description of all professional experience.
- AUI recommends that all students wishing to undertake graduate study upon completion of the bachelor's degree should have a minimum cumulative GPA of 3.00.

Application Material Submitted to AUI

All application material submitted for admission purposes becomes the property of the University and may not be returned. Application material of non-enrolled candidates is retained for one term following the term in which the application was submitted. Students wishing to file an application after the two-semester period will have to submit new documents.

Graduate Application

Applicants must complete all questions on the online form. This certifies that all information is complete and correct to the best of their knowledge. In the event that the information included with the application changes significantly, applicants should notify AUI's Office of Admissions immediately.

Official Transcripts for Graduate Admission

Candidates for admission must submit official transcripts (or grade certificates or mark sheets) of all completed university-level coursework. Evidence of coursework attempted and/or completed must also be provided whether or not the applicant is seeking transfer of credit.

Certified translations are required when the transcripts appear in languages other than English, French, or Arabic. Original transcripts must be submitted from the home institution at which the courses were taken even though they appear on another institution's transcript.

Transcripts must have been produced by the originating institution within the last twelve months. Transcripts must bear the signature of the registrar and the seal or official stamp of the issuing institution.

Instructor Recommendations for Graduate Admission

Recommendations should be requested from two instructors who have taught the candidate at the university level. If the candidate has worked after graduating from the university, one of the recommendation letters may be from an employer. All written recommendations are confidential. Recommendation documents should be submitted in sealed envelopes. Documents sent in unsealed envelopes will not be considered. Recommendation letters should include the standard recommendation form available on the AUI website. The

completed forms must be mailed directly to:

Admissions and Outreach Office
Al Akhawayn University in Ifrane
P.O. Box 104, Hassan II Avenue
Ifrane 53000, Morocco

Application Fee

Moroccan applicants must pay an admission application and processing fee of 500 MAD. International applicants must pay 800 MAD. This payment must be made online. PLEASE DO NOT SEND CASH IN AN ENVELOPE. The application fee is not refundable and may not be transferred from one semester to another.

Transfer Graduate Students

To be considered for admission, graduate transfer students must have a minimum grade point average of 3.00 on a 4.00 grading scale and be in good standing with their home institution. A maximum of 12 semester credits are transferable toward the degree requirements of an AUI graduate program. Courses in which the student has achieved a grade of C or lower will not be considered for credit transfer.

Visiting Graduate Students

Students in good standing at another college or university may be considered for regular admission with visiting status during the summer, fall, or spring semesters. Former AUI students do not automatically qualify for visiting or non-degree status. Visiting graduate students must enroll for a minimum of 9 credits and a maximum of 12 credits (plus corresponding lab sessions, if applicable) in the fall and spring. In the summer session, they must enroll for a total of 6 credits.

Standardized Tests

Test of English as a Foreign Language (TOEFL)

Graduate applicants are required to achieve a TOEFL score of 550 pts (iBT: 79) with a score of 5.0 (iBT 20) in English Writing in order to be admitted to the regular programs, or a TOEFL score of 450 pts (iBT: 45) in order to be admitted to the AUI Language Center for further preparation before starting the graduate program.

Applicants for masters' degrees in SHSS with a score between 500 pts and 547 pts (iBT: 61 and 77) may enroll in the AUI Language Center either on a full-time or a part-time basis.

International TOEFL (IBT)

To learn more about the International TOEFL and to register for a test, applicants may access the TOEFL website at www.toefl.org. Applicants who intend to take the International TOEFL should arrange ahead of time and take into account AUI application deadlines. International TOEFL score reports should be received at the Office of Admissions before June 30 for the fall semester and before November 30 for the spring semester. International TOEFL score reports usually take four to five weeks to arrive. TOEFL results

must be sent directly from the testing agency to the University. (AUI TOEFL institutional code number: 0125).

AUI Institutional TOEFL

Applicants who are unable to take the International TOEFL should arrange to take the AUI Institutional TOEFL. In addition to the TOEFL examinations administered in Morocco and throughout the world, AUI administers an institutional TOEFL prior to the beginning of the fall and/or spring semesters. The TOEFL is administered only to students who have applied for admission to Al Akhawayn University. These scores are valid only for admission to AUI and may not be valid for other purposes. In case of multiple valid TOEFL scores, the office of Admissions will consider the highest score.

International English Language Testing System (IELTS)

Al Akhawayn University accepts a valid IETLS as an international English Language Testing System. It can replace the TOEFL to measure candidates' proficiency in the English language.

IELTS Overall Band Score	Equivalent TOEFL Total Score	Equivalent TOEFL IBT Score	LC Status
0-5.5	0-447	0-77	Below Score
5.5-6.0	450-547	45-78	Language Center
+6.5	+550	+79	Regular Program

Candidates with IELTS scores who do not have 6.5 in the writing section are required to take a writing placement test in English (WPT) to measure their writing skills.

Graduate Management Admissions Test (GMAT)

The GMAT is an aptitude test designed to measure certain mental capabilities important in the study of management at the graduate level. It is recommended that all students seeking acceptance into the MBA program complete the GMAT. The GMAT is taken at the applicant's expense. GMAT scores over five years old are not accepted by the University. For additional information about the GMAT and an application form, write to the Educational Testing Service, PO Box 6000, Princeton, New Jersey, 80541-6000, USA.

Graduate Record Examination (GRE) General Aptitude Test

GRE is designed to test preparation and aptitude for graduate study. Students seeking acceptance to the graduate programs in Computer Science are encouraged to submit GRE scores and official results of the computer science subject test. The GRE is taken at the applicant's own expense. GRE scores over five years old are not accepted by the University. For additional information about the GRE and an application form, applicants may write the Educational Testing Service, PO Box 6000, Princeton, New Jersey, 80541-6000, USA, or visit the webpage, www.etc.org/gre.

Deferred Enrollment / Enrollment Postponement

Admitted candidates who are unable to attend AUI during the academic term for which they were admitted, but nevertheless want to attend the following semester, must submit a written request to postpone enrollment to the Office of Admissions. The University may grant or refuse the deferred enrollment request. In case it is granted, candidates must meet the following requirements:

- Produce a minimum TOEFL score of 530 for undergraduate (420 pts for admission to the Language Center) and 550 pts for graduate (450 pts for admission to the Language Center, except for Humanities, which requires 500 pts)
- Pay a non-refundable deposit before the application deadline of the following semester (see Application Deadlines). The non-refundable deposit is credited toward applicable tuition and fee charges for the next semester.

Students failing to meet these requirements within the prescribed deadlines will forfeit their right to attend AUI. Deferred enrollment may be granted for one semester, after which the candidate must re-apply for admission.

Readmission to the University

Former students at the University who wish to return after a one academic year absence and who did not inform the University of their plans for a semester off or apply for Planned Educational Leave must apply for readmission. They must complete the Readmission Application, submit a non-refundable application fee of 800 MAD, and provide official transcripts of all studies attempted and/or completed since last attending AUI. Transcripts must be provided to confirm that the student has been in good standing regardless of whether studies were completed or transfer credit was desired.

Students who have attended other institutions of higher education must be in good standing with these institutions to be considered for readmission. Students currently on academic probation or suspension at another institution will not be readmitted to AUI. Students who have withdrawn from the University reenter AUI based on the requirements, policies, and procedures of the University catalog in force at the time of reentry. Candidates for readmission do not need to complete a new online application, but do need the following required documents:

- Readmission form
- Readmission fee of 800 MAD
- Short essay explaining activities since last enrollment at AUI
- Official transcript(s) if studies were pursued or work certificate(s), if applicable.

Tuition, Fees, Deposits and Refunds

Applicable as of Fall 2019. Fees are reviewed each Academic Year and are subject to change.

Fees and Expenses

All tuition and fees are due and payable before the beginning of each term. Special arrangements for payments in two instalments may be made upon request. The cost for establishing a Deferred Payment Agreement is 250 MAD if a student qualifies for AUI-sponsored Financial Aid, or 500 MAD otherwise.

Late or Failed Payments

Failure to make the full payment of a debit balance by the due date (after the add/drop period) will automatically fall under the "Deferred Payment Agreement" category and will result in a late payment fee equal to 2% of the remaining amount due for each late business week (Monday through Friday). For example, a payment that is 15 to 21 days late will result in a late payment fee equal to 6% of the required amount, with a maximum of 3000 MAD per instalment.

Failure to make the second payment on time, including the payment of any late fees, will result in the student being administratively withdrawn from the University. The University will take all legal action against the responsible party to collect unpaid amounts in accordance with the Deferred Payment Agreement. In addition, if instalment dates are not respected, the student will not be allowed to pay in instalments in the future, and a financial hold will be applied, blocking preregistration for the following semester. Furthermore, no document will be provided, be it a certificate, an attestation, a transcript, or any other document.

The student is the sole party responsible vis-à-vis the University with regard to payment matters. Payments can be made by wire transfers, cash deposit in banks, online credit card payments, or certified bank checks. They are subject to change each academic year at the discretion of the Board of Trustees.

Registration Fees: 5,100 MAD

All registered students must pay registration fees regardless of status. Students who defend their theses, capstones, or internships before the end of a semester receive a prorated reimbursement of their registration fees. Registration fees cover fixed costs, such as student health services, student activities, athletics, swimming pool access, restaurant access, and IT services.

Tuition

Semester tuition is calculated on the basis of total credits taken, except for students enrolled in the Language Center, who are charged a flat amount.

Undergraduate Tuition[1]	*Fall 2021*
Moroccan students	2100 MAD per credit
International students[3]	3200 MAD per credit

Internship for Moroccan students[5]	1350 MAD per credit
Internship for International students[5]	1900 MAD per credit

Graduate Tuition[2]	
Moroccan students	2650 MAD per credit
International students[3]	4000 MAD per credit
Internship for Moroccan students[5]	1900 MAD per credit
Internship for International students[5]	2650 MAD per credit

Language Center Tuition (Flat fee per semester)	
Visiting students[4]	48000 MAD per semester
Moroccan students	31450 MAD per semester

Undergraduate Tuition[1]	*Fall 2022*
Moroccan students	2205 MAD per credit
International students[3]	3360 MAD per credit
Internship for Moroccan students[5]	1400 MAD per credit
Internship for International students[5]	1995 MAD per credit

Graduate Tuition[2]	
Moroccan students	2780 MAD per credit
International students[3]	4200 MAD per credit
Internship for Moroccan students[5]	1995 MAD per credit
Internship for International students[5]	2800 MAD per credit
Language Center Tuition (Flat fee per semester)	
Visiting students[4]	50400 MAD per semester
Moroccan students	33075 MAD per semester

[1]Undergraduate students allowed to register for graduate courses to satisfy undergraduate degree requirements are charged undergraduate tuition. Undergraduate students wishing to register for extra graduate courses are charged graduate tuition for each graduate course.

[2]Graduate students enrolled in Foundation Courses are charged graduate tuition for these courses.

[3]International applicants qualify for Moroccan tuition if 1) one parent is Moroccan, or 2) both parents are non-Moroccan but have lived in Morocco and paid income tax (IR) here for more than five years.

[4]Except for Language Centre tuition and testing charges, visiting students pay the same fees as AUI students.

[5]Students doing an internship as the last degree requirement and who will graduate immediately following the internship should register and pay the common fees. Students doing an internship who will not graduate immediately following the internship should not register or pay common fees. Instead, the internship will be charged and registered to the subsequent semester (fall).

[6]Alumni Tuition Discount: Reflective of the value AUI places on its graduates and alumni, as well as the importance AUI gives to lifelong learning, starting August 2016, the University will offer a 25% tuition discount on all part-time graduate degrees to its alumni (who have completed an undergraduate degree at AUI).

Combined Programs Tuition (BS/MS)

Students enrolled in combined programs pay undergraduate tuition for undergraduate courses, and graduate tuition for graduate courses.

Summer Session Fees

Undergraduate and graduate students enrolled in summer session courses pay tuition according to registered credit hours. Other fees are fifty percent (50%) of the regular charges for a full semester.

Students enrolled in the Language Center during the summer session pay the equivalent of three credits for each LC course. Students enrolled in FAS courses during the summer pay the equivalent of two credits for each FAS course.

Student Identification Cards (Cash Wallet)

Student Identification Cards (ID) are provided to enrolled students by the Business Office following the payment of all tuition. Replacement cards are available from the Business Office for a fee of 100 MAD. Students are responsible for providing their own photographs. In the case of a lost ID card (cash wallet), the student must notify the Business Office immediately in order to block the old card and issue a new one. Students are advised not to bring their cash wallet cards into close contact with a computer, laptop, TV set, printer, heater, or water.

“Cash Wallet” refers to money applied to a student’s account and available for use on campus only (copy center services, copy machines, restaurant, and the AUI store). Students make deposits to their cash wallet on an as-needed basis. At the end of the semester, the balance related to the cash wallet is shown in the account of the following semester. The final refund of the balance can only be done at the end of schooling after the graduation ceremony, at the conclusion of the final clearance procedures.

The management of personal money for off-campus needs is the responsibility of the students themselves. The post office on campus offers students the possibility of opening savings accounts that provide them with flexibility in managing their money.

Any additional money can be loaded either through:

- https://my.aui.ma/ICS/Students/My_Cash_Wallet_Transactions.jnz (online transaction)
- Cash or credit card at the cash desk (Business Office)

Health Insurance

Health insurance is mandatory for full-time students. Details concerning the University’s contracted insurance company and the coverage offered are available at the Student Health Center.

Student health insurance premiums amount to 1,320 MAD for a full year’s coverage, beginning in January and ending in December. This amount is payable in three installments and at the beginning of each semester or session:

1. Spring semester: 550.00dh

2. Summer session: 220.00dh
3. Fall semester: 550.00dh

The insurance company representatives are available on campus during the registration period.

Housing Fees

Double occupancy A6/44	5,100 MAD per semester
Double occupancy-Standard	5,880 MAD per semester
Double occupancy-Large A4	5,500 MAD per semester
Double occupancy-Large A6	5,250 MAD per semester
Single occupancy (when available)	12,800 MAD per semester
Single occupancy A4 (when available)	11,600 MAD per semester
Triple occupancy (when available)	3,570 MAD per semester
Studio single (when available)	19,750 MAD per semester
Studio double (when available)	10,500 MAD per semester
Studio Triple (when available)	7,560 MAD per semester
DT Studio double	7,000 MAD per semester
DT Studio single	14,000 MAD per semester

Room rates for students living in residence halls are given below. The room fees are due each semester. Rates include all utilities. Studios and single rooms are available on a very limited basis under special conditions. Summer session housing fees are half that of a full semester.

Other Fees

Estimated books charges (Fall/Spring)[1]	3,000 MAD
Estimated books charges (Summer)	1,500 MAD
Print Fee	100 MAD
Test-out fee for courses	1000 MAD
Fee to place test-out results on transcripts	500 MAD
Graduation (in last semester)	1550 MAD
Preregistration deposit (Fall/Spring)	2000 MAD
Preregistration deposit (Summer)	1000 MAD
Late registration for newly admitted students	1,500 MAD + late fees
Late registration for continuing students	1,500 MAD + late fees
Late deposit of appeal submission (students on probation)	1,500 MAD
Late registration to meet CIP requirement	1900 MAD
AUI Deposit for newly admitted students	3,000 MAD
Testing charges for newly admitted students	1,000 MAD

AUI ID Card	200 MAD
Orientation fee for newly admitted students "First Year Experience"	2,500 MAD
Orientation fee for newly admitted graduated students	160 MAD
Residency Services fee for exchange students	160 MAD
Double Room Deposit fee for exchange students	1,000 MAD
Unpaid Payment Penalty	1,000 MAD+ Late fees
Cash wallet for newly admitted students	8,500 MAD

[1]The deposit is deducted from the student's account in cases when the student preregisters but does not complete the registration for that semester or session.

NOTE: Additional fees may be charged for some outdoor activities, physical education activities, required field trips and for special tests.

Required Deposits

Newly admitted students pay a non-refundable deposit of 5,000 MAD online before the published deadline. They also must attend a mandatory preregistration program wherein original documents are submitted (high school diploma for bachelor's degree and bachelor's diploma or equivalent for master's degree), with an additional payment of 28,600 MAD of which a further 5,000 MAD is non-refundable. The confirmation deposit is non-refundable unless the University denies the student's enrollment for reasons such as insufficient TOEFL results. Deferred enrollment can be granted for one semester, after which the candidate must re-apply for admission.

All new students pay a sum of 3,000 MAD at the beginning of their first semester as deposit for any possible damage caused during their stay at AUI. This amount is refundable once they graduate or withdraw from the university.

Refunds

Students defending their thesis or capstones during the semester are allowed reimbursement of common fees on a prorated basis up to the day of their defense.

A student who withdraws from the University in accordance with official procedures is eligible for a refund of tuition fees after submitting an authenticated request showing his/her bank account information.

The final refund of the balance can only be done at the end of schooling after the graduation ceremony, at the conclusion of the final clearance procedures.

Tuition refunds are calculated according to the following schedule:

Refund Table for Fall/Spring Semester

Prior to the first day of classes - for new students Prior to the first day of classes - for continuing students	Deduction of non-refundable 10000dhs following preregistration 100%
During the first five class days	80%
After the fifth day of class	70%
After the tenth day of class	50%
After the fifteenth day of class	25%
After the twentieth day of class	None
Refund Table for Summer Session: Prior to the first day of classes	100%
During the first five class days	75%
After the fifth day of class	50%
After the tenth day of class	None

Refunds for Room

Refunds will be prorated based on the time remaining.

Refunds for Fees and Books

No refund is made for these charges unless, in the case of books, it can be demonstrated that the University incurred no expense.

Part-time Job/Student Employment

No payment is made for any work or jobs done by students as part of their financial aid. The amount is instead credited to the student's account with the university to defray fees and tuition costs.

Student employment wages for tutoring or other jobs not covered by financial aid are paid by wire transfer directly to the student or parent's bank account, provided that the student is financially cleared.

Medical Reimbursement

Medical reimbursements are processed through wire transfers or credited to the student account (statements of charges) and no cash requests are authorized afterwards.

Financial Aid Procedures

Al Akhawayn University expects students and their parents to assume primary responsibility for financing university tuition and other fees. However, the University makes every effort to ensure that all candidates offered admission have the necessary financial resources to pursue their studies. Students with demonstrated financial need making satisfactory academic progress who submit all required documents by the set deadlines may be eligible for University assistance, provided funds are available.

The application for financial aid should be sent to the Financial Aid Office following the submission of the application for admission. Financial aid is available to both new and continuing AUI students. Financial aid, whether in the form of bank loans, grants, or work-study, is awarded to Moroccan candidates with demonstrated financial need and/or outstanding academic performance.

Awards are made for the fall and spring semesters. Financial aid is not available to students for the summer session.

Required Documents for Financial Aid

Students seeking financial aid are required to complete the Financial Aid Application and provide the following supporting documentation (originals or certified copies):

- Completed and duly certified financial aid application
- Parents' recent detailed pay slips showing both gross and net pay with all deductions made
- Parents' occupation attestation(s) certified by the employer or a certificate of unemployment certified by the relevant authorities
- Income attestation for financially independent or married applicants
- Retirement income attestation(s) and certificate(s) of unemployment for retired parent(s), and attestation(s) showing former occupation
- IGR: Attestation(s) of parent(s)' taxable revenues, delivered by the Tax Office. This document is highly required, even for parents with no occupation.
- Trade Register and Patent Statement for company owners and/or managers
- For the self-employed, a certified handwritten document declaring the estimated monthly income earned by the parents
- For farmers, an attestation of ownership of farming land delivered by the local authorities (The Caid)
- Parents' bank statements for the last 12 months and an authenticated affidavit testifying to the non-existence of any other bank accounts
- An authenticated affidavit testifying to the non-existence of any bank accounts for parents who do not have a bank account
- Acquisition contract if home is owned, or rent receipt if rented, with parents' attestations of non-ownership
- Parent(s) attestation(s) of ownership delivered by the Land Registry only for parents who are interested in contracting a student loan
- Official certificate showing the student's legal guardian, in case of divorce or death of either parent
- Certified copy of the degree(s) obtained: Baccalaureate and / or Bachelor's Degree
- Secondary school records of the last three years for undergraduate applicants
- Post-Bac academic records for graduate applicants

- Copy of the applicant's National Identity Card
- Copy of the parents' National Identity Cards
- One passport-size color photograph of the applicant (to be attached on the first page)
- Family collective Entry of Birth Certificate
- Parents and applicant's certified signatures on the financial aid application file
- Personal essay

All the requested financial information provided by the candidate and his or her family must be disclosed to the University Financial Aid Office. The candidate should include any relevant details that will enable the AUI Financial Aid Committee to have a clear idea about his/her parent(s)' assets and monthly or annual income. By submitting these documents well in advance of the deadline, the candidates allow time for any corrections or unforeseen problems that might delay the receipt of their financial aid.

Application Deadlines

The deadline for submitting financial aid applications is *May 31 for students enrolling in the fall semester and October 31 for students enrolling in the spring semester*. Applications submitted after the appropriate deadline will not be considered. The same deadlines apply to continuing students.

Types of Financial Aid Offered at AUI

Depending on the student's demonstrated financial need, the University proposes a combination of up to three forms of financial aid: AUI Need-Based Grants, AUI-Approved Bank Loans, and Campus Employment.

1. AUI Need-Based Grants

University assistance is granted on a very limited basis. Students do not have to repay grants. Grants are awarded in the form of a fixed amount that goes exclusively towards tuition to prospective students with demonstrated financial need and commendable academic records. The amount granted to students should not exceed the amount paid for tuition.

Grants *come in the form of funds* (endowments) held by the University or donations (private, semi-private, or state donations). Donation providers are mainly local communities, companies, banks, board members, ministries, social charity organizations, international or Moroccan charities, and socio-cultural associations. Contributions from individual benefactors are included in this group. Special nominal scholarships are also available. Such information may be obtained from the Financial Aid Office.

2. AUI-Approved Bank Loans "Avenir Plus" or State Guaranteed Loan with CCG (Caise Centrale de Garantie)

Al Akhawayn University has convened agreements with a national bank for a loan program that will serve the interests of students and at the same time enable them to contribute substantially toward the financing of their own studies.

Student loans are offered for the purpose of meeting the costs of studies at Al Akhawayn University. They are available to all interested students for any semester. The bank bases the final decision on adequate supporting documentation.

Loan Terms and Amounts

Undergraduate Students

The loan program will provide qualified students with long-term loans payable over an extended period with 0% annual interest rates, as the interest is supported by AUI. Students may borrow up to 50,000 MAD per year. Repayment begins 12 months following the date of the last amount released by the bank to the order of AUI or after withdrawal from the University.

For students studying for the bachelor's degree, the amount of the student loans can total as much as 250,000 MAD released in equal instalments over up to 5 years. The loan term is 12 years maximum, consisting of two successive periods:

1. The release phase of 5 years, corresponding to the duration of studies, plus the 12-month (1 year) deferment period.
2. The repayment phase of 6 years.

The interests from year 1 to year 5 are supported by AUI in accordance with the agreement signed between the Bank and the University since fall 2020. Beyond the end of the 5th year, the students can opt for a deferred additional one year (at an exceptional annual interest rate of 5.20%) to support the first year of job search i.e., the student could choose not to pay anything until the end of the 6th year.

Graduates

Students studying for the Master's degree may benefit from loans totaling 100,000 MAD released in equal instalments over a period of up to 2 years (50,000.00 MAD per year). The term of this loan category is a maximum of 6 years consisting of two successive periods:

1. The release phase of 5 years, corresponding to the duration of studies, plus the 12-month (1 year) deferment period.
2. The loan reimbursement phase of 4 years, including the 12-month (1 year) payment deferment period.

The annual interest rate is 0% as the interests are supported by AUI, applicable during the loan release period only. However, if the student falls in the 3rd year without being able to reimburse the global amount offered by the end of the 2nd year, the interest rate of 5.2% is applicable during the repayment period.

Loan Conditions

Each semester, loan advances are made at the time of registration and fee payment only for those students whose loan applications have already been approved by the bank loan committee. New students' loans are released to the order of Al Akhawayn University only after all the guarantee procedures have been completed and the student loan contracts have been duly certified by local authorities.

In the event that the new loan borrower cannot provide all the necessary

documents to complete his/her loan contract within the period specified by the Business Office, the University may take the following actions:

- The student will be charged a late payment fee equal to 2% of the amount due for each week that the required payment is late. (For example, a payment that is 15 to 21 days late will result in a late payment fee equal to 6% of the required payment.)
- No records of the student's course work while attending the University will be released until all loan requirements are satisfied.
- The University will pursue all legal remedies against the responsible party to collect amounts due.
- Any unused loan funds remaining in the student's account (after completion of studies or withdrawal from the university) will be returned to the bank, and not disbursed to the student or the individual responsible for making the loan payments.

Loan Procedures

The bank loan committee works in cooperation with the Financial Aid Office to satisfy all student and parent needs. It is the ultimate responsibility of the bank to communicate the final decision (approved or rejected) to the loan applicant. Applicants should ensure that this notification is scheduled before the confirmation deposit period.

Bank loan applicants should be aware that the loan process is complex and time-consuming. Any missing document, including the guarantee, delays the smooth progress of the bank loan process. Once the bulk of loan applications is approved by the bank loan committee, the bank officials proceed to draw up the loan contracts and subsequently must notify these students to go immediately to the bank agency to open a bank account, pay the loan insurance amount, and pick up their loan contracts for theirs and their parent(s)' certified signatures. If the parent(s)' assets already submitted for mortgage are in joint ownership, the loan process must go through both the Notary and the Land Registry, which takes considerable time.

Documents required for AUI-Approved Bank Loans "Avenir Plus":

- Certified copies of the parent(s)' National Identity Cards
- Certified copy of the applicant's National Identity Card
- Certified copy of the degree(s) earned, baccalaureate and/or bachelor's degree
- Handwritten bank loan application letter specifying the loan amount s/he wishes to receive
- Parent(s)' three most recent detailed pay slips showing both gross and net pay with all deductions made
- Parent(s)' occupation attestation(s) certified by the employer(s)
- Retirement income attestation(s) for retired parent(s)
- Income attestation(s) for financially independent or married applicants
- IGR: Attestation(s) of parent(s)' taxable revenues, delivered by the Tax Office

- Parent(s)' bank statements for the last three months
- Trade register and "*patente*" statements for company owners and/or managers
- For self-employed parents, a certified handwritten document declaring the estimated monthly income earned by the parent(s)
- For farmers, an attestation of ownership of farming land delivered by the local authorities (The Caid)
- Parent(s)' attestation(s) of ownership delivered by the Land Registry

To apply for this loan, the student has the option to submit his/her state loan application file with the required documents at any bank he/she chooses throughout Morocco.

3. Campus Employment

Student employment is an opportunity for any enrolled student to work on-campus and earn a specified amount of money per semester. Before the end of the semester, any enrolled student may apply for a part-time job for the subsequent semester by completing the Student Employment Application Form and submitting it to the Financial Aid Office. Student employment is offered primarily, but not exclusively, to students in good academic standing. Undergraduate students with a CGPA above 3.00 who have completed at least 30 credits at AUI, and graduate students who have completed at least 12 credits are eligible to apply for a part-time job. However, the Financial Aid Office may hire some applicants for part-time jobs who have a CGPA below 3.00/4.00, based on the availability of part-time job positions as well as the part-time job budget.

All regular assignments for campus jobs are made for the specified period that the University is in session. The student should recognize that s/he assumes the obligation to perform a necessary task to serve the University. All on-campus student employment is approved by the Financial Aid Office, and students are not allowed to hold two part-time jobs in two different areas at the same time in order to offer job opportunities and positions to others.

Time Commitment and Payment

Campus Employment provides students with the opportunity to "work off" a portion of the tuition and fees paid to the University. At the end of the semester, they are reimbursed for the number of hours worked at a rate of 25 MAD per hour. These part-time job earnings are directly remitted to the student's balance to cover fees and tuition costs.

Students should not work during hours they are scheduled to be in class. Most jobs require from 8 to 10 hours of work per week (160 hours per semester should be managed by the students depending on their time availability).

The total hours required to work per week may be exceeded in order to make up for missing hours caused by absence, vacation, late assignments, and/or exam periods. This exception also applies to some scholarship holders who are required to work a minimum of 5 hours/week. However, any student's absence from the assigned post or other new arrangement must be approved by the part-time job supervisor.

Campus employment is very limited. Paid part-time jobs are not available

during summer sessions. Students offered a paid part-time job late or even into the second half of the semester might be automatically assigned 80 hours per semester instead of 160 hours.

Terms

Part-time job students are not allowed to begin work prior to their job placement interview and/or without obtaining the proper documentation (part-time job assignment letter) from the Financial Aid Office. In addition, supervisors are not authorized to hire any student without a letter of appointment from the Financial Aid Office. Students who intend to resign from their jobs should contact the Financial Aid Office and provide supervisors with at least two weeks' notice. Part-time job students who wish to continue working for the same employer or to change their assignment area the following semester must notify the Financial Aid Office in advance.

At the end of the semester, part-time job students who are left with a part-time job balance of more than 80 hours, that is, hours not worked, will be placed on part-time job suspension for the subsequent semester. A student being placed on part-time job suspension for one semester after a poor work-study evaluation can reapply for campus employment the following semester.

In the distribution of jobs, periodic reallocation of part-time job students may be necessary. This system offers every part-time job student with the opportunity to work in different departments and handle both demanding and less demanding tasks.

Complaints and Grievances

Student workers who have employment-related complaints or grievances may bring such matters to the attention of the Financial Aid Office. The latter should make reasonable efforts to respond to or resolve the grievances. If the students are not satisfied with the resolution from the Office of Financial Aid, they may discuss their problems with the Vice President for Student Affairs, whose decision is final.

A department or unit that has a student employee with performance deficiencies should counsel the student in an attempt to change the behavior or performance. If necessary, a written reprimand should follow a verbal warning. If deficient performance continues, the student will be suspended from his/her PTJ without notice.

NOTE: Part-time work is not automatically guaranteed every semester, even for those who have previously had part-time positions. Rather, rehire is contingent upon the student's demonstrated financial need, work-study performance evaluation, academic achievement, and available vacancies.

Areas Available for Part-Time Jobs

Most seniors and graduate students qualifying for part-time jobs are assigned to their respective schools to work as teachers' assistants or graders. The Financial Aid Office assigns eligible students to part-time jobs within the following assignment areas:

a. Admissions Office
b. Athletics
c. Campus Store

d. Financial Aid Office
e. Housing Office
f. Information Technology Services
g. Interfaith Alliance
h. Language Center
i. Library
j. Office of Development and Communication
k. Office of International Programs
l. School of Business Administration
m. School of Humanities and Social Sciences
n. School of Science and Engineering
o. Student Activities Office

Student Employment at the Center for Learning Excellence (CLE)

The Center for Learning Excellence offers tutoring and mentoring services to provide academic support for students to achieve their full potential. This support assists students in adapting to the American system of education, to learn how to study for different courses, to get on the track to success and excellence, and helps students in preparing degree plans. The CLE team handles hiring highly skilled students who are then trained and certified as tutors and mentors according to the requirements set by the College Reading & Learning Association (CRLA). The CLE regularly hires tutors and mentors and a call for applications is sent via email to the student community. Occasionally, the CLE offers hires part-time job students for administrative tasks or special projects.

Tutoring position:

Eligibility criteria are a 3.30/4.00 CGPA, 30 credits minimum for undergraduate students and 12 credits for graduate students, to be considered for the position, A+, A, A- in the course in question, instructor's recommendation, prior tutoring experience (either on or off campus), and the student's personal high sense of responsibility, adaptability, commitment, and time management.

Mentoring position:

Eligibility criteria include a 3.00/4.00 CGPA, 30 credits minimum for undergraduate students and 12 credits for graduate students to be considered for the position. The student's involvement in campus activities, on-campus part-time experience, or professional experience are needed. The student's personal high sense of responsibility, commitment, time management, teamwork, and recommendations from AUI staff/faculty are required.

CLE undergraduate tutors and mentors are paid 50 MAD per hour directly on their balance at the end of the semester, while graduate tutors and mentors are paid 62.5 MAD directly on their balance at the end of the semester. CLE part-timers are supervised and trained weekly, and they are eventually certified by the CRLA upon completion of the training requirements.

For more information, contact the Center for Learning Excellence through cle@aui.ma

Writing Center Position

Eligibility criteria include a 3.30/4.00 CGPA, 30 credits minimum for undergraduate students and 12 credits for graduate students to be considered for the position. Writing Center undergraduate tutors are paid 50 MAD per hour directly on their balance at the end of the semester, while graduate tutors are paid 62.5 MAD per hour directly on their balance at the end of the semester. Writing Center tutors assist students with writing assignments and tasks in all stages of the writing process. Applicants must demonstrate advanced written and verbal language proficiency as well as knowledge of and familiarity with standard essay structure, formatting, and citing styles. In addition, they must have the ability to convey information in a supportive way to students seeking assistance.

For more information, contact the Writing Center through wcenter@aui.ma

Sibling Discount

The University offers a 5,000 MAD discount on regular semester fees (fall and spring) for each sibling of a student currently enrolled in or already graduated from AUI.

In order to apply for the sibling discount, the candidate has to complete the Sibling Discount Form and submit it to the Office of Financial Aid before the registration period for fall or spring semesters. The sibling discount is not available during the summer session.

Eligibility for Renewal

The eligibility for renewal of the sibling discount is similar to that of financial aid. The sibling discount is renewed only after careful re-examination of the recipients' academic performance at the end of each semester. The sibling discount can be used for a maximum of *8 semesters for undergraduate students and 4 semesters for graduate students* with no possibility to apply for an extension for an additional semester. The sibling discount amount should not exceed the cost of any credit left for both undergraduate and graduate students during their last semester(s) at AUI (such as one credit left for continuous registration or three credits left for an internship). In case of one credit for continuous registration, this discount is applicable only once. It is also available to international students. Sibling beneficiaries are allowed to reside in a single room. If one sibling is dismissed for whatever reason, the sibling discount is maintained. However, if one sibling withdraws from AUI for personal reasons, the sibling discount does not apply anymore.

If the first child, whether still enrolled or graduated from AUI, benefits from a full scholarship, an additional child is not eligible to benefit from this discount. In addition, scholarship students are not eligible to benefit from this discount unless they are placed on scholarship suspension with good academic standing. Moreover, this discount is not effective on a retroactive basis. Sibling Discount beneficiaries on financial aid must be aware that their 2nd child discount of 5000dhs is already included in their financial aid package.

Eligibility for Financial Aid

For financial aid eligibility, students must enroll on a full-time basis in undergraduate or graduate programs and must make satisfactory progress in

their declared programs of study. Only Moroccan students are eligible for financial aid. Qualifying need-based financial aid applicants may be considered for grants. Students may also apply for loans and/or campus employment. Continuing students enrolled without financial aid in their first semester at AUI can also apply for a grant after completing at least 30 credits at AUI with a good academic standing.

Eligibility for Grant Revision

Continuing students who have been offered a grant may also apply for a grant revision after completing **30 credits** or above. Eligibility decisions are on a case-by-case basis. Evidence of special circumstances that differentiate the requesting student from other students and that affect the student's estimated family contribution may motivate the financial aid committee to make changes. These circumstances may include, but are not limited to:

- Bankruptcy,
- Childcare expenses,
- Death of spouse or parent,
- Debts incurred by unemployment,
- Divorce/separation,
- Educational loans,
- Exceptional medical expenses,
- Failed business,
- Loss of assets,
- Loss of benefits,
- Loss of extended family support,
- Loss of income,

or other circumstances affecting the student's or family's ability to contribute to the student's educational expenses.

After a thorough review of the documentation provided, the Financial Aid Committee determines what type of assistance is to be awarded.

Financial Aid Policies

Renewability of Financial Aid Grants

While most financial aid packages are renewable subject to availability of funds (for a total of up to 8 semesters of study for undergraduates and 4 semesters for graduate study), grants from semester to semester are not guaranteed. They are renewed only after careful re-examination of the recipient's financial needs and academic performance. Thus, grant extension requests for the 9th semester (for undergraduate students who have completed 8 semesters with grant assistance), and for the 5th semester (for graduate students who have completed 4 semesters with grant assistance) are not guaranteed. Such extension requests are subject to a determination of satisfactory academic standing during the previous semesters. However, students on financial aid admitted to the combined program (BSMS or BA/MA) should apply for a new

grant for their graduate studies.

Eligibility for Renewal

Satisfactory academic progress is required for continued aid eligibility and renewal. Undergraduate financial aid recipients at AUI must maintain a minimum **2.00/4.00 SGPA**, while graduates must have a **3.00/4.00 SGPA**. Students who fail to meet this requirement at the end of the fall or spring semesters are placed on financial aid probation for the following semester. Undergraduate students unable to regain satisfactory academic standing (by taking at least **12 credits or 4 courses**) at the conclusion of the probationary semester will be placed on financial aid suspension until they satisfy the semester grade point average requirement. If, on the other hand, students obtain a semester grade point average below **1.50/4.00** for undergraduates and **2.50/4.00** for graduates, they will lose their eligibility for financial aid for the following semester.

Moreover, if the undergraduate or the graduate student obtains a grade of "**W**" or "**WP**" or "**WF**" or "**F**" in all courses at the end of any semester, s/he will be automatically placed on financial aid suspension for the following semester.

Students on financial aid probation or suspension may, with proper authorization, attend the AUI summer session at their own expense. However, students will not regain satisfactory academic standing by attending summer session. Neither will they be granted eligibility for financial aid for the following semester, regardless of their summer results.

Awards are made for the fall and spring semesters. Grants are not available to students for the summer session.

Financial Aid Renewal Policy for Undergraduate Students

Semester GPA	Financial Aid for the following semester
≥ 2.00/4.00	Good standing: grant is maintained
1.50/4.00 – 1.99/4.00	Probation: grant is conditionally maintained; SGPA of 2.00/4.00 or better must be obtained in the following semester
≤ 1.49/4.00	Grant suspension until SGPA is 2.00/4.00 or higher
Below 2.00/4.00 after two consecutive semesters	Grant suspension until SGPA is 2.00/4.00 or higher
At the end of any semester: SGPA with "W" or "WP" or "WF" or a combination of these grades in all courses.	Grant suspension for the following semester

Financial Aid Renewal Policy for Graduate Students

Semester GPA	Financial Aid for the following semester
≥ 3.00/4.00	Good standing: grant is maintained
2.50/4.00 – 2.99/4.00	Probation: grant is conditionally maintained; SGPA of 3.00/4.00 or better must be obtained in the following semester
≤ 2.49/4.00	Grant suspension until SGPA is 3.00/4.00 or higher
< 3.00/4.00 after two consecutive semesters	Grant suspension until SGPA is 3.00/4.00 or higher
At the end of any semester: SGPA with "W" or "WP" or 3WF" or a combination of these grades in all courses.	Grant suspension for the following semester

Financial aid recipients guilty of improper conduct or noncompliance with AUI regulations are under threat of scholarship suspension or cancellation.

Financial Aid Renewal Policy for Language Center Students

A separate financial aid system is available for AUI grant students enrolled in Language Center courses in their first or second semester at AUI.

Undergraduates

At the end of the semester, students who are left with a maximum of 4 language center courses (e.g., those passing from level 1 to level 2 and obtaining a minimum of C grade in their FAS and/or in regular courses), are eligible to maintain their grant for the following semester. However, if an undergraduate student obtains a failing grade ("D", "F", or "WF") in a Language Center course at either level 1 or 2, or any grade under a Pass or Fail course, the virtual CGPA is seriously considered in case of grant probation or suspension. The minimum SGPA to maintain the grant in the subsequent semester for undergraduate Language Center students is also 2.00/4.00, as stated in the table above.

Graduates

At the end of the semester, students left with a maximum of 4 Language Center courses (e.g., those passing from level 1 to level 2 and obtaining a minimum of "B" grade in their Foundation Courses and/or in their regular courses) are eligible to maintain their grant for the following semester. However, if a graduate student obtains a failing grade ("C", "D", "F", or "WF") in a Language Center course, in either level 1 or 2 or in a Foundation Course, the virtual SGPA is seriously considered in case of grant probation or suspension. The minimum SGPA to maintain the grant for the subsequent semester for graduate Language Center students is also 3.00/4.00, as stated in the table above.

Alumni's Child's Discount for Undergraduates

Eligibility Criteria

The University offers a 10,000 MAD discount on the fees of a regular semester (Fall and Spring) for each alumni's child enrolled at AUI. This discount is offered only to our students who obtained their degrees at AUI. It is not offered to those who were enrolled for a limited number of semesters and then left AUI without a degree.

Process

In order to apply for the alumni's child discount, the candidate has to complete the Alumni Child's Discount Form and submit it to the Office of Financial Aid before the registration period for the Fall or Spring semesters. This discount is not available during the Summer session.

Renewal Policy

The eligibility for renewal of this offer is similar to that of the financial aid. This discount is renewed only after careful reexamination of the recipient's academic performance at the end of each semester. It is also used for a maximum of 8 semesters for undergraduates and 4 semesters for graduates with no possibility to apply for an extension for an additional semester. For more details, you can refer to the eligibility for renewal of financial aid.

Renewal Policy for Undergraduate Students

Semester GPA	Financial Aid for the following semester
≥ 2.00/4.00	Good standing: discount is maintained
1.50/4.00 – 1.99/4.00	Probation: discount is conditionally maintained, SGPA of 2.00/4.00 or better must be obtained in the following semester
≤ 1.49/4.00	Discount suspension until SGPA is 2.00/4.00 or higher
1.50/4.00 – 1.99/4.00 after two consecutive semesters	Discount suspension until SGPA is 2.044/4.00 or higher
At the end of any semester: SGPA with "F", "W", "WP", or "WF" in all courses.	Discount suspension for the following semester.

Renewal Policy for Graduate Students

Semester GPA	Financial Aid for the following semester
≥ 3.00/4.00	Good standing: Discount is maintained
2.50/4.00 – 2.99/4.00	Probation: discount is conditionally maintained; SGPA of 3.00/4.00 or better must be obtained in the following semester

≤ 2.49/4.00	Discount suspension until SGPA is 3.00/4.00 or higher
2.50/4.00 – 2.99/4.00 after two consecutive semesters	Discount suspension until SGPA is 3.00/4.00 or higher
At the end of any semester: SGPA with “W”, “F”, “WP”, or “WF” in all courses	Discount suspension for the following semester

Like financial aid, the alumni’s child discount amount should not exceed the cost of any credit left for both undergraduate and graduate students during their last semester(s) at AUI (like the one credit left for continuous registration or the three credits left for the internship). In case of 1 credit for continuous registration, this discount is applicable only once.

Unlike financial aid, the alumni’s child discount is available to international students. Alumni’s child beneficiaries are also allowed to reside in a single room. Those on financial aid must be aware that this offer of 10,000 dhs is already included in their financial aid package.

They are not allowed to combine this offer with any other form of discount (like scholarship, financial aid, sibling discount, or other…). Moreover, this discount is not effective on a retroactive basis.

Also, scholarship students meeting the alumni’s child criteria are not eligible to benefit from this discount unless they are placed on scholarship suspension.

Alumni’s Discount for Graduates

For AUI graduates, admitted students can benefit from 10% tuition discount and an additional 20% discount based on the student’s academic records, two letters of recommendation from the school’s faculty members and the appreciation of the dean. This discount is also applicable to continuing students enrolled in the combined program at SSE and SHSS regardless of their CGPA. Students benefitting from a full external fund or sponsorship are not eligible to receive this offer. Moreover, it goes towards tuition only.

Renewal Policy

The eligibility for renewal of this offer is similar to that of the financial aid. This discount is renewed only after careful reexamination of the recipients’ academic performance at the end of each semester. It is also used for a maximum of 3 semesters with the possibility to apply for an extension for an additional semester based on the beneficiary’s academic performance. For more details, you can refer to the eligibility for renewal of this discount below:

Semester GPA	**Financial Aid for the following semester**
≥ 3.00/4.00	Good standing: Discount is maintained
2.50/4.00 - 2.99/4.00	Probation: discount is conditionally maintained; SGPA of 3.00/4.00 or better must be obtained in the following semester

≤ 2.49/4.00	Discount suspension until SGPA is 3.00/4.00 or higher
2.50/4.00 – 2.99/4.00 after two consecutive semesters	Discount suspension until SGPA is 3.00/4.00 or higher
At the end of any semester: SGPA with “W”, “F”, “WP”, or “WF” in all courses	Discount suspension for the following semester

AUI Scholarships for New Students

Scholarship Eligibility Criteria for Undergraduate and Graduate Students

Scholarships are offered to students with excellent academic profiles based on the following:

Undergraduates

- A Moroccan baccalaureate or equivalent with a minimum “mention Bien” (15/20)
    - Or a grade of 14/20 or above for a French baccalaureate
    - Or an American baccalaureate with an SGPA of at least 3.50/4.00
    - Or a Middle Eastern baccalaureate with 90% or better
    - Or a Spanish baccalaureate of 8/10 (16/20) or better
    - Or an Italian baccalaureate with at least 26/30
- Participation in any extra-curricular activities or organizations (like student government, publications, arts, music, clubs, sports, etc.)
- Participation in community service/volunteer work, and leadership activities outside high school (environmental protection, conservation, charity, etc.)
- Awards or special recognition and certificates received
- A superior rating at the scholarship interview wherever applicable
- A combination of these elements is used to rank undergraduate scholarship applicants and determine the type of scholarship they will be awarded, students offered a scholarship should confirm their acceptance of the award and of its renewal policy by paying a scholarship deposit before the set deadline stated on the scholarship decision message.
- N.B.: High School Diploma must be recently obtained. However, the scholarship offer may also be extended to one previous Bac year (the scholarship is not limited to first-year students).

Graduates

- Good post-baccalaureate academic results and recommendation of the school’s graduate committee with a distinction of at least “Bien” in the

"Licence," an equivalent for the French system, or a CGPA of **3.50/4.00** for applicants with an American type degree; and

- Superior rating at the scholarship and admission interview where applicable.

A combination of these elements is used to rank scholarship applicants and determine the type of scholarships to be offered. Scholarships vary from 15% to 100% of tuition.

Procedure

Students can apply for a scholarship by completing the online scholarship application form *downloadable* from the website for graduates before the established deadline.

Scholarship Period

Undergraduate beneficiaries are eligible for AUI scholarship for a maximum of nine semesters (or eight semesters plus two summer sessions), while graduate scholarships are allowed to use their scholarship for a maximum of four semesters, ***including one semester at the Language Center***. However, extension for any extra semester including the summer session may be granted based on the scholarship fund and on the beneficiary's academic standing during the previous semesters at AUI.

The scholarship application process is mainly open for fall semesters to undergraduate students and for fall and spring semesters to graduates. Scholarships cover courses required for graduation only. It is highly recommended that the scholarship beneficiary should take six courses per semester and enroll in at least two summer sessions. In addition, any course dropped by the students must be validated by the Financial Aid Office.

If the student takes fewer than the recommended full-load, s/he should be aware that s/he runs the risk of extending his/her time before graduation, therefore having to pay for additional or remaining courses.

Change of Major for Scholarship Students

Scholarships are granted for specific programs but following the student's desire and his/her request to change the major and after obtaining the approval of the releasing school, they can be transferable to other programs outside the school to which the scholarship recipients were initially accepted with no risk of scholarship termination.

N.B.: Scholarship recipients guilty of improper conduct or noncompliance with AUI regulations are under threat of scholarship suspension or cancellation.

Part-time Employment for Scholarship Students.

Part-time Employment for Scholarship Students

All scholarship holders must take an active part in AUI student activities,

particularly in the area of community service. Undergraduate full coverage scholarship holders must provide services to AUI by holding unpaid part-time jobs of 5 hours per week (80 hours per semester), starting their second semester at AUI, while graduate students on scholarship have to perform a contractual part-time job of up to 20 hours per week starting their first semester at AUI. Failing to complete at least 50% of the total hours of work required per

semester may jeopardize the continuation of a scholarship. If a student is selected to work for an externally-funded project, s/he may receive compensation for the work, if authorized by the DSA. This applies to undergraduate full coverage scholarship holders, graduate scholarship recipients, and other financial aid beneficiaries.

Upon the approval of the DSA, scholarship students with unpaid part-time jobs are allowed to perform, concurrently, a paid part-time job during the same semester, if they have the necessary skills.

Scholarship students are not allowed to perform two paid PTJ during the same semester.

Graduate students under a second scholarship probation or suspension are not required to perform their unpaid job until they regain their full scholarship package for the subsequent semester. Also, scholarship students with unpaid jobs are exempted from performing their required unpaid job while on an Exchange Program.

Scholarship students who are not able to complete their unpaid job (as part of the scholarship package) are offered the possibility to make up for their missing hours during the subsequent semester if they get the approval from the DSA. Otherwise, they may either be placed on scholarship suspension for the following semester, or be required to reimburse the cumulative number of unearned hours at the rate of 25 MAD per hour at the end of their last semester at AUI.

Language Center for Scholarship Students

Undergraduate students enrolled in Language Center courses with or without regular courses in their first semester at Al Akhawayn University are allowed to use their scholarship package regardless of their TOEFL score. However, they should be aware that they should not exceed their scholarship period of using their scholarship for 9 semesters inly without summer or 8 semesters, plus 2 summers.

In addition to their excellent academic ranking, graduate students must obtain a minimum TOEFL IBT score of 54 (paper-based score of 480) or an IELTS score of 5 (paper-based score of 480) to be eligible to receive their scholarship in their first semester at AUI as they are placed in the Language Center level 2. However, they must pay for every remaining Language Center course they are left with in the following semester(s). The cost of one Language Center course corresponds to that of a 3-credit course: 6300 MAD for undergraduates and 7950 MAD for graduates.

In order to decide upon students' scholarship renewal for the following semester, **the virtual SGPA** is considered for scholarship students registered for Language Center courses or any other course graded on a pass/fail basis (such as French and FAS courses for undergraduate students, and Foundation courses for graduate students).

Scholarship Postponement

Admitted students with a scholarship are not allowed to postpone their enrollment for the subsequent semester if they meet the admission and TOEFL requirements. Students who desire to do so should be aware that their scholarships would not be guaranteed for the following semester. However,

they have the possibility to submit a written appeal to the scholarship committee. The appeal decision is subject to the scholarship budget availability.

Summer Session for Scholarship Students

Students are allowed to use their scholarship during summer sessions if they are in good academic standing, they respect their scholarship period, and they do not exceed the total budget committed for the 9 semesters for undergraduates and 4 semesters for graduates. Students should be aware that the summer session GPA would not be taken into account for probation, suspension, or reinstatement.

Combined Programs for Students with Scholarships

After completing the number of credits specified by their school graduate committee, scholarship holders have the right to combine bachelor's and master's degrees, but they must apply for a new scholarship, which may be granted based upon their CGPA, dean's recommendation, and on their involvement and respect for their commitments. If they are granted the scholarship, this scholarship will go towards the tuition of the graduate course(s) only. This scholarship for the combined program covers three semesters only and their scholarship type should not exceed the tuition cost. Moreover, the scholarship coverage of 1 credit for continuous registration is applicable only once.

Scholarship Renewal Policy

Continuation of a scholarship depends upon the student demonstrating excellence and successful progress in his/her studies, as evidenced by maintaining a semester grade point average (SGPA) of **3.00/4.00 for undergraduates and 3.50/4.00 for graduates**. If the student obtains an SGPA between 2.50/4.00 and 2.99/4.00 for undergraduates and between 3.00/4.00 and 3.49/4.00 for graduates, s/he will be placed on scholarship probation.

Decisions regarding scholarship reduction, suspension, or reinstatement based on the spring academic results are applied to the following summer and fall sessions. However, summer session results are not taken into account for either scholarship probation, reduction, suspension, or reinstatement. Students on scholarship suspension can have their scholarship package reinstated for the following semester only if they have taken a full load of at least 12 credits or 4 course credits with an SGPA of 3.00/4.00 or better than the previous semester. Failure to return to the required standing, reduction, or suspension of the scholarship will apply as listed in the tables below:

Scholarship Renewal Policy for Undergraduate Students

Semester Status for Undergraduates	Scholarship Decision the Following Semester
SGPA ≥ 3.00/4.00	Good standing, maintain scholarship
First Semester: SGPA between 2.5 and 2.99	First probation with a conditional scholarship for the following semester

Second Semester (after the first scholarship probation): SGPA below 3.00	Second probation (either consecutive or cumulative), 50% scholarship reduction for the following semester
Third Semester (after the second scholarship probation): SGPA below 3.00	Third probation either consecutive or cumulative, scholarship suspension for the following semester.
First Semester: SGPA between 1.50 and 2.49	First unsatisfactory standing with 50% scholarship reduction for the following semester
Second Semester (after the first unsatisfactory scholarship standing): SGPA below 3.00	Second unsatisfactory standing (either consecutive or cumulative), scholarship suspension for the following semester
At the end of any semester: SGPA below 1.50	Scholarship suspension for the following semester
At the end of any semester: SGPA with “W”, “F”, “WP”, or “WF” in all courses	Scholarship suspension for the following semester

Scholarship Renewal Policy for Graduate Students

Semester Status for Graduates	**Scholarship Decision the Following Semester**
SGPA ≥ 3.50/4.00	Good standing, maintain scholarship
First Semester SGPA 3.00/4.00 – 3.49/4.00	First probation; maintain scholarship with condition of obtaining 3.50/4.00 SGPA or higher
Second Semester (after the first scholarship probation): SGPA < 3.50/4.00	Second probation (consecutive or cumulative); 50% scholarship reduction
Third Semester (after the 2nd scholarship probation): SGPA below 3.50/4.00	Third probation (consecutive or cumulative); scholarship suspension until SGPA of 3.50/4.00 or higher is obtained
First Semester: SGPA between 2.50/4.00 and 2.99/4.00	First unsatisfactory standing; 50% scholarship reduction
Second Semester (after the first unsatisfactory scholarship standing): SGPA < 3.50/4.00	Second unsatisfactory standing (consecutive or cumulative), scholarship suspension until SGPA of 3.50/4.00 or higher is obtained
At the end of any semester: SGPA below 2.50	Scholarship suspension for the following semester

At the end of any semester: SGPA with “W”, “F”, “WP”, or “WF” in all courses	Scholarship suspension until SGPA of 3.50/4.00 or higher is obtained

Scholarship Rules for Graduates

- Graduate students can use their scholarship and/or financial aid when enrolled in Language Center level 2, Online, or face-to-face Foundation courses, Regular courses, or a combination between any of these categories.
- Graduate students enrolled in Online Foundation courses only may benefit from either scholarship only or financial aid only under the condition of not exceeding the cost of the online foundation course (no combination of the two discounts). However, students benefitting from both discounts are eligible for scholarship only.
- Graduate students placed in Language Center level 1 and Foundation courses can use their scholarship and/or financial aid to cover the cost of foundation course(s) only under the condition of not exceeding the cost of the foundation course tuition.
- Graduate students placed in Pre-Academic Language Center level are not eligible to use their scholarship or financial aid.
- A graduate scholarship beneficiary who obtains a failing grade in a Foundation course in fall or spring will be placed on scholarship probation for the following semester. If the student is unable to regain satisfactory standing at the end of the probationary status and authorization is granted to continue in the program, he or she will be placed on second time scholarship probation with 50% scholarship reduction until the scholarship renewal requirements are satisfied. Failure to return to the required academic standing will result in suspension of the scholarship. On the other hand, should a graduate scholarship beneficiary receive two failing grades during one semester of foundation courses, s/he will be placed on scholarship suspension.
- Graduate students placed on scholarship suspension may benefit from a second child discount instead, if eligible.
- Continuing students on scholarship withdrawing from AUI will definitely lose their scholarship package if they ever decide to return to AUI. Students placed on scholarship suspension for many semesters will be placed on scholarship hold so that their scholarship package will be reviewed in case of their scholarship reinstatement.

Scholarship Appeals

Undergraduate students who obtain, **for the first time**, an SGPA between 2.90 and 2.99 (between 13.50 and 13.99 for students on an exchange program in Science Politics) and graduate students with an SGPA between 3.40 and 3.49 may appeal to the scholarship committee to remove the probationary status. If the appeal is rejected, probationary status will apply. If the appeal is accepted, the student is required to regain a good standing (SGPA ≥3.00/4.00 for undergraduates and ≥3.50/4.00 for graduates) by the following semester;

otherwise, s/he will be placed on scholarship probation without the possibility of appeal.

This scholarship appeal is offered only once. To make a determination regarding an appeal, the school's recommendation, parent(s)' financial situation, and student's involvement in social work or other university activities may be taken into consideration.

Scholarships for International Graduates

Graduate scholarships are offered to Moroccan applicants only. However, a few scholarships may be offered to international graduate candidates admitted to any graduate program at the School of Humanities and Social Sciences.

Conditions for the AUI External Scholarship

All sponsorship beneficiaries have to abide by the AUI regulations in terms of their scholarship renewal criteria (**≥3.00/4.00** or better for undergraduates and **≥3.50/4.00** or better for graduates) as well as unpaid campus employment that is part of their scholarship package.

Students benefiting from any external scholarship or financial aid are not eligible to receive any other AUI discount.

AUI Scholarships for Continuing Students

Purpose

Within the framework of its policy of the encouragement of sustainable excellence, the University sets a scholarship award for continuing students in order to recognize their academic excellence. They also receive a recognition certificate. Each semester, the University decides on a number of awards to be offered to deserving students.

Procedure

At the end of each semester, highly qualified and ranked students eligible for this excellence award meeting the criteria stated below will be automatically generated from the system. They do not need to complete any form or to submit it to the Financial Aid Office. Selected candidates are offered competitive scholarship covering partial or full tuition for the following semester.

Eligibility Criteria

Students are eligible to apply for an academic excellence award if they meet the following criteria:

- Must be undergraduate degree-seeking;
- Must have completed at least 30 credits at AUI;
- Must have a cumulative GPA of at least 3.80;
- Must have never been placed on academic or disciplinary probation;
- Must have earned at least 15 credits (or completed 5 courses) at AUI during the last semester prior to the time of their application;
- Must be non-full tuition scholarship holders; and
- Must be among the top 10 selected candidates.

Selection Criteria

The award will be given to top students based on their CGPA (Cumulative Grade Point Average). The number of awards is determined every semester according to available funds. The award covers payment for partial or full tuition and for one semester only. However, the award does not cover any course the beneficiary may drop during the award semester.

Excellence Award Renewal

The academic excellence award is semester-based and renewable every semester if the above criteria are met.

* Eligible students on a partial tuition scholarship or financial aid may apply for adjustment.

Student Services

At AUI, there is more to education than attending classes and taking exams. The Division of Student Affairs focuses on helping students make the most of their stay at AUI and plays a significant role in the overall development of students. The Division provides a suitable environment in which students may engage in varied and rich co-curricular activities and programs.

Campus life at AUI offers intramural and intercollegiate sports and fitness programs to keep active participants in the best shape, physically and mentally. The Student Health Center provides first-aid medical services to help students strengthen and maintain their health and overall well-being. Counseling Services is ready to help students overcome personal difficulties. Our spiritual leaders serve our community by leading regular religious services and interfaith discussions to promote tolerance and diversity. The office of Housing Services guarantees housing on campus for undergraduates for at least six semesters in a safe, comfortable environment that fosters community living, mutual respect, and civility through the Resident Assistants' Program and other activities.

We also endeavor to instill a sense of civic responsibility in our students through our community service program component, wherein students must perform 60 hours of service with an NGO or charitable association of their choice before graduation, along with the recently developed Service-Learning Program. In addition, students can join one of three main AUI social organizations and/or the Azrou Center to help provide crucial help to the local Ifrane and surrounding communities. AUI has over 20 sports clubs, over 40 active student organizations, 3 student publications, and 1 media outlet. Study-abroad opportunities are available with 400 institutions in 50 countries and include United States institutions of higher education, as well as European and Asian universities. For students ready to expand their experience and enhance their skills and CVs, internships are a great way to learn firsthand what challenges field professionals face and how to incorporate student experiences and skills. Finally, through the Leadership Development Institute, we offer high-achieving, highly motivated students the opportunity to sharpen their skills and earn a co-curricular certificate.

Student Life

Student Activities Office

The Student Activities Office is an entity that is entirely dedicated to AUI students by providing them with the space, the materials, and the knowledge to develop themselves and enrich their experience at AUI with the various opportunities that the SAO has to offer. At the student activities office, we aim to make the campus as alive as it can be, by increasing the student's involvement through the various club events, as well as SAO events, which we dedicate our time and effort to organize.

One of the main reasons why the Student Activities Office is so successful in

making AUI's campus such a fun and exciting place is student organizations. All of AUI's clubs are under the responsibility of the Student Leadership Council. The SLC provides the support to the student organizations by promoting their missions and goals. In addition to that, they offer opportunities that align with the club's mission.

In order for students to join clubs they are interested in, the SLC organizes a clubs fair. It is an event that happens every semester and allows students to find their passion and discover another side of the university that will enable them to take initiatives to become club leaders. And not only can students join clubs, but they can create their own!

There are several categories of clubs offered at AUI:

- **Cultural**: Japanese Circle, Islamic Art and Culture
- **Educational**: Debate Club, Moroccan Politics Club
- **Entertainment**: Rhythm Unity, Gaming Club
- **Humanitarian**: hand in Hand, UNICEF, Rotaract

The Student Activities Office also organizes events that are special to it, such as the brain bash and the talent show. The brain bash is a trivia competition where groups of students compete against each other for a chance to receive a hefty prize. These students put their knowledge to the test by answering questions in four categories: politics, geography, movies, and music.

As for the talent show, we can say that it is the most important SAO event that takes place in AUI. Every spring semester, the SAO team auditions the most talented people at AUI to showcase their talents and skills onstage, to an audience of students, staff, faculty, and executives. The three first winners get to win prize money accordingly, and the judges are none other than the audience! AUI has also had the pleasure of welcoming many artists thanks to the Student Activities Office. We had the opportunity to bring on stage many comedians (Les incalifiables, Rachid Rafik), as well as singers and musicians (Betweenatna).

The Student Activities Office consists of an amazing team of staff and part-timers. Our SAO leaders are the most serious and hardworking students. You are likely to see them at every event that takes place at AUI, whether big or small. They are here to help in the planning, the organization, and the management of events. As well as SAO admins that spend their full time finding outstanding events for the community and making sure that everything runs smoothly. They are the heart of the Student Activities Office, and nothing could be achieved without them.

For further information, visit our website at sao.aui.ma.

Student Organizations

Student organizations are created by students based on their own interests. Every student organization has a faculty or staff member adviser who helps its members achieve the objectives of the organization. Currently, there are over forty active student organizations that fall under four categories: recreational, educational, social, and cultural.

Student Government Association

The Student Government Association acts as a liaison between the administration and the student body in addressing student needs and concerns. The SGA forms committees to research the concerns of students and propose solutions to the General Assembly (GA) in the form of resolutions. Resolutions are voted on by the GA, and if passed, are forwarded to the Dean of Student Affairs for review and feedback. The final resolutions are then forwarded to the University President, who has the final authority to approve or reject them.

Student Publications

There are three newspaper publications produced exclusively by AUI students. The newspapers are published in three languages: Arabic, French, and English. These publications address various issues of interest to students, including academics, campus life and events, and national/ international news. Publications are fully managed and produced by students with the assistance and guidance of a faculty or staff advisor.

Student Conduct

Upon joining AUI, students automatically become members of the University community and, as such, assume full responsibility for proper conduct until they leave the University. All University students are expected to be familiar with the common conventions of adult society that govern behavior. In addition, it is the responsibility of the student to become familiar with the University's overall policies, rules, and regulations covering student conduct. These rules and regulations consist of official policy statements on important issues that concern students. The full Student Conduct policies are published online and in the Student Handbook.

The University reserves the right, through due process, to suspend, expel, or place on probation any student for improper conduct.

Athletics

The Athletic program is an integral part of the overall educational process at AUI. Through sports, students are taught the value of hard work, discipline, team building, and sportsmanship. AUI's Athletic department provides every student with an environment that allows students to not only achieve athletic success, but lay the foundation for success in life as well.

Student athletes who join AUI's official teams can expect to gain all the benefits that participating in a competitive sport offers.

The Recreation Center provides opportunities for students to engage in activities, programs, and special events that promote healthy and active lifestyles, leadership development, social interaction, and educational opportunities. These opportunities exist through programs, sports clubs, services, and facilities that reflect the diverse needs of the Al Akhawayn University Family.

AUI Athletic Facilities

The Athletic Department invites you to visit the AUI Sports Center. One of our major functions is to encourage students to start a personal program of

recreation so that they can experience the benefits and joys of feeling fit and having fun.

AUI's Sports Complex is one of the most elite sports complexes in the country. It houses facilities that rate among the nation's best, and provides excellent training conditions for athletes, teams, and all students looking to improve their physical condition. AUI's athletic facilities include a sports complex, a fitness center, two soccer fields, a tennis center, a gymnasium, a jogging track, an indoor swimming pool, and a spa.

Sports Complex

Includes a gymnasium, an Olympic swimming pool, a spa, a martial arts room, and the AUI Official Team Fitness Training Center:

Gymnasium: The AUI Gymnasium is the home of the AUI lions, but it also hosts a wide variety of events throughout the year. Besides varsity basketball, handball, volleyball, and badminton training and contests, it hosts events such as the graduation commencement ceremony, job fairs, the fun run, and the beginning of semester registration.

Swimming Pool: AUI's swimming pool is an eight-lane, 50-meter Olympic-sized indoor pool heated between 27-28°C. It is regarded as one of the country's finest indoor swimming facilities. Recreational swimming is available 7 days a week and is supervised by certified lifeguards. The swimming pool also hosts the AUI Swimming School.

Spa Center: The campus Spa Center is a unique facility where quality and satisfaction are our main priority. We offer a comprehensive range of spa services tailored to your own needs for wholesome relaxation and treatment, including a sauna, jacuzzi, and massage services.

Martial Arts Room: The Martial Arts room is furnished with a parquet floor that provides quality services for all martial arts classes. The parquet is covered with Tatami mats that are available to provide extra cushion for Martial Arts and other contact exercises.

AUI Official Team Fitness Training Center: The Official Team Fitness Training Center is equipped with free weights, machines, treadmills, power bikes, and steppers. It also includes televisions and a sound system to enhance the workout experience. Use of it, however, is reserved exclusively for student athletes to develop their fitness performance.

Fitness Center

The Fitness Center is located near the gymnasium and next to the main soccer field. With a size of more than 960 square feet, it's the latest sports facility to be built on campus. It features a fitness room, a weight room, a cardiovascular room, table tennis, and a shop for sports-related items. The fitness center is equipped with state-of-the-art weight and cardiovascular equipment from reputable USA suppliers, such as Life Fitness and Techno Gym.

Outdoor Facilities

Soccer Field: The main soccer field is a naturally lit grass field located in front of the Sports Complex that conforms to the international standard. It has gained notoriety as one of the finest fields in the nation and serves as the

practice site for many Moroccan premier league teams' pre-season training.

Soccer Field Annex: The second soccer field is an outdoor soccer field located near the lower parking lot, close to the university's main gate. This soccer field annex is mainly used for free practice, soccer intramural competition, and AUI's rugby team.

Tennis Center: AUI also has three hard regulation-sized tennis courts for the use of the University community that are lit and located outside of the Student Activities Building.

Official Sports Teams

AUI has a committed athletics program that supports the overall mission of the University and complements the values and goals of education. To that end, AUI is a member of the Moroccan Federation of University Sports. Both our men's and women's official teams compete in five collective sports: soccer, volleyball, basketball, handball, and Rugby; and four individual sports: tennis, table tennis, track and field, and swimming. In addition, AUI teams compete in international sports tournaments such as the "*Tournoi des cinq ballons*" organized by ER-REC, the Paris and Dubai American University international tournaments, the Bogacizi international sports festival, the Euro-Valencia international sports tournament, and the Beirut Unisport Festival.

Intramural Sports

AUI's intramural sports are organized by the Athletic department to provide all students with the opportunity to participate in their favorite sport on a competitive or recreational level. A wide variety of indoor and outdoor year-round sports are available, including swimming, basketball, soccer, volleyball, table tennis, and tennis.

Club Sports

The Club Sports Program promotes participation in a wide variety of activities, complementing the University's Intramural Sports Program and Outdoor Recreation Program. Club Sports are designed to help students develop leadership and financial and organizational management skills through the opportunity to create, organize, and run their own club. The Department of Campus Recreation provides advisement and administrative assistance to clubs, but emphasis is placed on student leadership and involvement. The success of each club is dependent on the dedication and commitment of its student leaders and members.

To know more about club sports, please visit the Athletics website: http://www.aui.ma/en/athletics.html or contact the Athletic Office: 3159, 2015.

Student Housing

University Housing and Residential Life Office provides high quality living to all residents. Housing is guaranteed for at least eight semesters, and a variety of living options and support structures provide opportunities for student growth as they pursue their educational goals.

To meet the needs of the maximum number of applicants, nineteen on-campus residence halls and downtown residences are equipped to offer high standard accommodation to over 1,800 students. Living in residence halls means easy

access to classrooms, study groups, the library, and campus activities, as well as a place to interact with others. With AUI housing, there are no worries about escalating utility costs for heating, phone and internet connections, or transportation. In addition to the financial benefits, another important advantage of living on-campus is the sense of connection established by becoming part of the community.

AUI housing is a home away from home where lifelong friendships are shaped and the transition from family life to independence begins. A dedicated team of professional staff and well-trained Resident Assistants aspire to create a rich residential experience for all residents.

Information about housing rules and regulations, along with a detailed description of the residence halls, is available on our website: http://www.aui.ma/en/housing-menu/regulations-policies.html.

Student Conduct

Upon joining AUI, students automatically become members of the University community and, as such, assume full responsibility for proper conduct until they leave the University. All University students are expected to be familiar with the common conventions of adult society that govern behavior. In addition, it is the responsibility of the student to become familiar with the University's overall policies, rules, and regulations covering student conduct. These rules and regulations consist of official policy statements on important issues that concern students. Student Conduct is published online and in the Student Handbook.

The University reserves the right, through due process, to suspend, expel, or place on probation any student for improper conduct.

Center for Learning Excellence (CLE)

The Center for Learning Excellence (CLE) provides AUI students with both tutoring and mentoring services in order to ensure a holistically fulfilling learning experience. The CLE adopts a peer-to-peer methodology to transform learning from a vertical process to a horizontal one. This not only makes learning more approachable and less intimidating, but also empowers students to structure their education in a way that works for them. On top of being equipped with a steady academic foundation, our tutors and mentors are internationally trained and certified to meet the needs of their peers. While our mentors provide new students with advice and guidance, our tutors assist their fellow students by working to find the learning methodology that works for them. To ensure the availability of our services to every student regardless of their schedule, our online platform allows students to book either tutoring or mentoring sessions at the times that suit them best. The CLE has received the College Reading and Learning Association's (CRLA) certification for both its tutoring and mentoring training programs, ensuring international standards in CLE higher education assistance.

At the CLE, we believe in students' ability to reach their full potential. That is why we have been providing students with tutoring and mentoring services since 2014. These services help students develop the necessary skills to achieve academic excellence through our mentoring and tutoring services. Our

mentors and tutors are some of the best students on campus who have been through a thorough selection process, as well as intensive training. Each tutor and mentor participates in multiple training sessions in order to obtain the International Tutor/Mentor Training Program Certification (ITTPC/IMTPC) from the College Reading and Learning Association (CRLA). By the end of each mentor and tutor's first semester, they will be certified by the CRLA. Our tutors, on the other hand, deliver tutoring sessions in some of the most rigorous classes at Al Akhawayn University. We offer tutoring sessions in classes across the three different schools at Al Akhawayn University: The School of Science and Engineering, The School of Business Administration, and The School of Humanities and Social Sciences. Tutoring sessions can be arranged individually through our website https://cleptm.aui.ma or it can take place in a group setting as requested by a faculty member. We also keep our list of tutored courses open as demand fluctuates, and we are always open to offering new courses as requested by students/faculty.

Contact us:
Building 7 – Room 101
Center for Learning Excellence Coordinator: Ext: 2185
Center for Learning Excellence Junior Coordinator: Ext: 2484
Email: cle@aui.ma
Booking sessions: https://kudos.aui.ma/
Sessions are scheduled 24 hours before your desired time. Your appointment is set once you receive a confirmation from Kudos.

Writing Center

The Writing Center is a part of the Center for Learning Excellence at AUI. The center provides certified tutors who are dedicated to assist their peers become strong writers by following the Socratic methods of tutoring. Students are encouraged to use the services provided by the Writing Center to sharpen their writing skills regardless of their levels or academic disciplines.

Through using the Socratic methods of tutoring, tutors ask questions to estimate the tutees' understanding of their writing and get them to think critically. Tutors use English as the language of instruction. Within peer-to-peer tutoring sessions, the tutors aid their peer students from all schools and departments to hone editing and writing skills and increase overall confidence in our student's writing.

The Writing Center can help students become better writers by pinpointing how they could improve on their writing and providing them with the appropriate exercises and methods to gain the tools they need to sharpen and strengthen their writing skills. The tutors assist students with aspects of the writing process, such as understanding the assignment, creating an outline, developing a strong thesis, organization, comprehension, grammar, and punctuation.

Each Writing Center tutor goes through a minimum of 10 hours of planned training, a minimum of 25 hours of tutoring experience, which must consist of direct contact with students, plus regular evaluation for each tutor by a knowledgeable and experienced evaluator (Writing Center Junior Coordinator).

Contact us:
Building 7 – Room 115
Writing Center Coordinator: Ext: 2185
Writing Center Junior Coordinator: Ext: 2373
Email: Wcenter@aui.ma / CLE@aui.ma
Booking sessions: https://kudos.aui.ma/
Sessions are scheduled 24 hours before your desired time. Your appointment is not set until you receive confirmation from Kudos.

Campus Store

The mission of the AUI store is to serve students, faculty, staff, and visitors by making the necessary consumer products available while remaining financially sound and sustainable. Various snacks, beverages, gifts, and an assorted selection of other items are available for purchase at the Campus Store.

AUI Store Hours of Operation (subject to change)

Regular Hours

- Monday – Friday 8:00am – 7:45pm
- Saturday – Sunday 11:30am – 2:00pm & 2:30pm – 5:30pm

Hours During Mid-Semester Break

- Monday – Friday 8:30am – 12:50pm & 2:00pm – 5:30pm
- Saturday – Sunday Closed

Hours During Ramadan (subject to change)

- Monday – Friday 9:30am – 5:00pm
- Saturday – Sunday 12:00am – 4:00pm

The campus store opens 7/7 with 70 hours per week, exceeding the administrative work time per week by 30 hours. This is to allow more time for students to satisfy their needs.

Campus Store Regulations

- Students must use their own Cash Wallet for purchases.
- Students are not allowed to consume store products before payment.
- Items purchased from the store can only be returned within 48 hours after purchase (in case the product is found damaged).
- Shoplifters are subject to serious disciplinary action.

Cash Wallet Use Regulations

- Cash wallet cards must not be damaged or broken, and photos should be recent and clear.
- Cash wallets are mandatory to pay for any purchased items.
- Students are not allowed to use one another’s card without sound reason.

Contact Information

Campus Store Tel: 0535-86-2020/26

Counseling

Al Akhawayn University offers confidential counseling services to all students. AUI counselors provide personal, social, academic, career, and crisis counseling. AUI counselors are available to students as needed. To schedule an appointment, send an email to: counselor@aui.ma

Walk-in sessions (individual session, no appointment needed) are offered each semester for people who cannot wait. In the event of a psychological emergency, students can go to the Health Center: the counselors are rotating to offer a 24/7 on-call service. Additionally, a psychiatrist comes to the AUI campus on a part-time basis to meet with students in need of further help. To make an appointment, please email: j.toufiq@aui.ma

Contact us:
Building 8B, Room 309 – Ext. 2157
Building 6, Room 108 – Ext. 2034
For more information: http://www.aui.ma/en/counseling.html

Health Center

The primary objectives of the Health Center are to assist students, faculty, and staff in developing sound preventative health practices and to provide primary medical care when needed.

Dining Services

The University offers food services operated by two contracted caterers. Dining facilities include a main restaurant, grill, pizzeria, coffee shop, and a club house restaurant. Usually, meals are available throughout the day. However, reduced services are available on Sundays and during vacation periods. Detailed information about operating hours is available online and in the Student Handbook.

Computer and Email Support

Information Technology Services (ITS)

The ITS Department's mission is to provide the Information Technology required for the fulfillment of the University's vision and to support its academic programs, research, and development centers in an efficient and effective manner through:

- Providing campus-wide IT infrastructure and services;
- Supporting overall AUI operations through technology; and
- Promoting the use of technology for students, faculty, and staff.

Service Desk (SD)

The SD is the single point of contact between ITS and all other users (Students, Faculty, and Staff). It has two focuses: User request management and communication.

This division is responsible for providing the following services:

- Issue resolution, respecting emergency level,

- Request orchestration, dispatching, and monitoring until resolution,
- Troubleshooting,
- Lab management,
- Internal communication.

What students need to know about Service Desk:

- All IT-related requests must be directed to the Service Desk through the ITS Ticketing System at http://sd.aui.ma
- For urgent requests or for reporting major system outages, students can reach SD by dialing 666.
- The Service Desk is available on weekdays from 8:30 AM to 5:30 PM, but can also be reached by phone on weekdays from 5:30 to 11:00 PM and on weekends, by dialing 666.
- All major incidents, system wide outages, and service changes are communicated in a timely manner through the ITS Ticketing System.

Maintenance Service

ITS provides a special, free service to all AUI students for the maintenance and troubleshooting of their personal computers' problems, namely those that are non-hardware. All students are welcome to open tickets and request maintenance of their personal computers through the ITS Ticketing System.

Computer Labs and Related Services

The University strives to create a computer lab environment that helps students carry out the educational and research mission of the University. Because computers are an essential tool for quality education, ITS operates and maintains a number of open, purpose-specific Computer Labs. All computers operate under both Windows10 and Linux environments, are kept up to date, and are equipped with several academic and entertainment software programs.

Student Digital Accounts

ITS provides users with digital accounts to be able to use the University IT Resources:

- Network Account: each student owns a digital account in AUI's digital domain. This account allows access to all computers in labs and provides each student with a personal, secure, and confidential storage space of 2 GB on a safe, backed-up server: the N-Drive. The same credentials are also used to access the Self-Printing Account user interface and the SD Account;
- Jenzabar Account to be used for the Academic ERP System; and
- Webmail Account to be used for the Email Messaging System.

Communication and Collaboration Services

ITS hosts and manages the AUI e-Mail messaging system. Each student has an AUI e-Mail account with a 100GB storage capacity. Data on this account is confidential and backed up daily. The AUI e-Mail messaging system provides timely synchronization between all the student's devices using the Outlook

Web App with a new and improved user interface and improved anti- malware and email security settings to keep your information safe.

Through this account, students have access to University announcements and news, can search for any other AUI member's e-mail by name, and can reach all members of the community via the "News" and "Events" e-channels.

Academic ERP System

The University owns and uses an Academic ERP (Enterprise Resource Planning) System, Jenzabar, for the management of students' academic and campus-related affairs. The system is a portal from which students may access all their academic and residential services. The main services offered by Jenzabar are:

- Enrolling in classes,
- Managing current courses,
- Viewing the course content and materials provided by professors,
- Submitting assignments,
- Viewing/reserving rooms,
- Viewing account information, and
- Viewing semester and general grade reports

Internet Access

The University owns a connection link of 2 Gbps. All dormitory rooms, classes, labs, library, and offices are equipped with wired and Wi-Fi connection. Wi-Fi connection is also available at all University indoor and outdoor areas, making Internet accessible at all University locations.

Phone Services

All University buildings, facilities, and dormitory rooms are equipped with phone sets connected to the University's internal phone network. Every phone line corresponds to a 4-digit number and can communicate, free of charge, with any other phone line in the network. All phone lines can accept external incoming calls.

Printing Services

The University provides a printing service, based on the Pay4Print System, for all its students. Each student has a printing account that can be paid for at the Business Office with the amount s/he needs. Printers compatible with this service can be found in the following locations:

- Lab 11 (1 Black/White and 1 color),
- Hall of building 11 (Black/White)
- Lab 7 (1 Black/White and 1 color),
- Library (Black/White and 1 color),
- Building 4 (1 Black/White and 1 color),
- Hall of building 5 (Black/White),
- Building 6 (Black/White printer),
- Building 8 (1 Black/White and 1 color),

- Lab 8B (1 Black/White), and
- Building 10 (Black/White printer).

Copy Center

The Copy Center, in Building 9, is a copying and printing service. As a customer-friendly service provider, the Copy Center meets the diverse needs of students, faculty, and departmental staff, with a time- and cost-efficient facility.

ITS Student Part-Time Job Opportunities

ITS offers students part-time jobs. Students are mainly employed as Service Desk officers providing first level support. All accepted part-timers benefit from training sessions on basic networking concepts and first level ITS support techniques.

Contact Information: www.aui.ma/its
Service Desk E-Mail: ITS-servicedesk@aui.ma
E-Ticket: http://aui.kayako.com
Phone: 666/2409/06 61 51 51 25.

Mohammed VI Library

The Mohammed VI Library (M6L), a premier English language library in Morocco, provides resources and services that contribute to the achievement of the University's goals. It provides first class student- and faculty-centered services and resources to enhance both the learning experience of students and the teaching and research experience of faculty. The M6L provides year-round Information Literacy workshops, one-on-one trainings, and course guides for students and faculty for further learning and teaching. It engages its stakeholders through Faculty Outreach Initiatives to build and curate collections that serve the community's teaching and research needs. The M6L supports the University community by providing spaces for collaborative learning and individual reflection, including quiet study areas, Active Learning Spaces available to students by reservation, and additional spaces for workshops, training, and lectures. It offers on-site copying, printing, and scanning facilities. The M6L also oversees the order, distribution, and integration of electronic course texts for the University through the Bookstore.

The M6L currently offers access to over 100,000 print volumes and over 250,000 e-books, in addition to tens of thousands of other electronic resources, including e-journals and databases. These resources are accessible to the AUI community from anywhere through the library web page: http://www.aui.ma/library/. The physical resources are accessible daily, except holidays, for up to 16 hours or longer prior to exam time. Its open book stacks encourage browsing, with long-term borrowing arrangements for faculty and graduate students. The M6L is also open by request to outside national and international researchers who wish to access its facilities and use its resources. To request permission to access and use library resources, please contact the library at circulation@aui.ma. The M6L is a founding member of AMICAL, a consortium of libraries of 28 American-style international universities, and a founding member of the *Catalogue des bibliothèques du Maroc*, and the *Réseau de Centres de documentation virtuels sur le développement humain (RCDV-DH)*.

Academic Advising for Freshmen

Upon joining Al Akhawayn University, each freshman student is assigned a faculty advisor from his or her respective school. The main objective of academic advising is to ensure that students take the right courses in the appropriate sequence. The role of the advisor is to discuss with the student his/her choice of major, study plan, and concerns regarding courses and workload. The advisor answers questions and provides guidance or help when needed.

Career Services and Alumni Affairs Office

The mission of Career Services is to help students and recent graduates of the University identify and fulfill their career goals.

The Career Services Office objective is to assist students and alumni on their

Career planning and development and promote the AUI profile among recruiters. The office provides the following services:

1. Career Readiness Program
2. One-on-one Career Counseling Sessions for students and alumni
3. CV Review for students and alumni
4. Mock interviews for students and alumni
5. Job/Internship openings for students and alumni
6. Opening dissemination & Profile selection for companies and organizations
7. Presentation organization for companies on campus
8. Career & Alumni Events

Tutoring Services

Private tutoring is offered in the Center for Learning Excellence by request through Kudos. Students can request private tutoring to clarify course concepts, discuss book chapters, or prepare for quizzes and exams. Private tutoring is free of charge. The students are encouraged to make use of this service to try to improve their grades and get a better grasp of the course material. However, these private tutoring sessions are not meant to solve class assignments, homework, or projects; the CLE provides the tools for students to use throughout and beyond their education at AUI.

Group tutoring sessions consist of practice and problem-solving with the assistance of a tutor. Group tutoring sessions can be organized by the professor of a specific class in order to further support their students. Practice exercises will be suggested by the faculty teaching the course. Students may suggest an exercise they would like to work on, but it must be approved by the tutor first.

Mentoring Services:

The Center for Learning Excellence is the first to introduce full peer-to-peer mentoring services at Al Akhawayn University. Each student is assigned a mentor during their first semester. The students meet with their mentors throughout the semester to share their concerns, seek advice, and to learn several mechanisms in order to adjust to AUI. The mentors are responsible for providing accurate information to the students to orient them towards the appropriate entity or to help them succeed physically and emotionally in their education. The experience our students have gained by being at Al Akhawayn University is priceless; hence, we want them to share as much as possible with their schoolmates through the mentoring services.

Inclusion:

In order to promote equality among its community members through inclusive practices school-wide and to eliminate any discrimination, Al Akhawayn University in Ifrane, through the Center for Learning Excellence (CLE), welcomes students with cognitive or behavioral difficulties and offers flexible support services tailored to their particular needs.

To seek assistance, the Inclusion Team strongly recommends students contact

them and inform them about difficulties and support needs. Students need to fill out a confidential form through the online platform Kudos.aui.ma to inform the Inclusion Team of their Specific Learning Difference (SLDs), such as:

- Dyslexia,
- Dyspraxia,
- Dyscalculia,
- Attention Deficit Hyperactivity Disorder (ADHD), or
- Other learning difficulties.

Filling out the form will allow the team to acquire information about the student's support needs and give them background information before contacting the student for an appointment. Any provided information is kept strictly confidential and solely used to support student learning.

Tutoring Services for Freshmen Students on Academic Probation:

In order to increase student success, take responsibility for one's learning, and ensure complete understanding concerning tutoring services, students on the "at risk" list sign an agreement with the CLE to ensure their involvement. We offer a wide selection of course tutoring, in addition to individual attention and assistance. We empower students to become independent learners by helping them develop study skills. The CLE also provides a supportive environment where students can become more self-confident about their own capabilities. The CLE also tracks the attendance for students on academic probation.

Academic Probation Fees:

A student under academic probation will be charged a 2,500 MAD student support services fee for each semester, until he or she attains the Good Standing (GS) status. Once the student under probation achieves the GS status, she or he will no longer be charged the 2,500 MAD. If, however, the student loses the GS status after they are cleared, the 2,500 MAD will be reinstated, and other academic probationary measures may be taken.

Office of International Programs

AUI is, by design and mission, an international university. The university's mission and programs foster an international perspective and international understanding. To that end, the Office of International Programs promotes and advances the internationalization of AUI at all levels. Some of the key functions of the OIP include: Exchange and study abroad programs; international sponsored projects and scholarships, in collaboration with the Office of Sponsored Projects; and supporting international researchers and students.

Exchange and Study Abroad Programs

Studying abroad is a key part of most AUI students' experience, and there are several ways to engage with these opportunities. Among the study abroad programs available to students, exchange programs are the most popular and are designed primarily for undergraduate students to exchange places with students from other institutions with which the university has signed agreements stipulating student payment requirements to the home and host institutions. The exchange is generally for one semester, although there are

exceptions. Study abroad opportunities and programs have also been established, though in a limited form, for graduate students.

Students can also study abroad via planned educational leave (PEL), in which they apply to and pay approved host institutions directly.

Transfer of Credits

For all study abroad programs, the credits that a student obtains at the host university can be transferred to equivalent courses at AUI, provided that the student enrolls in courses for which approval from the appropriate AUI school had been given. Programs have different criteria, and students are encouraged to read the announcements and plan carefully for their international study experience.

REGISTRATION REGULATIONS

A student is officially enrolled and eligible to attend classes upon registering for courses and paying tuition and fees. Below are some of the major events and terms that students need to understand.

New Student Orientation

Students who are admitted to the University for the Initial Enrollment must attend the orientation sessions held before the first day of classes. During orientation, students are introduced to campus facilities and services, assigned a mentor, given an e-mail account, and provided instructions for course registration procedures.

First-Year Experience Program

The First-Year Experience Program (FYE) at AUI is developed by the Division of Student Affairs to help students make a successful transition to college life and learning while engaging in the mission of the university. The FYE consists of selected readings of relevant literature during the summer, a series of courses and academic experiences, residential experiences, and a series of events and programs throughout the first year. FYE starts with a mandatory comprehensive orientation, whose primary objective is to introduce incoming students to the AUI community through educational and recreational programs.

During the fall and spring semesters, all incoming students will register in a Pass/Fail, one-credit Seminar (FYE 1101, FYE 1102). The FYE Seminars consist of a series of informative forums developed by the Division of Student Affairs, in collaboration with Academic Affairs. Incoming students will pay 2,500 MAD to cover orientation and program fees. They will also pay 2100 MAD for each of the one-credit Seminars.

Academic Advising

A faculty advisor will assist in curriculum planning, as well as other matters related to the degree to be earned. This process helps to ensure that AUI students will graduate with their entering class. Students must obtain written permission from their advisor and coordinator to enroll in each course. The approved schedule is presented during pre-registration or registration.

Preregistration

Pre-Registration periods are published in the academic calendar. Pre-registration is mandatory for all continuing students.

Regular Registration

Registration and late registration dates are published in this catalog and in the Academic Calendar. Students may register for classes on the regularly scheduled registration dates through the end of the Add/Drop period (4th class day in regular semesters and 2nd class day in summer sessions). Students must confirm registration during the online period before registration closes. If a student fails to confirm registration according to the schedule, a 1,500 MAD

late registration fee will be assessed for late registration. Students must be officially enrolled at AUI during the semester in which they graduate. Students enrolling late in a course should not expect special make-up assistance from the instructor.

Late Registration

For the purpose of the fee assessment, late registration is defined as the period between the first day of classes and the last day of add/drop. Students may not register for classes after the last day of late registration.

Class Day

The class day begins at 8:00 and usually ends at 21:30, except during Ramadan and finals exam week, when the day may end later. During Ramadan, students are given a two-hour break in the evening to allow time for breaking the fast (Ftor). Classes scheduled during this period are moved to a later time.

Semester Credit Hour

The Semester Credit Hour (SCH) is a unit of measure representing an hour (50 minutes) of instruction over a 15-week period in a Fall/Spring Semester or a 6-week period in Summer Semester. Most classes are for 3 SCH, which means that students have 3 contact hours with an instructor each week. Students can expect that each credit hour will include two or more hours of assigned outside class work for every hour of in-class contact.

Prerequisites

A prerequisite is a condition (either a course or classification) which must be satisfied prior to enrolling for the course in question. Pre-requisites are listed below the course title in the catalog course descriptions.

Academic Calendar

AUI operates on an academic calendar that consists of two semesters, one summer session, and three intersessions. Each semester is fifteen weeks (70 to 75 class days) in length. Summer terms are usually scheduled for a six-week period (30 class days). Each intersession is ten days in length.

Enrollment Certificates

Enrollment certificates are official documents attesting that a student is officially enrolled at AUI. Enrollment certificate requests are processed by Enrollment Services following the last day of late registration. The University will not certify a student's enrollment prior to the 4th class day of a regular term nor prior to the 2nd class day of a summer session, neither will it certify a student's enrollment if the student has "preregistered." Enrollment certificates are available online in English and French to enrolled students after the last day of add-drop. There will be an added 5 MAD charge for FAX or mailing requests within Morocco.

Student Transcripts

Signed AUI transcripts are the official records accepted by other educational institutions. Transcripts are available from Enrollment Services. Under normal circumstances, requests for transcripts are processed within two working days of receipt by Enrollment Services. An additional charge of 60 MAD applies for same-day requests. Requests received during periods of registration, final examinations and school holidays will be delayed by a few additional days.

Transcript requests are delivered only to students in good financial standing with the University. Requests from students on financial hold cannot be processed until the bill has been paid and the Business Office has notified Enrollment Services of payment.

Transcripts are sent only at the written request of the student. A flat 40 MAD fee is charged for each transcript.

Certificate of Completion

The Certificate of Completion is an official document attesting that the student has fulfilled all the academic requirements for a bachelor's or a master's degree. The Certificate of Completion is issued only once. It may not be issued once the diploma has been delivered.

Name Change of Current Students

Current students may request changing their names based on a legal document from a certified copy of a court order reflecting the new name.

Legal documentation must be presented with the completed Name Change Request Form (available at the Registrar's Office) in order to alter the student's name as it appears on the original application for admission to AUI.

A name change may be processed either in person, at the Registrar's Office, or through the mail once the necessary documentation is submitted.

If a student requests a name change, the change will be processed at the end of the semester or the session as confusion could occur during the grading process.

The University policy prohibits name changes to student records after graduation.

Death of a Current Student

This policy applies to all current student deaths that occur outside University-controlled locations, and the full policy will be published in the Manual of Procedures of the Division of Student Affairs. After being notified of the death of a current student, the Office of the Dean of Student Affairs shall make the announcement based on an official death certificate received from the student's family to confirm the death and inform the appropriate units so they can execute the necessary procedures, as outlined in the Manual of Procedures of the DSA.

The deceased student will be dropped from the courses they were registered or pre-registered for and insert the new status of the student in the system. A credit on their balance and any tuition paid for that semester will be reimbursed.

The education records of the deceased student will be closed, but a transcript may be released or disclosed, upon written request, to a parent, legal guardian, a spouse, siblings, and descendants, or pursuant to a court order. The person requesting the transcript of a deceased student must request it in writing to the Office of the University Registrar and provide the following information:

- The student's name;
- The student's date of birth;
- Death Certificate; and
- Official proof of familial relationship or legal right to request, such as a birth certificate which indicates the requesting individual is the mother, father, son, or daughter of the deceased student, or a marriage license, adoption decree, or court order.

The University reserves the right to change University rules, policies, fees, and academic requirements. The University also reserves the right to make changes in the offered programs whenever circumstances require such changes.

Attendance

Attendance Policy

Regular attendance and participation in all class meetings in which a student is registered is expected. Beyond merely attending each class, students are expected to participate actively and not remain passive learners. It is the instructor's responsibility to set, and to communicate to students, the participation requirements for each course. Except for excused absences authorized by the University, the degree to which classroom participation is required and whether work missed by a student during an absence may be made up is at the discretion of the instructor. In addition, specific attendance requirements and absence policies apply in the different language courses offered by the Language Center. Students should check with the administration of the center and with their instructors for details.

Studies have shown that attendance is a key factor in academic success. Any absence, regardless of the reason, will prevent the student from getting the full benefits of the course. Therefore, students should be aware of the consequences of poor attendance, recognize the advantages of class attendance and punctuality, and consider it a personal responsibility.

Policies

Attendance is controlled by faculty members.

1. Excused Absences

Students may be authorized by instructors to be absent from class for institutional reasons as specified in the External Events and Field Trips sections below. However, the instructor may deny the student permission to be absent if the student's academic performance is not judged to be adequate. Once approved, these absences should not count in the student's absence record. Instructors should be informed before the absence to agree with the student on a suitable time and manner for a makeup, should it be necessary. A maximum of three of these absences per semester may be authorized.

1.1 External Events

The student must submit a completed and signed form from the Student Activities Office, the Athletic Department, or the Dean for Student Affairs (DSA) to the instructor. Examples of these absences include participation in University-sponsored sports, cultural, or other events as a University representative.

1.2 Field Trips

Participation in a field trip as part of a class requirement or as authorized by

the Dean: the Deans' assistant of the school offering or authorizing the trip should sign the absence request form.

1.3 Death in the Family

In the event of a death in the family, students are allowed three days to mourn the death of a member of their immediate family such as spouse, father, mother, brother, sister, son, or daughter. For a grandparent, the period is two days. As for other relatives such as an uncle, aunt, cousin, or other close family member, the student is allowed one day only. However, consideration is given to those students who must travel long distances. All students must provide justification, such as a copy of the death certificate to the Office of the Dean for Student Affairs, who in turn informs the concerned faculty members.

1.4 Illness

In case of protracted illness or emergency hospitalization, students must fax supporting documents to the DSA's Office within 48 hours. If necessary, the DSA's Office will then inform faculty members of the situation.

As for short illnesses, students must produce a medical certificate from the AUI health center to be signed at the DSA's office. The certificate is then presented to the professors concerned.

No other exceptions will be authorized. Students should be prepared for absences due to personal or family reasons.

N.B. Outdated certificates shall not be accepted by the Health Center. All absences are recorded by faculty until the student returns. Students must submit all medical documents to the University Health Center for validation. Please note that extended illness may invalidate the semester. Please note that visa appointments, Driver's License exams, or any other similar events shall be deduced from the authorized number of absences allowed during the semester/session.

2. Ceilings before a WF is assigned

When a student exceeds the ceiling given below, the instructor may sign an administrative withdrawal form for the following classes:

2.1 Classes that meet once a week, the ceiling is set at 3 absences per semester.

2.2 Classes that meet twice a week, the ceiling is set at 5 absences per semester

2.3 Classes that meet three times a week, the ceiling is set at 7 absences per semester

2.4 Classes that meet five times a week, the ceiling is set at 7 absences per semester

2.5 For summer classes, the ceiling is set at 5 absences for the session.

3. Pre-authorized Absences

Notification of planned absences using the Absence Request Form available at the Student Activities Office must be delivered to the instructor, with permission signed and dated by the instructor. Once notified of a planned absence, the instructor should inform the student of the deadline for completion

of any missed assignment or examination where applicable. Make-up examinations, if necessary and acceptable to the instructor, shall be at a time and place mutually agreed upon by the instructor and student.

3.1 Faculty members are responsible for recording absences in the system. Faculty can configure the system so that a warning e-mail will be automatically generated and sent to students when a certain number of absences is reached.

3.2 During the Add and Drop period, no absence is accepted in a course; add and drop should be done outside class time.

3.3 In case of a late registration, students assume full responsibility for their absences as recorded from the first day of classes.

Administrative Withdrawal

When a student has exceeded the maximum number of absences according to the mentioned ceiling (except as stated in the External Events and Field Trips sections), the instructor has the right to drop a student from a course with a "WF" grade.

Once WF is assigned for excessive absences, a student will not be allowed to drop the course with W during the period indicated in the academic calendar.

Special hardship cases as stated in 1.3 and 1.4 may be referred to the Dean of Student Affairs or to the Dean/Directors for consideration. The Administrative Withdrawal Form must reach the Registrar's Office at least five days before the start of final exams.

Adding/Dropping Courses

Dropping courses should not be confused with withdrawing from all courses. Students may add and/or drop courses during the course add/drop period specified in the academic calendar. Students in good academic standing with no holds on their account should proceed to add/drop online. However, students with academic or other holds must go to the registrar's office and complete an Add/Drop Form before they can begin the process. All students must have permission from their advisors and school coordinators to drop or add a course unless the course(s) being added was/were included in the registration form under "alternate courses." The adding and/or dropping of courses is not official until all applicable tuition and fees have been paid to the University.

Neither faculty, nor friends or relatives, may drop or add courses for a student. Courses dropped within the official add/drop period (4th class day in regular term and 2nd class day in summer) are not reflected on the academic record. Failure to attend a class without dropping will result in a failing grade of WF on the academic record.

Although no refund will be given up to the 40th class day of the regular semester and up to 18 class days of the summer session (refer to academic calendar for published dates), students may drop one or more courses and receive a grade of W. This becomes part of the student's academic record. After that period, instructors have the responsibility of determining the grade based on classroom performance up to the time of the student's request to

withdraw from the course. Faculty must assign either a grade of WP (at the time of withdrawing), or WF (if failing). This process is complete only when the form bearing all required signatures is returned to the Registrar's office.

Students may withdraw from all classes after the last date to drop/add courses with permission from their dean or permission from the Language Center director, if they are enrolled in the Language Center modules only. For refund dates, see the Refund Policy in the Tuition, Fees, and Deposits section of the catalog.

Withdrawing from the University

Withdrawing from the University should not be confused with dropping one or more courses while remaining enrolled in others. Students desiring to drop every course in which they are enrolled are considered to be withdrawing. Students who officially withdraw from the University prior to mid-semester will have the grade of W recorded on the transcript. Students wishing to withdraw after mid-semester may do so with the permission of their dean and will receive the grade of WP (if passing at the time of withdrawal) or WF, if failing in their respective courses. Instructors have the responsibility to determine the grade based on classroom performance up to the time of the student's request to withdraw from the University.

Students initiate the withdrawal process in the Registrar's Office. The process is complete only when the form, bearing all required signatures, is returned to the Registrar's Office by the deadline posted on the Academic calendar (5 days prior to the final exams). Students who cease to attend classes without officially withdrawing will receive an F in all the courses for which they are registered. Students who officially or unofficially withdraw from the University while owing money to AUI will receive neither their academic transcripts, nor their official documents until the debt has been settled in full.

Retroactive Withdrawal

A retroactive withdrawal is a late drop request made during a semester. It is a procedure that permits a student to drop all the courses that she/he is registered for after the last day to officially drop in a given semester. The University guidelines for the approval of such an extraordinary action require a student to prove, with supporting documents, that conditions of a medical or psychological nature, and/or hardship occurred during the semester in question that

1. Had a serious and negative impact on the student's academic performance.
2. Had been reasonably unforeseeable and unavoidable before the last day to officially drop classes.

A student may request retroactive withdrawal from all courses taken during a given semester or term by filling out a Retroactive Withdrawal Form. This petition must be accompanied by adequate documentation and bear all required signatures (the physician's confirmation of the student's health conditions, school dean, DSA, and VPAA). If the retroactive withdrawal request is approved, the student will be withdrawn from all courses taken that semester with W. The W will indicate a late withdrawal, but will not affect the student's

GPA.

Requests to consider a retroactive withdrawal cannot be accepted after the last day to drop classes with WP or WF (refer to the academic calendar).

Semester Off

A student who decides to take one semester off for financial or personal reasons is not considered to have withdrawn from the University. However, s/he must inform the university, in writing, of the reason for the interruption in studies and the anticipated date of return. The form for requesting a semester off is available from the Registrar's Office. If the student does not return after one semester as planned, s/he will lose standing as a continuing student and will have to go through the readmission process. In the case of one academic year off, the student must complete the readmission application. Should the student remain out for more than one academic year, re-application for admission will be required.

Planned Educational Leave

Planned Educational Leaves (PEL) for a maximum of two consecutive semesters may be granted to students who are in good standing at AUI. The University will anticipate the return of students based on the semester indicated on the PEL Application. No additional notification or application is required if the student returns as planned.

Students planning educational leaves are required to make a preregistration deposit. The preregistration deposit will be credited against the student's fees for the semester of planned return. If the student does not return as planned, the preregistration fee will be forfeited and the student will lose standing as a continuing student. In such a case, re-application for admission will be required.

The deadline to submit the application is the last day of the add/drop period of the semester for which leave is requested. Applications for planned educational leave may be obtained from the OIP Office.

Change of Degree Program

Requests to change a degree program shall be made, in writing, using the Change of Major Form available at the Registrar's Office. The change must be approved by the student's current and future academic deans. Change of degree program approvals granted during the course of a semester or session are effective after the end of the current academic term. Requests for a change of degree program may be received before the start of the mid-term break or after the end of final exams. Decisions are communicated before preregistration and before add/drop periods. This allows time for the future academic dean to review the student's file and make a decision prior to the beginning of the subsequent term. Only students possessing a satisfactory standing can be approved for the change of degree program. Changes initiated during either preregistration or registration periods are not processed until the conclusion of such periods.

Credit for Online Courses

AUI students may transfer approved credits from online, hybrid, e-learning, blended, or comparable courses taken at recognized partner institutions.

AUI students who wish to enroll for credits in online, hybrid, e-learning, blended, or comparable courses must have their choices pre-approved by their respective school using the course approval process of the Office of International Programs. Only courses in which a minimum grade of “C-” or higher is earned will be considered for transfer, and course work must be completed at an accredited institution where it is being offered for credit to its own students. Requests to approve new online course providers is managed by the Office of International Programs. Transfer of online graduate level courses and/or undergraduate concentration and major core courses is not permitted.

Intersession Courses

Intersession courses are a new initiative at AUI which allows students to take, between semesters, one class in a shorter, accelerated period of time. Courses are offered on campus and run for two weeks, on average. These courses are open to both AUI students and international students. To enroll, AUI students must be in good academic standing and must apply directly via enrolment services. Cross-institutional students must meet prerequisites and English language requirements, or any special entry requirements for their chosen course. They should apply through the Office of International Programs (OIP) by providing a letter of motivation and transcript.

Academic Integrity

It is the aim of the faculty to foster a spirit of honesty and a high standard of integrity. The instructor of a course is responsible for initiating action against dishonesty or plagiarism that occurs in class. In cases of convincing evidence of academic dishonesty such as cheating, plagiarism, or falsification, an instructor should take appropriate action. Before taking such action, however, the instructor should attempt to discuss the matter with the student.

Cheating

Complete honesty is required of students in the presentation of any phase of course work as their own. This applies to quizzes of any length, as well as to all examinations, daily reports, lab work, and term papers. Instances of cheating include, but are not limited to:

- Dishonesty on examinations and quizzes or on written assignments,
- Illegal possession of examinations,
- The use of unauthorized notes during an examination or quiz,
- Information obtained from the examination paper or from another student,
- Collaboration with other students in cheating,
- Alteration of grade records, and
- Illegal entry into or unauthorized presence in an office.

Plagiarism

Any attempt by students to present another person's words, content or ideas as their own is regarded by the faculty and administration as a most serious offense. Offenders are subject to serious consequences, including possible expulsion.

Writers, artists, and all others involved in creative endeavors must always make a clear distinction between what words, images, ideas, and arguments are original to them; and what words, images, ideas, and arguments are borrowed (taken) from the work of others. Failure to disclose this distinction to readers/viewers of one's creative work, via citations, footnotes, and proper attributions (no matter how small or large, how formal or informal the work) constitutes plagiarism.

Several courses at AUI teach undergraduate students the formalities of properly crediting sources in their work. Some graduate programs teach these formalities as well. When members of the AUI community – faculty, staff, administration, or student – doubt the legitimacy of someone's work regarding the requirements for crediting sources, they may consult reference books in the main office of their academic or support unit. Faculty members are expected to make their practices clear to their students, and unit heads to their staff. In addition, it is the general policy of the University that willfully ignoring the principle of academic honesty – once taught – and the formalities regarding citation for one's discipline, will result in heavy penalties, including failure in a course, suspension from the university, or expulsion.

Falsifying Documents

Any attempt to forge or alter academic documents, transcripts, grade reports, letters of recommendation, certificates of enrollment, registration forms, add/ drop forms, medical certification of absence, or any other document submitted to the University for an administrative procedure is subject to disciplinary action.

Disciplinary Dismissal

Students may be expelled from the University in case of serious violation of University regulations. In such cases, a grade of WF is given for all courses taken by the student and this becomes part of the student's permanent record. Any student's appeal of the disciplinary committee's decision should be addressed to the President of the University. The President's decision is final.

Release of Information from Educational Records

Release of records without a student request or approval is expressly forbidden, except to legally authorized persons or organizations, or to financial aid officers or representatives of agencies administering financial aid grants for which the student applies or holds.

Information may be released in legitimate emergencies involving student health and safety, provided that due consideration is given to 1) the seriousness of the threat, 2) the necessity of accessing records in dealing with the emergency, 3) the ability of the person to whom the release is made to deal

with the emergency, and 4) the extent to which time may be a factor in the emergency. Responsibility for the release of such personal information is carried by the President of the University, who may delegate such authority to the Vice President for Academic Affairs.

Final Examinations

Final examinations are scheduled at the end of each semester/session. All courses offered for credit require a final examination. In some courses, a common final examination is given to students enrolled in different sections of the course. Final examinations are given only at the times announced in the final exam schedule. Exceptions must be approved in advance by the Academic Dean. Examinations administered throughout the semester are at the discretion of the professor, but courses typically require a mid-term examination.

Grading Policy

A grade is assigned for all courses in which a student is regularly enrolled during any semester or summer term. A passing grade may be earned only if the student is enrolled for the full length of the course, and a grade, once given, may not be changed without the approval of the Instructor, the Dean, and the Vice President for Academic Affairs.

The instructor determines all grades for a course. The method of determining a grade will be included in the course syllabus, which is presented to students at the beginning of the semester. Students will receive a semester grade report after the close of each term. The semester grade indicated on the student's transcript is a combination of grades given for class work, tests, assigned papers, laboratory performance, and the final examination.

Letter Grade Equivalents to Grade Points and Percentages

Letter Grades	Grade Points	Percentages
A+	4.00	97 - 100
A	4.00	93 - 96
A-	3.67	90 - 92
B+	3.33	87 - 89
B	3.00	83 - 86
B-	2.67	80 - 82
C+	2.33	77 - 79
C	2.00	73 - 76
C-	1.67	70 - 72
D+	1.33	67 - 69
D	1.00	60 - 66

F	0.00	Below 60

Semester Grade Point Average (SGPA)

The quality points earned are calculated by multiplying the number of credits attempted by the value assigned to the grade earned. The GPA is obtained by dividing the total number of quality points earned by the number of credits attempted.

Example of GPA calculation[1]

Subject	SCH Value	Final Grade	Value of the Grade	Quality points Earned
History	3	B	3	3 x 3 = 9
Chemistry	4	C+	2.33	4 x 2.33 = 9.32
Accounting	3	A	4	3 x 4 = 12
Management	3	B-	2.67	3 x 2.67 = 8.01
Calculus	3	B	3	3 x 3 = 9
Totals	16			47.33

[1]The stated formula applies **unless** a student has been awarded a W or WF (see pg. 100)

Total Quality Points / Credits Attempted = 47.33 / 16 = **GPA 2.95**

Cumulative Grade Point Average (CGPA)

Like the GPA, the CGPA is calculated by dividing the total number of quality points by the total number of credits attempted. However, the CGPA is calculated from all attempted credits and quality points accumulated during attendance at AUI rather than those of a single semester. The CGPA used for most records is based on the total grade points earned in attendance at AUI.

Regular Letter Grades

Grades are based on the four-point GPA system according to demonstrated performance and skill levels.

A+, A, A- Indicate excellent achievement demonstrated by 1) competency and accuracy of knowledge, 2) sustained and effective use of knowledge, 3) independence of work, and 4) originality.

B+, B, B- Indicate high achievement in the factors listed under the A grades.

C+, C Indicate acceptable performance in 1) familiarity with the content of the course 2) evidence of growth in actual use of content, and 3) full participation in the work of the class.

C- Indicates the lowest passing grade.

D+, D Not acceptable in the major, minor, core, or FAS courses. Only one D may be accepted in an elective in the student's undergraduate studies.

F Indicates failure either on a letter grade basis or on a Pass/Fail

basis (Grade points 0.00). An F is not computed in the GPA if the course is successfully repeated.

P Indicates "pass" on the Pass/Fail system: awarded for the achievement of the minimal objectives of the course and acceptable as transferable college credit but not directly comparable to grades on the regular letter-grade system. P is equivalent to grade C or better for undergraduate students and to grade B or better for graduate students. (Grade points not counted in GPA).

Undergraduate students may take as many as 6 SCH under the Pass/Fail system following the conditions below:

- Students should be in good academic standing and should have completed a minimum of 30 SCH.
- No courses may be taken Pass/Fail from the General Education Requirements, school, major concentration, or minor.
- Only electives may be taken under the Pass/Fail system.
- No more than one course per semester may be taken on a Pass/Fail basis.
- Once a student has decided to take a course on a Pass/Fail basis, it is not possible, under any circumstances, to record a letter grade for that course.

Other Grade Marks

Pass/Fail Grades

CR Indicates that the credits are earned to meet the language requirements and/or courses approved for credit from Advanced Placement (AP) exams.

AUI will consider awarding transfer credit for AP exams. The student should submit a transfer request with the AP grade report. Specific exams that have already been approved for transfer credit include:

- BIO 1400 – 4 on AP Biology 1, on the condition that the student takes 1 SCH Biology lab
- BIO 1401 – 4 on AP Biology 1, on the condition that the student takes 1 SCH Biology lab
- CHE 1400 – 4 on AP Chemistry, on the condition that the student takes 1 SCH Chemistry lab
- CHE 1401 – 4 on AP Chemistry, on the condition that the student takes 1 SCH Chemistry lab
- CSC 1401 – 3 on AP Computer Science A
- CSC 1402 – 3 on AP Computer Science A
- CSC 2303 (opportunity to test out early) – 4 or 5 on AP Computer Science A
- CSC 2309 (opportunity to test out early) - 4 or 5 on AP

Computer Science A

- MTH 1303 – 4 on AP Calculus AB
- PHY 1400 – 4 on AP Physics 1, on the condition that the student takes 1 SCH Physics lab
- PHY 1401 – 4 on AP Physics 1, on the condition that the student takes 1 SCH Physics lab

Audit

AU Indicates that the course was audited and not taken for credit. Instructor permission is required for a student to audit a course. Audited classes are not counted in GPA. Students who audit a course pay the standard course credit tuition. Once a student registers for an audit, it is not possible under any circumstances to record a letter grade for that course.

Credit by Examination

CRE Credit by Examination is assigned for both graduate students wishing to satisfy foundation courses and undergraduate students wishing to satisfy FAS courses and some General Education requirements courses* by passing a proficiency test. A minimum grade of B- is required for graduate students and a minimum grade of C- is required for undergraduate students (no effect on grade point average).

Students failing a class more than twice may test out for the course. The grade resulting from the test-out exam will be officially transferred to the student's transcript accordingly. In case the course has a lab component for which the student already has a passing grade, the student only needs to test out for the course content (without lab) and the final grade shall include the grade of the lab.

CRE shall be assigned before the last day of the add/drop period of the semester where the course to be tested out for was initially scheduled. *e.g., MTH 1305, MTH 1311 and CSC 1400

Grades Indicating Special Circumstances

IP Indicates that the thesis or final project is "In Progress" within normal time limits. Available only to graduate students. (Grade points not counted in GPA).

NPR Indicates that the course was not passed and subsequently replaced with another one.

PMC Indicates credits earned by a student before being matriculated.

W Indicates official withdrawal from a course or withdrawal from the University up to the 40th class day of a semester, or up to the 18th class day of a summer term (grade points not counted in GPA).

WF Indicates official withdrawal after the specified period for a W while having a failing grade, and/or for excessive absences. (Grade points: 0.00) Starting Fall 2016, a 'WF' can be assigned up to and including

the last day of class.

WP Indicates official withdrawal after the specified period for a W grade while having a passing grade, at the time of withdrawal from the course (grade points are not counted in GPA).

I Indicates incomplete work—used at the discretion of the instructor when a student has legitimate reasons for being unable to take the final exam or to submit a final project. Reasons may include:

- Illness (medical certificate to be given or validated by the university physicians)
- Accident
- Bereavement: first degree family member (death certificate required); any documentation should be submitted to the instructor within 48 hours prior to the exams and no later than the last day for faculty to submit grades (grade points not counted in GPA).

The Incomplete Work Report form must be submitted by the instructor to the school coordinator. This completed form should be submitted with the grade roster to the registrar.

The I grade may be used only if the student's prior performance and class attendance in the course have been satisfactory. *See procedure below for removing the I/Incomplete.

Removing the I (Incomplete) Grade

An "I" grade is reported when students have not met all requirements of a course by the end of the semester and the instructor considers the allowance of additional time to complete course requirements to be justified. When reporting a grade of "I," the instructor must complete an Incomplete Work Report specifying:

- The deficiency or the additional work to be done.
- The length of time allowed completing the work (no later than the last day of Add/Drop period of the subsequent semester, even if the student is not enrolled, summer session included.
- The grade that would have been earned at the time the course ended.

The grade of "I" may be changed only to A+, A, A-, B+, B, B-, C+, C, C-, D+, D, F or P for Pass/Fail courses. Should the conditions specified above not be met, the "I" will become an F. Extensions of time in case of merit may be granted by the respective Dean and notification must be forwarded to the Office of the Registrar.

The extension form, which is available at the Registrar's Office, should be duly completed and submitted to the Registrar's Office.

Grade Change

In general, all course grades are final when filed by the instructor in end-of-term course grade reports. Each student is notified of the grades earned during the term, and these grades become a part of the official record.

A change of grade may occur only when there is a clerical error: the instructor

re-evaluates the original course assignments of a student and discovers an error in the original evaluation. A clerical error is an error made by the instructor or an assistant in calculating or recording the grade. A change of grade shall not occur as a consequence of the acceptance of additional work or re-examination beyond the specified course requirements.

A request for a change of grade shall be initiated by the student and shall be directed to the instructor. If the instructor determines that there is a valid basis for change, a change of grade form shall be submitted by the instructor to the Dean of the School and the Vice President for Academic Affairs for approval and forwarded to the Office of the Registrar. Forms are not to be handled by the student.

The completed change of grade form must be returned to the Office of the Registrar within 60 calendar (class) days of the first day of classes of the regular semester that follows the award of the original grade. If the instructor determines that there is no valid basis for the change and denies the student's request, the instructor's decision is final.

Student Grade Appeal Procedure

In attempting to resolve any student grievance regarding grades, it is the obligation of the student to first make a serious effort to resolve the matter with the instructor involved in the grievance. Individual course instructors retain primary responsibility for assigning grades. The instructor's judgement is final unless compelling evidence shows discrimination, differential treatment, or procedural irregularities.

Grade appeals must be submitted in writing on an appeal form that is available in the Dean's office. The appeal must be submitted as soon as possible and no later than the end of the second week of classes of the following regular semester; otherwise, the student forfeits the right to appeal. The dean can either reject the appeal or allow it to be analyzed by a committee made of the school coordinator, the instructor of record, and the student's advisor. This committee might request the student to present further explanation, either in writing or orally. The committee makes its recommendation to the dean who communicates the final decision to the students and to the Registrar's office in case of a change of grade. In exceptional cases, and based on solid evidence, a student can appeal the decision of this committee to the dean, in which case the dean can again reject the student's request or agree to pursue it further. In case the dean finds convincing arguments to pursue the case, he/she appoints an ad hoc committee made of two faculty and two students and chaired by one of the faculty members. This committee can choose to request further clarifications either from the instructor of record or from the students or from both, either orally or in writing, and it makes its recommendation to the dean. The recommendation of the ad hoc committee is final and binding to all, and will be communicated to the dean.

The dean communicates the final decision to the student. If the grade needs to be changed as a result of this process, the dean communicates the grade change to the Registrar's office.

AL AKHAWAYN UNDERGRADUATE STUDIES

Undergraduate Academic Regulations

Student Classifications

Students are classified in accordance with the number of semester credit hours earned. "Hours earned" is interpreted as course hours at AUI, plus hours accepted in transfer from other institutions and/ or credit by examination.

Freshman	0-29 semester hours
Sophomore	30-59 semester hours
Junior	60-89 semester hours
Senior	90 or more semester hours

Student Responsibilities

Students are responsible for knowing degree requirements and for enrolling in courses that apply toward their degree program. Knowing University regulations pertinent to the standard of work required for continuation in undergraduate study is also the student's responsibility.

Academic Advising and Course Selection

Academic advisors assist students in preparing degree plans, approving the course schedules for each enrollment period, and facilitating solutions when academic problems arise. Although students are expected to avail themselves of academic advising whenever needed, each student assumes the final responsibility for the selection of courses to meet degree requirements.

The advisor and the school coordinator's approval are required for course registration: for adding, dropping, or changing courses, and for taking courses at other institutions. Regular consultations with advisors are recommended for all students and are required for undergraduate students placed on academic probation.

Full-Time Study

It is the student's responsibility to ensure that they are enrolled in a full-time program of study. Full time for undergraduate students means that they must maintain at least twelve (12) SCH during the fall or spring semesters unless

otherwise instructed or authorized by the school.

Students enrolled in a minimum of 12 SCH, whether they are Language Center Students or regular students, are subject to all University regulations regarding placement on the President's List, Dean's List, Probation, or an Unsatisfactory standing.

To help ensure that undergraduate students at AUI complete their degree programs within a reasonable amount of time, the University strongly recommends that students enroll each semester for at least 15 credit hours, and that they take additional courses in the summer session whenever they are offered.

Semester Credit Hour (SCH) Time Commitments

A semester credit hour or SCH is the unit of measure for credit purposes. The student is expected to spend approximately two hours preparing for each hour of lecture.

A student is considered to be making satisfactory progress toward a degree objective when he or she completes at least 12 SCH each semester and achieves the grade point average (GPA) required for his/her classification. Laboratory courses include at least two hours of laboratory time per week per semester credit hour earned. Independent study courses include content and requirements equivalent to a regular, organized course, but meeting times are arranged (TBA) by the instructor and the student.

Course Load Policy

Regular Semester Course Load

A normal course load per semester is five courses (12 to 17 semester credit hours for regular students).

Students in good academic standing with a Cumulative GPA of 3.00 may take six courses (up to 20 semester credit hours). Students with a CGPA of less than 3.00 may be allowed a sixth course with the approval of the program coordinator and the Dean of their school based on an evaluation of the student's academic performance.

Language Center students may not exceed a total of 23 hours of class per week. Language Center students taking Language Center modules and regular courses cannot exceed 13 SCH (five courses, including Language Center modules). While taking Language Center modules, students may also register for courses that do not require extensive writing skills, for example: ARB XXXX; MTH1388/1300/1303/1304; CSC 1300/1400/1401; CHE

1400/1401; PHY 1400/1401; BIO 1401; FRN 12XX. Other regular courses can be taken with the approval of the Advisor and the School Coordinator.

Summer Session Course Load

The maximum number of courses allowed are two courses (up to 7 SCH), including FAS and Language Center courses.

Students are not allowed to register for regular courses if they still need one or more Language Center courses to complete the LC requirements. If students are left with two LC courses, they can be allowed to register for one LC course

and one regular course and take the remaining LC course in the fall. AWG 1002 should be left as the last required course in the LC courses sequence.

Transfer Credits

Language courses taken outside AUI (Arabic, Amazigh, French, or Spanish) will not be transferred for credit, including elective credits.

Residency Requirements

Minimum Residency

The minimum residency requirement for the bachelor's degree is 4 semesters or at least 60 semester hours. Even though a student may meet the degree requirements before earning 60 semester hours in residence, the degree will not be awarded until 60 semester hours have been earned at AUI.

Maximum Residency

A student may fulfill the requirements of the catalog in force at the time of admission or in any catalog, when 12 semester credit hours have been attempted. All degree requirements must be met within six years of the catalog under which the student has selected to graduate. Courses older than six years must be reviewed by the school committee for validation towards degree requirements.

Applicability of Catalog Regulations

Students may obtain a degree according to the course requirements of the catalog in force at the time of admission to the University (so long as the courses required for the degree are still offered by the University) or of the course requirements of a later catalog in force during the period of enrollment. If a student drops out for more than two semesters and returns to AUI, s/he will need to graduate according to the catalog in force at the time of re-entrance. This regulation applies to degree requirements, but not to operating regulations, procedures, and fees. Students may also elect to graduate under the requirements of the catalog in effect at the time of graduation.

Second Bachelor's Degree

An individual who holds a bachelor's degree and wishes to receive a second bachelor's degree at AUI must meet all General Education requirements, School Core, or Major Core requirements (for BBA) of a student completing a first degree. These core requirements may be applied to the two degrees. However, the student must meet all mandatory requirements of the second degree, including internships, capstone, etc. In the process, s/he must complete a minimum of 30 additional credits. The minor earned for the first bachelor's degree may be applied to the second bachelor's degree if it is acceptable to the school offering the second bachelor's degree.

Grade Reports

The student grade report is a record of all course work for the semester taken at AUI. Final grade reports are posted on students' portals after the last day for faculty to submit grades as is indicated on the academic calendar. In addition,

faculty members assess student progress for the first half of the semester, and a mid-semester evaluation report is posted on students' portals.

Undergraduate students are considered to have a satisfactory academic standing if their GPAs are no less than 2.00 (C). For students registered in courses on a Pass/Fail basis, the GPA is calculated based on the conversion of the P/F to the letter grades. This GPA does not appear on students' transcripts.

Honor Roll

An undergraduate student who completes a semester schedule of at least 12 SCH, not counting Pass/Fail courses, with no grade lower than an A- is included on the President's List. A student who completes a semester of at least 12 SCH, not counting Pass/Fail courses, with a minimum grade point average of 3.5 and no grade lower than C is included on the Dean's List of the school offering the major. To be eligible for the honor rolls, a student cannot have any semester grades of I or WF.

Graduation

Applying for Graduation

Students expecting to graduate must complete an application for graduation after the Add/Drop period of the semester for which graduation is planned.

Graduation with Honors

AUI students who have completed a minimum of 60 semester credit hours at AUI may be eligible to graduate with honors. Only the record at AUI is used to determine eligibility for graduation with honors. This honor is noted on the student's diploma. Honors are awarded based on the following GPA scale:

3.25 - 3.49	Cum Laude (with honors)
3.50 - 3.64	Magna Cum Laude (with high honors)
3.65 - 4.00	Summa Cum Laude (with highest honors)

Diploma Delivery

Students who have fulfilled all academic requirements towards their degrees and have received final clearance from the Office of Business Services will receive their diplomas from Enrollment Services soon after the graduation ceremony.

Diplomas delivered to undergraduate students bear the official date of grade submission to the Office of the Registrar as published in the catalog. For graduate students, the diploma bears the date of the completion of the last requirement, which is usually the thesis defense. Should there be another requirement after the defense, the date of completion of that requirement is the official date the final grade is submitted to the Office of the Registrar.

If a student cannot be present at the graduation ceremony or cannot come to the University to collect his/her diploma, s/he may give power of attorney (procuration) to a legally responsible person who may collect the diploma on his or her behalf. The proxy must bear the signature of the graduate and be certified as true by one of the following:

- Moroccan authorities within Morocco
- Moroccan consular representation abroad
- A notary public

The person authorized to collect the diploma must come in person to the University and produce the following documents:

- The original of the proxy
- His/her national identity card or valid passport

Freshman Committee

In accordance with the policy of detecting academic problems early and taking remedial action, the Freshman Committee is set up to identify freshman students with academic problems and to take the necessary remedial steps to improve their performance.

Undergraduate students who have earned less than 30 credits are subject to the Freshman Committee regulations. A student is added to the "At Risk List" when his/her semester grade point average (SGPA) is less than 2.0 in the fall or spring semester.

Once a student earns 30 credits, he/she will be subjected to the probation regulations published in the catalog (cf. "Undergraduate Academic Regulations").

Freshman Committee Regulations

Students on the "At Risk List" are evaluated based on their academic performance. In the event of an appeal, the committee will also look at whether the student has met the requirements set by the committee at the beginning of the semester.

The following are the Freshman Committee Regulations that apply to students who are placed on the "At Risk List":

1. **Warning** means that the student is just below satisfactory academic performance (SGPA < 2.0 and or failing one to two courses)
2. **Strong Warning** means that the student is performing well below acceptable performance (SGPA < 2.0 and failing three or more courses)
3. **Last Chance** means that the student was previously given a warning but his/her SGPA is still below 2.0
4. **Under Watch** means the student has shown improvement for one semester. However, if the student's SGPA, at the end of the following semester, falls below 2.0, the previous status of the student (Warning, Strong Warning, or Last Chance) will be considered to issue a decision
5. **Dismissed** means the student has been given ample opportunity to improve but failed to do so.

A student's history on the "At Risk List" is cleared after earning 30 credits. Students dismissed by the Freshman Committee may reapply for readmission after one semester (see "Readmission Process"). Their file shall be forwarded to the Vice President for Student Affairs.

Important Note:

1. All Pass/Fail courses shall be converted to letter grades (A+, A, A-, B+, B, B-, C+, C, C-, D, F, or WF instead of P/F) to compute a virtual SGPA.
2. All students on the "At-Risk List" are required to complete 4 courses each semester.
3. Students may not withdraw from any course.
4. A failing grade means D, F, or WF.

Semester of Unsatisfactory Performance	Student Performance	Freshman Committee Decision	Enrollment Summer
First Semester on At-Risk List	SGPA < 2.0	Warning	Allowed
	SGPA < 2.0 and failing 1-2 courses		
	SGPA < 2.0 and failing 3 or more courses	Strong Warning	Not Allowed
If decision was Warning and...	SGPA ≥ 2.0	Under Watch	Allowed
	SGPA < 2.0	Last Chance	Not Allowed
	SGPA ≥ 2.0	Under Watch	Allowed
If Decision was Strong Warning and...	SGPA < 2.0	Dismissal (may appeal)	Not Allowed
	SGPA ≥ 2.9	Under Watch	Allowed
If Decision was Last Chance and...	SGPA < 2.0 and no failing grade	Under Watch	Allowed
	SGPA > 2.0 and CGPA ≥ 2.0 (at least 12 career* earned credits)	Semester Off	N/A
	SGPA < 2.0 and CGAP < 2.0	Dismissal	N/A

Probation Regulations and Procedures

These regulations and procedures are published to assist students by providing information essential to meeting University standards and to ensure progress when students perform at a low academic level. Every student is responsible for knowing these regulations.

Repeat Policy

All courses taken at AUI, whether passed or failed, remain a permanent part of the student's record. If a course is repeated, the highest grade earned is the grade used to compute the cumulative grade point average (CGPA) for all purposes. Repeated courses are counted only once for credit.

An undergraduate course in which a grade of C or higher has been earned may not be repeated for credit. A student may repeat any course in which a C-

or lower has been earned.

Normally a student is allowed to repeat a course only once. If a required course is failed a second time, a student may, after consulting with the advisor and the school coordinator, appeal to the school dean for permission to take the course a third time.

Academic Probation

Undergraduate students are placed on academic probation if their GPA falls between 1.5 and 1.99. This probationary status serves as a warning to students that their performance is below the level required. Students on academic probation may not exceed four courses (up to 13 semester hours) in the subsequent regular semester. To return to satisfactory standing at the end of this semester requires a semester GPA of 2.00 or greater. Performance in a summer session or intersession does not grant a return to a satisfactory standing. No notation of academic probation appears on the transcript.

Unsatisfactory Standing

Undergraduate students are considered to have an unsatisfactory standing if their semester GPA is less than 1.5. Students at this level must appeal and obtain special permission from the Committee on Student Standing before they can re-enroll. Students with an unsatisfactory standing may not exceed four courses (up to 13 semester hours) in the subsequent regular semester and may be limited to an even lighter load.

To return to a satisfactory standing at the end of the semester requires a semester GPA of 2.00 or greater. Performance in a summer session or intersession does not grant return to a satisfactory standing. No notation of academic probation appears on the transcript.

Academic Dismissal

Undergraduate students on academic probation have 2 semesters or 12 credits (whichever occurs first) to raise their GPA to 2.00. Failure to raise the GPA to 2.00 after 2 semesters on academic probation may result in suspension or dismissal from the University. Students not allowed to take a full load may refer to the Probation Regulations and Procedures table for details. In cases of extenuating circumstances, students may appeal their suspension or dismissal. Students on probation who fail to achieve a semester GPA of 2.00 in any two semesters (not necessarily consecutive) are subject to dismissal. Probation semesters are cumulative. However, the probationary history is cleared after 2 semesters in good academic standing with a full load minimum of 12 SCH (summer session/intersession are excluded).

Suspension following Continuous Probation

Students on continuous probation are subject to suspension if they do not return to good academic standing after being on a reduced academic load. A suspension period is applicable during Fall/Spring semester.

However, if the suspension decision occurs after a spring semester, students may appeal the suspension for fall and request permission to register for summer or intersession. In these circumstances, they can demonstrate their ability to perform well academically by registering and passing one of the

following:

- Two offered courses that fulfill the student's degree requirement (If no courses that meet the student's degree requirement are offered, the student may choose electives or any other two courses that will be computed in the CGPA).
- An individual project with a faculty member who agrees to supervise during the summer session and subsequently evaluates the student's performance.

At the end of the summer, the Academic Appeals Committee will evaluate a student's appeal to register for the fall semester.

Should the appeal to register be rejected, the suspension will apply for the fall semester and the student will have to do an internship and submit the following at the end of the suspension period:

- An appeal letter with a self-diagnosis and planned strategy for success should the appeal be accepted,
- An Internship Report,
- An Internship Evaluation from the training supervisor.

The Committee on Academic Standing will examine the appeal file, determine if the student meets the criteria for eligibility, and make a determination.

Readmission after Suspension

Readmission after suspension is not guaranteed. The student must appeal and obtain special permission from the Committee on Academic Standing, the dean of his/her school, and the VPAA before re-enrolling. The student must show evidence that they meet AUI standards. As indicated above, the student must present their self-diagnosis and a strategy for success. The Committee on Academic Standing will then examine the student's file for eligibility.

Returning to Satisfactory Standing

Undergraduate students who are on academic probation or have an unsatisfactory standing can only return to a regular standing once they complete a semester with a load of 12 SCH and a minimum SGPA of 2.00.

Probation semesters are cumulative. However, the probationary history is cleared after two semesters in good academic standing (summer session and intersession are excluded).

Summary of Probation Regulations and Procedures

Semester Status Based on Student Performance	Academic Decision Fall/Spring	Enrollment for Summer/ Intersession
GPA 1.5 - 1.99: First Probation	Warning, load reduction to 4 courses (12 or 13 SCH)	Allowed to register
GPA < 1.5: First unsatisfactory standing	Appeal for permission required to register. If granted, load reduction to either 3 or 4 courses (up to 10 or 13 SCH, respectively)	Appeal for permission required to register

GPA < 2.00 after being on probation/ unsatisfactory standing during one of the last three semesters: Second probation or unsatisfactory standing	Appeal for permission required to register. If granted: 1) if probationary status is offered in two non-consecutive semesters, load reduction decided by the committee: either 3 or 4 courses (up to 10 or 13 SCH respectively) and tutoring required; 2) if probationary status occurs in two consecutive semesters, load reduction decided by the committee: 3 courses (up to 10 SCH) and tutoring required.	If permission is granted, student may register. If not, not allowed to register
Continuous probation with a GPA < 2.00	If CGPA is 2.0 or higher, suspension with possibility to appeal. If CGPA is below 2.0, suspension with no possibility to appeal.	Students permitted to enroll in summer/ intersession courses may have their summer or intersession academic progress considered in their appeals for release from fall suspension.
Continuous probation after returning from suspension period	If CGPA is 2.0 or higher, suspension with no possibility to appeal If CGPA is below 2.0, dismissal with no possibility to appeal	Not allowed, even if the student considers appealing the dismissal decision

UNIVERSITY HONORS PROGRAM

The University Honors Program at Al Akhawayn University is an academic unit under the Academic Affairs Office. Designed for students who want to satisfy their intellectual curiosity, the program attracts highly ethical, academically qualified, and self-motivated students seeking an enriched undergraduate education. The program offers an innovative, interdisciplinary arts and sciences curriculum taught by faculty open to engage with students' learning on a deeper level. Without delaying progress toward a degree, the University Honors Program provides students an opportunity to participate in a community of committed scholars and fosters intellectual friendship among students and their professors.

UHP Mission

The University Honors Program is a unique learning experience, based on interdisciplinary seminars and explorations in research-oriented classes, aimed at building an intellectual community of students who are ethical, academically curious, creative, rigorous, and seeking to bridge theory with practice.

UHP Values and Learning Outcomes

***Ethical*:** The UHP accentuates ethics in all modules of the program. In addition to AUI's focus on fostering ethics as a necessary characteristic of local and global citizenship, UHP students learn how to recognize and prioritize the ethical implications of scientific and everyday experiences.

***Interdisciplinary*:** By the end of the UHP, students will be able to independently synthesize information and ideas by exercising their own judgement even against the views of the many or the powerful while considering the consequences of their ideas for others and society. UHP students will be able to integrate their interdisciplinary knowledge acquired by using their critical thinking abilities and skills to respond to the conditions and concerns of contemporary challenges.

Academic curiosity, creativity, and rigor: Since the UHP aims at students who seek to augment their undergraduate education, enriched academic curiosity is especially valued and encouraged. Regarded as a necessary condition for what AUI recognizes as creative and critical thinking, amplified academic curiosity triggers the application of learned skills that enhance scientific innovative thinking. UHP students learn how to simultaneously exercise and channel their academic curiosity, taken together with the ethical and rigorous academic requirements, bridging theory and practice.

In line with the ongoing focus of AUI on socially engaged learning, through analysis of their internship experience, UHP students will master and utilize skills to bridge sound theoretical thinking with involvement in practical tasks. Based on extensive knowledge of their field of studies, UHP students will learn to recognize theoretical frameworks in dynamic concrete situations.

Eligibility

- Students who have completed 30 SCH of regular course work.
- Students who have at least three semesters remaining before graduation.
- Students who have at least a 3.4 cumulative GPA.

In order to qualify for a UHP certificate, UHP students must complete a minimum of 18 SCH earned from the following categories: (a) 6 SCH (two courses) in designated honors sections of departmental courses; (b) 6 SCH (two courses) in designated interdisciplinary honors seminars; (c) 3 SCH in an honors internship; (d) 3/4 SCH in an honors capstone project (students in SSE earn 4 credits because the capstone project includes a laboratory component).

Benefits

Students in the University Honors Program receive a more intensive and innovative education without spending additional time for degree completion. Students who successfully complete all the requirements receive special certificates noting this accomplishment and are publicly recognized at AUI's commencement ceremony. UHP students are given priority registration for courses. They are welcome to meet distinguished visitors to AUI, check out more books from the Mohammed VI Library and use the Honors learning space. Finally, UHP students benefit from travel opportunities in Morocco and abroad, extracurricular events and lectures, and receive help with publishing opportunities for undergraduate research magazines. Graduation from the UHP, with its broad interdisciplinary arts and sciences curriculum, gives students a distinct advantage when applying for national awards and scholarships as well as graduate or professional schools.

For more information, contact the UHP Coordinator at uhp@aui.ma or visit http://www.aui.ma/en/academics/programs/honors-program.htm

BACHELOR'S DEGREE PROGRAMS

Bachelor of Business Administration (BBA)
Bachelor of Arts in International Studies (BAIS)
Bachelor of Science in Human Resource Development (BSHRD)
Bachelor of Arts in Communication Studies (BACS)
Bachelor of Science in Spatial Planning and Management (BSSPM)
Bachelor of Science in Environmental Studies and Sustainability (BSESS)
Bachelor of Science in Renewable Energy Systems Engineering (BSRESE)
Bachelor of Science in Manufacturing and Logistics Engineering (BSMLE)
Bachelor of Science in Engineering Decision Support Systems (BSEDSS)
Bachelor of Science in Computer Systems (BSCSys)
Bachelor of Science in Cyber-Physical Systems (BSCPS)
Bachelor of Science in Cloud and Mobile Software Engineering (BSCMSE)
Bachelor of Science in Big Data Analytics (BSBDA)
Bachelor of Science in Artificial Intelligence and Robotization (BSAIR)
Bachelor of Science in General Engineering (BSGE)
Bachelor of Science in Computer Science (BSCSC)
Bachelor of Science in Engineering and Management Science (BSEMS)

The University's undergraduate programs are administered by the Dean of each School under the direction of the Vice President for Academic Affairs.

BACHELOR'S DEGREE INFORMATION

Requirements for Bachelor's Degrees

The following are the basic requirements for all bachelor's degree programs offered at AUI. Please see individual major program listings for the specific requirements of your chosen course of study.

- Completion of the General Education requirements, including AUI language requirements (see special section below);
- A major of at least 30 SCH of which 12 must be at the advanced level and completed at AUI;
- If a minor is selected, it must consist of at least 15 SCH;
- A minimum of 60 SCH must be taken in residence at AUI. 24 of these must be at the advanced level, of which at least 12 are taken in the major;
- A grade of at least C- in all courses counting toward the degree, exclusive of one elective. Major programs may impose a more rigorous requirement for their majors;
- A minimum cumulative GPA of 2.00;
- A passing score on the Exit Test;
- Completion of all semester credit hours required towards the degree, of

which 36 must be at the advanced level;

- Satisfactory completion of all requirements specified for the degree;
- Application for graduation obtained through Enrollment Services by the specified deadline;
- Completion of the Civic Engagement requirement; and
- Attendance at the Career Orientation Seminar in addition to a minimum of one more career event (Career talk, workshop, or conference) one semester before graduation.

General Education Requirements (GenEd)

A graduate of any institution of higher education is required to have specific knowledge, understanding, and competencies, regardless of his/her major field of study. For this reason, AUI is committed to providing students with a broad education through the General Education Requirements.

GenEd Rationale

GenEd is the term for the set of classes that all students must take. Regardless of degree program, the classes of the GenEd complement overall objectives of each program and support the introduction, acquisition, and application of a wide range of communicative and intellectual skills.

Through the core, all degree programs deliver a carefully constructed curriculum to give students the necessary tools, knowledge, and abilities to succeed personally and professionally.

To prepare students for careers and life in general, the university provides an education designed to cultivate skills that develop critical thinking and encourage inquiring minds, as demonstrated by a breadth of knowledge and depth of understanding. The University, furthermore, fosters an awareness of the perennial questions and new challenges that confront humanity, a depth and consistency of moral judgement, the ability to speak and write with clarity and precision, a capacity and life-long desire for learning, the exchange of ideas and knowledge for development, and an awareness of other cultures beyond national borders.

GenEd Objectives

- To help students develop global competence by learning to understand and interact appropriately in diverse and multicultural environments.
- To help students acquire the ability to understand the world around them and see how their studies relate to contemporary local, regional, and global issues.
- To equip students with the tools to succeed in their studies regardless of their majors and to develop lifelong learning attitudes and abilities.
- To help students develop personally, socially, and intellectually.
- To help students develop creative and critical thinking through verbal and quantitative reasoning.
- To help students develop reliable competencies in information technologies, along with the ability to evaluate different sources of

information.

- To help students develop language and communication abilities in order to perform competently in oral and written English, French, and Arabic languages.

To fulfill the above objectives, core classes can be broadly categorized as follows:

- Communication
- Humanities
- Quantitative Skills
- Natural Sciences
- Linguistic Proficiency
- Civic Engagement

In order to choose appropriate course levels from each category, students should see the detailed GenEd courses listed by schools.

GenEd Requirements Breakdown by Discipline

Disciplines	Course Codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210[1], FAS 1220[2]	**2**
English	ENG 1301 + ENG 2302	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
Computer Science	CSC 1300, CSC 1401	**3**
History or Political Science	HIS 1301/HIS 2301/ PSC 2301/HUM 1310/HUM 2302	**3**
Humanities	LIT 2301/HUM 2305/HUM 2306/ HUM 2307/PHI 2301/PHI 2302	**3**
Art Appreciation & Creation	HUM 2301/ART 1301/ART 1302/ART 1303/ART 1304/ART 1305/ART 3399/COM 2327/ENG 2320/LIT 3370	**3**
Mathematics	MTH 1305, MTH 1311, MTH 1388	**3**
Physical Sciences	BIO 1401, BIO 1401 CHE 1401, CHE 1401, PHY 1400, PHY 1401	**4**
Social Sciences	GEO 1301, PSY 1301, SOC 1301, SSC 1310, ECO 1300[3]	**3**
Civic Engagement	XXX ****SL or SLP 1101 or CIP	**1**

[1]FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out. FAS 0210 and FAS 1220 must be taken sequentially. Only students who have completed Language Center requirements (except AWG 1002) can take FAS 0210.

[2]FAS1220 is intended for students who have passed FAS 0210 and ENG 1301, but it can be taken in the same semester as ENG 1301 if necessary. FAS 0210 counts for 2 non-degree credits

[3]ECO 1300: This course is designed only for students that are NOT majoring or minoring in Business Administration or Human Resource development. Therefore, it cannot serve as a substitute for ECO 2301 or ECO 2302. However, students that are eligible to take this course may also take it as an elective course.

Language Requirements

Arabic requirements

All degree-seeking students must earn 2 SCH of Arabic language by taking *one* course from the list below. Arabic courses are categorized depending on the student's high school diploma and prior Arabic proficiency level.

- Holders of the Moroccan baccalaureate and Arabic-based high school degrees take ARB 1241 *without* placement.
- Holders of International Baccalaureate or a foreign cultural mission baccalaureate in Morocco (French, Spanish, etc.) take *one* ARB course based on placement results.
- Holders of international high school degrees with no prior Arabic language instruction take one ARA course based on placement test results.

Placement into levels depends on a student's performance on the tests. Proficiency guidelines used for placement are those set by The American Council on Teaching Foreign Languages (ACTFL).

International students in Social Sciences will have to meet the General Education language requirements by completing a minimum of one Arabic course, depending on the results from the Arabic Placement Test.

Code	Title	Student Category	Placement Test
ARB 1201	Basic Standard Arabic	Moroccan students from foreign cultural missions (French, American, Italian, Spanish, …)	With placement test.
ARB 1202	Arabic for Academic Purposes	Moroccan students from foreign cultural missions (French, American, Italian, Spanish, …)	With placement test.

ARB 1203	Arabic for Communication Purposes	Moroccan students from foreign cultural missions (French, American, Italian, Spanish, …)	With placement test.
ARB 1241	Arabic Literature	Students from public and private Moroccan high schools.	No placement test. However, students from foreign cultural missions whose placement scores are above ARB 1203 may take ARB 1241.
ARA 1202	Beginning Arabic	International degree-seeking students	With placement test.
ARA 1203	Intermediate Arabic	International degree-seeking students	With placement test
ARA 1204	Advanced Arabic	International degree-seeking students	With placement test.
ARA 3299	Special topics in Arabic	International degree-seeking students	With placement test.

Exchange students should take equivalent ARA courses bearing 03 credits:

- ARA 1311 or ARA 1312 (for exchange students) => ARA 1202 (for international degree-seeking students).
- ARA 2311 or ARA 2312 (for exchange students => ARA 1203 (for international degree-seeking students).
- ARA 3311 or ARA 3312 (for exchange students) => ARA 1204 (for international degree-seeking students)

Moroccan baccalaureate and Arabic-based high school degrees	ARB 1241 Arabic Literature
Foreign cultural mission baccalaureate	ARB 1201 Basic Standard Arabic ARB 1202 Arabic for Academic Purposes ARB 1203 Arabic for Communication Purposes
International high school degrees with no prior Arabic language instruction	ARA 1201 Arabic Beginning ARA 1202 Arabic Intermediate ARA 1203 Arabic Advanced ARA 3299 Special Topics in Arabic for Non-Native Speakers

French Requirements

Newly admitted students are required to take a placement test in French: TFI, TCF, DALF, or DELF to determine the number and level of French courses, if any, a student needs to take. Students may not take French in their first semester of study at AUI.

FRN 3210/3310 is the exit level for holders of the Moroccan or the ”Mission Culturelle Francaise” baccalaureate.

To be exempted from all French classes, a student must earn C1 or higher in TCF/DALF. Exempted students receive a waiver of 1 course of French according to the table below.

Students may have to take additional non-degree applicable French courses as pre-requisites. In their first semester of study, students cannot take French classes.

International students and Moroccan students holding a baccalaureate other than the Moroccan or the French ones, with no prior knowledge of French, may choose to take Spanish to satisfy GenEd language requirements.

French courses required for each level of TEF are indicated by crosses (X) in the table below:

Course Code / TCF Level	FRN 1205/ 1305	FRN 1208/ 1308	FRN 2210/ 2310	FRN 3210/ 3310
C2				
C1				
B2 with TCF ≥ 450				X
B2 with TCF < 450			X	X
B1		X	X	X
A2/A1	X	X	X	X

Course Code / DALF Level	FRN 1205/ 1305	FRN 1208/ 1308	FRN 2210/ 2310	FRN 3210/ 3310
C2				
C1				

Course Code / DELF Level	FRN 1305	FRN 1308	FRN 2310	FRN 3310
B2, with final grade ≥ 80/100				X
B2 with final grade < 80/100			X	X
B1		X	X	X

A2/A1	X	X	X	X

Students need to check with their respective schools about the French requirements in relation to other school-specific program requirements.

French language course requirements in relation to TEF scores

A free TEF session is offered to all new students during their first semester at the University. The scores of this test will be combined with the results of the writing component of the GAT to place students in the French course(s) they will need to take or to exempt them from this requirement altogether. If a student misses this free session or is not satisfied with his/her score, he/she may sit for another session of the test. Two paid TEF sessions will be held each year, in November and April, and will include the writing component. The test dates will be announced at the beginning of the semester. No placement instrument other than TEF will be used.

Major Requirements

Degree Plan

The degree plan is prepared in consultation with the student's advisor. Each school will establish and monitor each student's degree plan, including majors and minors. The degree plan may never supersede catalog requirements. The student is responsible for meeting all requirements of the catalog. Usually, the degree plan is filed no later than the first semester of the junior year. The CLE also helps students in preparing degree plans.

Declaration of Concentration and Minor

Students at AUI must select majors, areas of concentration within the major (if applicable), and minors no later than the beginning of the semester in which they enroll for the 60th semester credit hour.

The primary purpose of the major and area of concentration is to encourage exploration of a subject area in considerable depth. This in-depth study complements the breadth of study promoted by the undergraduate core curriculum and, in many cases, by a student's choice of electives. In-depth work permits practice in critical analysis and problem-solving. Because of its depth, such study also provides a sense of how knowledge is cultivated and shaped by time and circumstance.

Requirements for the Major

All undergraduate major programs listed in this catalog, except for certain Honors degree programs that require application and admission in advance, are open to all students. Students may request to change their degree program at any time. In some fields, however, a late change could easily result in extending the period of undergraduate study.

The faculty set the minimum requirements for the major fields of study, including the areas of concentration. These requirements usually allow latitude for tailoring degree programs to students' specific educational goals. The responsibility for developing a degree program within the requirements lies ultimately with the individual student working in consultation with his/her advisor.

Double Major

If a degree is to formally reflect more than a single major degree, the student must meet the following conditions:

1. The student must satisfy the requirements for each major.
2. The courses proposed as satisfying the requirements of one declared major may not overlap with those of the other declared major, unless:
    - Overlapping courses constitute introductory requirements (e.g., introductory mathematics or foreign language), or
    - Overlapping courses enable the student to meet the school requirements. At the time the student applies for graduation, the school coordinator of major programs must be cognizant of the courses the student proposes to satisfy, the declared major, and of the limitation of #2 above, and they must attest to the student's having satisfied the pertinent major requirements.

An undergraduate student who completed course requirements for more than one major but with overlapping courses may elect to receive the majors and to have a notation on his or her transcript that the requirements of the second degree in one of the majors were also completed. Second majors are not noted on the diploma. Specific requirements for second majors and for multiple majors within a single bachelor's degree program are available from the dean's offices.

Limits on SCH for Majors

In order to achieve the full value of in-depth study, a well-structured major should constitute approximately one-third of a student's program. To ensure the value of breadth, a major should comprise no more than two-thirds of a student's program.

Major requirements in cognate subjects essential to the structure of a given major should be counted as part of the major program in applying these guidelines. Major or school requirements designed to provide extra-disciplinary breadth should not be counted.

Minors

Specific requirements for minors are listed under degree programs. All minor programs consist of a minimum of 15 SCH.

Individual Minors

An "Individual Minor" is an approved collection of courses containing at least 15 SCH that have internal coherence, in an area not regularly offered as a minor by AUI.

A student interested in a particular area that complements his/her major may propose an Individual Minor program, showing specific courses to be taken abroad and/or at AUI that are supporting courses outside the student's major. No course may count in both a major and a minor.

Each school will appoint a representative who will be responsible for validating proposed minors in the area of the school. This representative will also track individual minors that have already been approved, in case other students are

interested in the same area.

The minor will appear on the transcript as “Individual Minor in…”

Exit Test

The Exit Test aims to:

- Evaluate the student’s mastery of academic material before they leave the University.
- Implement remedial work for those who need it, so that they can adequately reflect AUI’s academic objectives and more easily integrate into the job market.
- Obtain feedback from the student that will assist in evaluating the overall educational system and programs of the University.

The Exit Test is mandatory for all of AUI’s undergraduate students. The procedure used for the test varies according to the School.

Service Learning

The ultimate objective of the Service Learning Program (SLP) is to create an opportunity for students to learn and consolidate concepts covered in class by providing service to the community (AUI, City of Ifrane, Ifrane Province, Fez-Meknes Region, Morocco at large, and the world).

Service Learning (SL) is a course-based, credit-bearing educational experience that allows students to (a) participate in an organized service activity that meets identified community needs and (b) reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility.

In addition to enhancing learning for students, the SL component of the course is equally rewarding, academically and civically. There are two parts in this component: the service part and the learning part. For the service part, attendance at the relevant site and active participation are required. The learning part is about learning as much as possible from the site based on course coverage and insights. Students are required to keep a reflective journal about what goes on at the SL site. In addition to their on-site experience, students are expected to share their observations with peers and the course instructor and focus individual research to engage in critical reflection about the course content in terms of theory and practice.

Based on benchmark and international standards in SL, AUI course syllabi with SL components clearly articulate service requirements and their relationship to course objectives and assignments. It includes a timeline and a description of how students will be assessed.

Following the Civic Engagement batch in Table “GenEd Requirements Breakdown by Discipline”, a course with an SL component must be taken as a co-requisite. Failing the course will de facto result in failing the SL component, too. Failing the SL component will result in an NRP grade in the SL component only. Students who fail the SL component must enroll in another course from their degree plan with an SL component in the subsequent semesters. In case

no subsequent course in the student's degree plan is offered with an SL component, he/she must submit an SL proposal to the SLP Committee and enroll in SLP 1101.

SCHOOL OF BUSINESS ADMINISTRATION

Dr. Hassan Fehmi Baklaci,
Dean
Dr. Yourself Chetioui,
Academic Coordinator for Undergraduate Programs
Dr. Comlanvi Martin Konou,
Academic Advisor for Undergraduate Programs
Dr. Hind Lebdaoui,
Academic Coordinator for Full-time Graduate Programs
Mrs. Rhizlane Hammoud,
Academic Coordinator for Part-time Graduate Programs

Faculty: G. Abbasi, K. Abouhazim, J. Abrache, T. Adhikari, S. Aguenaou, A. Akaaboune, I. Ali, B. Allali, O. A. Aliyu, M. Allen, A. Baijou, H. F. Baklaci, M. Belhaj, A. Bennani Bouchiba, I. Benhayoun, Y. Benrqya, M. Bouhfra, H. Bouzekri, Y. Chetioui, M. Doganlar, N. El Bezzari, O. El Garah, S. El Hassak, E. El Khachia, S. El Ouali, A. Fakhar, A. Gamar, A. Hamidi Alaoui, R. Hammoud, H. K. Hassan, A. Hassi, M. Ikram, G. Ilipinar, I. Jabbouri, H. Kassal, C. M. Konou, S. Koubida, H. Lebdaoui, M. Lehnert, D. MacArthur, A. Marghich, M. R. Nour, O. Oszoy, M. Quaisse, H. Satt, A. Slimane, A. Tahri

Mission

Our mission is to shape future ethical, successful managers and leaders with a local and global perspective.

Accreditation

The Bachelor of Business Administration is accredited by the European Program Accreditation System.

Bachelor of Business Administration

The Bachelor of Business Administration (BBA) program is designed to prepare students to become ethical and successful managers and leaders with a local and global perspective. The program is divided into five main components: General Education requirements, Business Major Common Core, Concentration I, Concentration II/Minor, and Electives.

The GenEd is a set of general knowledge courses taken by all university students, regardless of their major. These courses help strengthen the students' intellectual skill set and enable the development of broader perspectives.

The Business Major Common Core provides complete coverage of the key functions necessary to run organizations effectively. The courses are carefully selected to complement each other. They are designed to equip

students with tools and competencies necessary to become successful business professionals.

The Concentration Component consists of five concentrations, namely Marketing, Management, Finance, International Business, and Logistics and Supply Chain Management. Students must select one concentration in the area in which they would like to specialize. The course offerings in the concentration areas are developed in such a way that students derive a comprehensive knowledge in their area of specialization. Students can choose either a second concentration within the School of Business Administration (SBA) or a minor outside SBA. Examples of minors available to business students are Gender Studies, African Studies, American Studies, Communication, Human Resources Development, Mathematics, Computer Science, and Leadership. A student may choose a minor to complement either the depth or the breadth of their studies. The BBA Program is an EFMD program accredited by the European Foundation of Management Development (EFMD). This internationally renowned program accreditation is a strong endorsement of the quality of the program and the high caliber of the students, faculty, and staff.

Intended Learning Outcomes of the BBA Program

Students graduating with the Bachelor of Business Administration should be able to:

1. Make ethical decisions and understand ethical concepts, including sustainability and concepts of corporate social responsibility
2. Analyze ethical situations
3. Make good judgements in business situations from an ethical perspective
4. Display skills and competencies of successful business decision makers
5. Comprehend and apply general BA concepts, methods, and techniques
6. Comprehend and apply concepts and techniques in the selected area of specialization
7. Use modern IT tools effectively
8. Communicate effectively orally and in writing
9. Work effectively within a team
10. Demonstrate managerial qualities
11. Understand the functions of a manager, including planning, organizing, motivating, controlling, and evaluating
12. Discern relevant data for managerial decision-making
13. Understand and demonstrate leadership qualities
14. Recognize and comprehend common leadership theories and models
15. Understand their own leadership competencies and style
16. Understand the Moroccan business environment
17. Understand the local business environment and its challenges
18. Understand basic Moroccan accounting and financial systems

19. Assess current business strategies of Moroccan companies
20. Create a strategic plan for a company in the Moroccan environment
21. Comprehend the global business environment
22. Understand the global business environment and challenges
23. Analyze global case studies

BBA Exchange and Study Abroad Programs

BBA Students are highly encouraged to undertake exchange and study abroad opportunities to experience different cultures and broaden their global perspective. Students interested in these programs must contact the program coordinator or the Office of International Programs (OIP).

GenEd for the SBA (40 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210[1] + FAS 1220	**2**
English	ENG 1301 + ENG 2302	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
Computer Science	CSC 1300, CSC 1401[2]	**3**
History or Political Science	HIS 1301, HIS 2301, HUM 1310, HUM 2302, PSC 2301	**3**
Humanities	HUM 2305, HUM 2306, HUM 2307, LIT 2301, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, COM 2327, ENG 2320, HUM 2301, LIT 3370	**3**
Mathematics	MTH 1305	**3**
Physical Sciences	BIO 1400, BIO 1401, CHE 1400, PHY 1400	**4**
Social Sciences	GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL or SLP 1101 or CIP	**1**

[1]FAS 0210 counts for 2 non-degree credits
[2]CSC 1401 may substitute for CSC 1300 Degree Requirements

To earn a BBA degree, students must successfully complete the following requirements:

1. General Education requirements (40 SCH)
2. Business Major Common Core (50 SCH)
3. Concentration (15 SCH) in one of the following business disciplines: Finance, Management, Marketing, Logistics and Supply Chain Management, or International Business.
4. Second Concentration or Minor (15 SCH): Second concentration in another business discipline as listed above. Alternatively, they may choose a minor in Computer Science, Mathematics, International Studies, Human Resource Development, Organizational Studies, Communication Studies, Gender Studies, African Studies, English, Psychology, and Leadership.
5. Electives (9 SCH): GenEd courses can be taken as electives, except ECO 1300, ECO 2310, SSC 2301, MTH 1388, and language courses (Arabic and French).

BBA Core Courses (50 SCH)

Course Code	Course Name
ACC 2301	Accounting Principles I
ACC 2302	Accounting Principles II
ACC 3201	Moroccan Accounting and Taxation
ECO 2301	Microeconomics
ECO 2302	Macroeconomics
FIN 3301	Principles of Finance
GBU 2301	Business Statistics
GBU 3302	Business Law and Ethics
GBU 3203	Enterprises, Markets, and the Moroccan Economy
GBU 3311	Quantitative Methods in Business
GBU 4100	Professional Career Development
INT 4001	Internship Field Work
INT 4301	Internship
MGT 3301	Principles of Management
MGT 3302	Entrepreneurship
MGT 4301	Capstone Course: Business Policy and Corporate Strategy
MGT 4303	Operations Management
MIS 3301	Management Information Systems
MKT 3301	Principles of Marketing

Concentration in Finance

The Finance concentration is designed to enhance the understanding of finance and the principles for the management of national and international financial markets and businesses. The concentration also emphasizes financial analysis and assessment and a good understanding of the impact of finance on decision-making. Students must select five courses from the

following:

Finance Courses (15 SCH)

Course Code	Course Name
FIN 3302	Money and Banking
FIN 3303	Corporate Financial Management
FIN 3305	Introduction to Islamic Banking and Finance
FIN 3306	Corporate Governance
FIN 3307	Financial Reporting and Analysis
FIN 3399	Special Topics in Finance
FIN 4304	International Finance
FIN 4305	Financial Intermediation
FIN 4306	Financial Investments and Securities Analysis
FIN 4308	Financial Futures, Options, and Other Derivative Securities

Concentration in Management

The Management concentration focuses on the theory and practice of management within the business and corporate environments, with emphasis on policies and strategies of business cycles and processes found in decision-making. Students must select five courses from the following:

Management Courses (15 SCH)

Course Code	Course Name
HRD 3401*	Human Capital Management
HRD 4303	Leadership and Management Development
MGT 3305	Organizational Behavior
MGT 3306	Conflict Management
MGT 3399	Special Topics in Management
MGT 4306	International Management
MGT 4307	Management of Small Enterprises
MGT 4308	Management of Change
MGT 4310	Tourism and Hospitality Management
MGT 4311	Quality Management
MGT 4312	Project Management
MGT 4314	Cross-Cultural Management
MKT 4307	Product Management and Marketing

**Note: BA students with a Concentration in Management and a Minor in Human Resource Development (those who need to take HRD 3301 as part of the requirement of their minor) will have the choice to either a) count HRD 3401 as part of their concentration in Management and be given the right to choose another course as the third required course of their minor, or b) count HRD 3401 as part of their minor in HRD and fulfil their concentration requirements with other courses (that may include HRD 4303).*

Concentration in Marketing

The Marketing concentration is intended to give an in-depth understanding of marketing techniques, sales promotion, and strategies, with emphasis on the analysis of consumer needs and behavior, and market studies.

Students must select five courses from the following:

Marketing Courses (15 SCH)

Course Code	Course Name
MKT 3302	Advertising and Promotion Management
MKT 3303	Consumer Behavior
MKT 3304	Fundamentals of Services Marketing
MKT 3305	Brand Management
MKT 3399	Special Topics in Marketing
MKT 4302	Digital Marketing
MKT 4304	Marketing Research
MKT 4305	Marketing Management
MKT 4306	International Marketing
MKT 4307	Product Management and Marketing
MKT 4311	E-Marketing

Concentration in International Business

The International Business Concentration focuses on the principles and policies of business management, with an emphasis on economics, accounting, finance, marketing, and management, all from an international perspective. Students must select five courses from the following:

International Business Courses (15 SCH)

Course Code	Course Name
ACC 4305	International Accounting
ECO 3301	International Trade
FIN 4304	International Finance
GBU 4308	Foundations of E-Commerce
GBU 3399	Special Topics in Business
MGT 4306	International Management
MGT 4314	Cross-Cultural Management
MIS 3302	Managing Information Systems and Technology in the Global Marketplace
MKT 4306	International Marketing
SCM 3301	Introduction to Management Science

Concentration in Logistics and Supply Chain Management (15 SCH)

Required Course (3 SCH)

Course Code	Course Name
SCM 3301	Introduction to Management Science

In addition, students must choose **four** out of the following courses **(12 SCH)**:

Course Code	Course Name
ECO 3301	International Trade
MGT 4311	Quality Management
MGT 4312	Project Management
SCM 3399	Special Topics in Logistics & Supply Chain Management
SCM 4301	Introduction to Supply Chain Management
SCM 4302	Production and Inventory Management
SCM 4303	Management of Transportation

Minors

All BBA students may select a minor with the assistance of their Academic Advisor. Minors are offered to BBA students by the School of Science and Engineering (SSE), the School of Humanities and Social Sciences (SHSS), in addition to one minor that is offered by the School of Business Administration (SBA). Students should view the minor requirements listed under the SSE and SHSS for the following minors:

Minors (15 SCH)

- Minor in Computer Science
- Minor in Mathematics
- Minor in International Studies
- Minor in Human Resource Development
- Minor in Organizational Studies
- Minor in Communication Studies
- Minor in Gender Studies
- Minor in African Studies
- Minor in English
- Minor in Psychology and Leadership

Electives (9 SCH)

Business Administration students must complete at least nine credits of elective courses. They may select their electives from among any class offered at AUI, except ECO 1300, ECO 2310, SSC 2301, MTH 1388, and all French and Arabic language courses.

Total SCH requirement for BBA Major: 129-130 SCH

Minors in the School of Business Administration (15 SCH)

Minor in Logistics and SCM for SSE Majors (15 SCH)

The minor in Logistics and SCM is intended for students majoring in other disciplines and interested in gaining a fundamental knowledge of logistics and supply chain concepts. It focuses on equipping students with the needed skills to succeed in supply chain management through a set of logistics and management science courses.

Prerequisites: Non-BBA students should note that GBU 3311 Quantitative Methods in Business and MGT 4303 Operations Management are prerequisites for the Logistics and Supply Chain Management minor.

Students majoring in Logistics and SCM must take:

Required Course (3 SCH)

Course Code	Course Name
SCM 3301	Introduction to Management Science

In addition, students must choose **four** out of the following courses **(12 SCH):**

Course Code	Course Name
ECO 3301	International Trade
MGT 4311	Quality of Management
MGT 4312	Project Management
SCM 4301	Introduction to Supply Chain Management
SCM 4302	Production and Inventory Management
SCM 4303	Management of Transportation

Minors in Business Administration (15 SCH)

The minor in Business Administration is intended for SSE and SHSS students who want to get a solid introduction to key concepts of business. It gives students majoring in other disciplines an opportunity to develop a set of business skills and competencies that complement their major. Students selecting the minor in Business Administration have the opportunity to complete most of the undergraduate prerequisite courses needed to initiate graduate programs in business.

Students minoring in Business Administration are expected to take a set of foundational business courses depending on their major, and then have the ability to select other courses from a predetermined list of courses to complete the minor.

Minor in Business Administration for Computer Science Majors in SSE (15 SCH)

Required Courses (9 SCH)

Course code	Course Name
ACC 2301	Accounting Principles I
FIN 3301	Principles of Finance
MGT 3301	Principles of Management

And **two** of the following courses **(6 SCH):**

Course code	Course Name
ACC 2302	Accounting Principles II
GBU 3311	Quantitative Methods in Business
GBU 4308	Foundations of E-Commerce
MGT 3302	Entrepreneurship
MGT 4303	Operations Management
MIS 3302	Managing Information Systems and Technology in the Global Marketplace
MKT 3301	Principles of Marketing
MKT 4304	Marketing Research
MKT 4305	Marketing Management
SCM 4301	Introduction to Supply Chain Management

Minor in Business Administration for International Studies Majors in the SHSS (15 SCH)

International Studies students selecting the Business Administration minor must take the three following courses:

Required courses (9 SCH)

Course Code	Course Name
ACC 2301	Accounting Principles I
ECO 2301	Microeconomics
ECO 2302	Macroeconomics

Two additional courses from the following **(6 SCH):**

Course Code	Course Name
FIN 3301	Principles of Finance
GBU 3302	Business Law and Ethics
MIS 3301	Management Information Systems
MGT 3301	Principles of Management
MKT 3301	Principles of Marketing

Minor in Business Administration for Human Resource Development Majors in the SHSS (15 SCH)

HRD students selecting the Business Administration minor must take the following courses (6 SCH):

Required Courses (6 SCH)

Course Code	Course Name
ACC 2301	Accounting Principles I
MGT 3301	Principles of Management

And **three** additional courses from the following **(9 SCH)**:

Course Code	Course Name
Fin 3301	Principles of Finance
MGT 3302	Entrepreneurship
MGT 4303	Operations Management
MGT 4307	Management of Small Enterprises
MIS 3301	Management Information Systems
MKT 3301	Principles of Marketing

Minor in Psychology (15 SCH)

The minor in Psychology aims at responding to the increasing market demand for professionals who have an understanding of the human psyche. It offers future professionals theoretical knowledge and practical skills in order to better understand themselves and others, and to reach their full potential, both personally and professionally. It also aims at addressing the chronic shortage of health professionals that are equipped to treat Moroccans with mental illness. As in other AUI schools, SBA students can minor in psychology.

Pre-requisite

PSY 1301 is the only pre-requisite to all classes of the minor in Psychology.

Required Courses (6 SCH)

Course Code	Course Name
PSY 1303	Clinical Psychology & Psychopathology
PSY 2302	Cognitive Sciences & Cognitive Psychology

In addition, students must choose three of the following courses:

Course Code	Course Name
PSY 2303	Developmental Psychology
PSY 2304	Psychology of Health
PSY 3302	Social/Organizational Psychology
PSY 3305	Interpersonal Relations and Conflict
PSY 3306	Human Sexuality and Gender

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

Dr. Abdelkrim Marzouk,
Dean
Dr. Abderrahim Agnaou,
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Dr. Derek L. Elliott,
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Mission

The SHSS mission is to contribute to the development of education in the social sciences and the liberal arts in Morocco and the world. SHSS serves the entire University by providing all Al Akhawayn students with the intellectual skills and training that are the essence of a liberal arts education.

Through the rich traditions of the humanities, students gain a new respect for the heritage of creativity that surrounds and enriches their lives and their own place in that ongoing human drama. Exposure to debates, methods, and practices of the social sciences provides students with critical thinking, as well as with perspectives and tools to meet the many challenges they will face in their careers and their communities.

The School of Humanities and Social Sciences provides innovative degree programs in applied social sciences with an emphasis on interdisciplinary, critical, and analytical skills, as well as practical learning. The School of Humanities and Social Sciences also has a mandate to encourage dialogue and debates among different cultures and civilizations in an academic atmosphere characterized by pluralism, mutual respect, and academic freedom.

Undergraduate Programs

The School of Humanities and Social Sciences provides innovative professional degree programs in applied Social Sciences with an emphasis on interdisciplinary, technical, and analytical skills, as well as practical learning. At the undergraduate level, the programs offered include Communication Studies, Human Resource Development, and International Studies. Minors are offered

in the three undergraduate degree programs in addition to minors in Gender Studies, African Studies, Organizational Studies, and Psychology. The BA in International Studies may be undertaken as a part of a combined BA/MA program in International Studies and Diplomacy, and North African Middle East Studies. The School of Humanities and Social Sciences offers a number of special programs, including an Intensive Summer Program in Arabic Language and North African Studies.

Upon the course instructor's approval, students not majoring in any one of the three SHSS programs (IS, CS, and HRD) may request permission to take courses offered by the school as electives regardless of the prerequisites, which may be waived. A prerequisite waiver is not guaranteed, and takes into consideration student's background from other majors.

Upon the course instructor's approval, SHSS undergraduate students can take one graduate course as an elective and SHSS graduate students can take one undergraduate course as an elective. Foundation courses cannot be counted as electives.

GenEd for SHSS Programs (40 SCH)

Disciplines	Course Codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210[1] + FAS 1220	**2**
English	ENG 1301+ ENG 2301	**6**
Arabic[2]	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French[3]	FRN 3210	**2**
Communication	COM 1301	**3**
Computer Science	CSC 1300	**3**
History or Political Science	HIS 1301, HIS 2301, HUM 1310, HUM 2302, PSC 2301[4]	**3**
Humanities	HUM 2305, HUM 2306, HUM 2307, LIT2301, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, COM 2327, ENG 2320, HUM 2301, LIT 3370	**3**
Mathematics[5]	MTH 1305, MTH 1388	**3**
Physical Sciences	BIO 1400, CHE 1400, PHY 1400	**4**
Social Sciences	GEO 1301[6], PSY 1301[7], SOC 1301, SSC 1310	**3**
Civic Engagement[8]	XXX ****SL or SLP 1101[9] or CIP	**1**

[1]FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts

for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

[2]All degree-seeking students must earn 2 SCH of Arabic language by taking *one* course from the list. Arabic courses are categorized depending on the student's high school diploma and prior Arabic proficiency level.

- Holders of the Moroccan baccalaureate take ARB 1241 *without* placement.
- Holders of a cultural mission baccalaureate in Morocco (French, Spanish, etc.) take one ARB course based on placement test results.
- Holders of international high school degrees with no prior Arabic language instruction take one ARA course based on placement test results.

[3]Newly admitted students are required to take a placement test in French: TFI, TCF, DALF, or DELF to determine the number and level of French courses, if any, a student needs. Students may not take French in their first semester of study at AUI.

[4]International Studies majors must take PSC 2301 as part of the Major Core. Only HIS 1301, HIS 2301, HUM 1310, or HUM 2302 can be taken as part of GenEd.

[5]HRD majors must take MTH 1305, while COM and IS majors may take MTH 1388.

[6]International Studies majors must take GEO 1301 as part of the Major Core. Only PSY 1301, SOC 1301, or SSC 1310 can be taken as part of GenEd.

[7]HRD majors must take PSY 1301 as part of the Major Core. Only GEO 1301, SOC 1301, or SSC 1310 can be taken as part of GenEd.

[8]A course with an SL component must be taken as co-requisites. Failing the course will *de facto* result in failing the SL component, too. Failing the SL component will result in an NRP in the SL component only. Students who fail the SL component must enroll in another course from their degree plan with an SL component in the subsequent semesters.

[9]In case no subsequent course in the student's degree plan is offered with an SL component, s/he must submit an SL proposal to the SLP Committee and enroll in SLP 1101.

Core Curriculum (19 SCH)

Course Code	Course Name
COM 2301	Professional Communication
ECO 1300[1]	Introduction to Economics
INT 4302[2]	Internship
SCC 3303	Research Methods
SCC 4302	Senior Capstone
STA 2401[3]	Introduction to Statistics

[1]ECO 1300 should not be taken by SHSS students minoring in Business Administration. These students must take HUM 2301, Introduction to Islamic Art & Architecture. ECO 1300 cannot serve as a substitute for ECO 2301 or ECO 2302. However, students can take it as an elective course.

[2]INT 4302 SHSS students must fulfil all the General Education French requirements, if applicable, before they take their Internship.

[3]STA 2401 is equivalent to GBU 2301 when switching schools. Students should not add any credit in this case.

Bachelor of Arts in International Studies

The BAIS program offers students the opportunity to acquire factual knowledge as well as theoretical and analytical skills in international affairs. Students choose to specialize in either International Relations or International Cooperation and Development. In addition, International Studies students pursue a minor in an area in or outside the School.

Intended Learning Outcomes

Graduates of the BAIS program are expected to

- Demonstrate knowledge of world history, geography, economics, and

international affairs;

- Demonstrate an understanding of either international relations or development studies, both at the theoretical and empirical levels; and
- Be prepared either to function professionally in one of a broad range of sectors and institutions in an international environment, or to continue studies at the graduate level.

Course requirements for the BAIS program include:

General Education Requirements	40 SCH
SHSS Core	19 SCH
Major Core	21 SCH
Concentrations	18-20 SCH
Minor	15-16 SCH
Electives	9 SCH
Total SCH for BAIS Major	**122-125 SCH**

International Studies Major Core (21 SCH)

Course Code	Course Name
ECO 2310[1]	International Economics
GEO 1301[2]	Introduction to Geography
HIS 3301	International History: 1914 to the Present
INS 2301	Theories of International Relations
INS 3303	International Law
PSC 2301[3]	Comparative Political Systems
SSC 2302	Social Theory

[1]ECO 2310 should only be taken by students who are not taking ECO 2301 & ECO 2302 as part of other degree requirements (i.e., the Business Administration Minor). Students taking ECO 2301 & ECO 2302 replace ECO 2310 with any other International Studies course: GEO, INS, PSC, or SSC.
[2]International Studies students take GEO 1301 as part of the IS Major Core. They take PSY 1301, SOC 1301, or SSC 1310 in fulfilment of the GenEd Social Science requirement.
[3]International Studies majors must take a history course (HIS 1301, HIS 1302, or HIS 2301) as part of the General Education requirements. PSC 2301 is taken as part of the IS Major Core.

Concentrations for International Studies Majors (18-20 SCH)

Students must complete one of two concentrations: either the concentration in International Relations or the concentration in International Cooperation and Development.

Concentration in International Relations

Required Courses (6 SCH)

Students in the International Relations Concentration take any **two** of the following four courses:

Course Code	Course Name
INS 2302	International Organizations
INS 3304	International Security

INS 3305	International Political Economy
INS 3306	Foreign Policy Analysis

Optional Courses (12 SCH)

Students in the International Relations Concentration also complete **four** of the following courses:

Course Code	Course Name
GEO 2302	Political Geography
HIS 3311	Northern Africa
HIS 3320	History of United States Foreign Policy
INS 2302	International Organizations
INS 2320	Model United Nations
INS 3304	International Security
INS 3305	International Political Economy
INS 3306	Foreign Policy Analysis
INS 3307	Conflict Resolution in International Relations
INS 3308	Conflict and its Alternatives
INS 3310	The United States and the Middle East
INS 3315	Religion in International Relations
INS 3320	Regional Topics in International Relations
INS 3371	Africa in World Affairs
INS 3372	Conflict in Contemporary Africa
INS 3374	European Union relations with Sub-Saharan Africa
INS 3396	Special Topics in International Relations
INS 4321	Identity in International Relations
PSC 2302	Political Theory
PSC 3310	North African Government and Politics
PSC 3311	Politics in the Global South
PSC 3312	Middle Eastern Politics
PSC 3320	Introduction to European Union
PSC 4301	European Union Foreign Policy
PSC 4310	The Politics of Empire
SSC 3316	Gender, Politics, and Society
SSC 3322	Political Anthropology
SSC 3341	International Migration

Concentration in International Cooperation and Development

Required Courses (6 SCH)

Students in the International Cooperation and Development Concentration take the **two** following courses:

Course Code	Course Name
SSC 2310	Development Policy
SSC 3405	Field Methods

Optional Courses (12-14 SCH)

Students in the International Cooperation and Development Concentration also complete **four** of the following courses:

Course Code	Course Name
GEO 2301	Economic Geography
GEO 2306	Geographical Information Systems
GEO 4301	Environmental Management
HIS 3310	Contemporary Moroccan History
HIS 4301	Modern Imperialism and its Culture
HUM 3412	Moroccan Cultural Heritage
INS 2302	International Organizations
PSC 3311	Politics of the Global South
SSC 2342	Anthropology of Development
SSC 3311	Woman and Economic Development
SSC 3321	Economic Development in the Middle East & North Africa
SSC 3345	Critical Debates in Development
SSC 3372	Political Economy of Development in Africa
SSC 3399	Special Topics in International Cooperation & Development

Required Minor for BAIS Majors (15 SCH)

International Studies majors must complete one of the following minors: Human Resource Development, National HRD, Communication Studies, Organizational Studies, African Studies, Gender Studies, Psychology, Computer Science, or Business Administration. Students selecting the minor in Computer Science or Business Administration need to ensure that they satisfy any additional prerequisite courses in their minor. Consult the minor requirements for the appropriate programs in the next section.

Electives (9 SCH)

Students choose three courses from any AUI programs, according to their interests. Electives can also be taken on exchange.

Total SCH requirement for BAIS Major: 122-123 SCH

Bachelor of Science in Human Resource Development

The Human Resource Development (HRD) program aims to develop global leaders capable of solving complex HR problems and improving learning and performance at the individual, organizational, and societal levels. Technological innovation, globalization, organizational restructuring, labor market shifts, pressure for reduced costs, and increased productivity have intensified the demand for HRD professionals. Our program prepares graduates to assume roles as strategic HR managers, performance improvement specialists, and organizational change consultants in businesses and public sector organizations. The program content is based on

competences defined by professional organizations in the field of Human Resource Development. Through content courses in Human Resource Development and related topics (organization development and change, performance management, talent development, consulting for HRD, leadership and management development, corporate social responsibility), and through workplace experiences, students acquire the necessary skills to become successful Human Resource Development professionals.

Intended Learning Outcomes

Graduates of the BSHRD program are expected to

- Be able to understand HRD as a professional field of practice
- Master different HRD processes, tools, and techniques in the domains of training and development, organizational development, change management, and career development;
- Be able to think strategically and apply different HRD practices to help an organization enhance its overall performance;
- Acquire skills in developing human expertise through training and development, better organizational management practices, effective management development, and improved leadership; and
- Be able to perform effectively in the growing globalized market by understanding diversity, ethics, and social responsibility and their impact on management practices.

Course requirements for the BSHRD program include:

General Education Requirements	40 SCH
SHSS Core	19 SCH
Major Core	25 SCH
Concentration	15 SCH
Minor	15-16 SCH
Electives	9 SCH
Total SCH for BSHRD Major	**123-124 SCH**

Human Resource Development Major Core (25 SCH)

Course Code	Course Name
ECO 1300	Introduction to Economics
HRD 2300	Introduction to Human Resource Development
HRD 2301 or HRD 3302[1]	Business Environment and Ethics for HRD or Ethics in Professional Contexts
HRD 3303	Training and Development
HRD 3401	Human Capital Management
HRD 4302	Needs Assessment and Organizational Effectiveness
PSY 1301	Introduction to Psychology
PSY 3302	Social/Organizational Psychology

[1]Students minoring in BA are required to take HRD 3302 instead of HRD 2301.

Concentration in Human Resource Development (15 SCH)

The BSHRD program offers one concentration from which students must take the following four courses:

Concentration in Organizational Human Development (12 SCH)

Course Code	Course Name
HRD 3304	Strategic HRD
HRD 4303	Leadership and Management Development
HRD 4304	Consulting for HRD
HRD 4306	Organizational Development and Change

The BSHRD students must take **one** course from the list below:

Optional Concentration Courses in HRD (3 SCH)

Course Code	Course Name
HRD 3399	Special Topics in Human Resource Development
HRD 4302	Needs Assessment and Organizational Effectiveness
HRD 4307	Career Management and Development
HRD 4308	Global HRD

Required Minor for HRD Majors (15-16 SCH)

A minor in Business Administration is highly recommended for HRD majors. However, students may choose a minor from any of the following: International Studies, National HRD, Communication Studies, Organizational Studies, African Studies, Gender Studies, Psychology, Computer Science, or Business Administration. Students selecting the minor in Computer Science or Business Administration need to ensure that they satisfy any additional prerequisite courses in their minor.

Students may consult the minor requirements for appropriate programs.

Electives (9 SCH)

Students choose three courses from any AUI programs, according to their interests. Electives can also be taken on exchange.

Total SCH requirement for BSHRD Major: 123-124 SCH

Bachelor of Arts in Communication Studies (BACS)

The Communication Studies program enables students to master a variety of communication competencies required for success in a wide range of exciting careers while building active and responsible citizenship. The program trains students in academic as well as professional and applied communication, with an emphasis on development of creative and critical abilities. Students gain theoretical, technical, and applied expertise in fields such as public relations and advertising, organizational and global communication and media policy, writing, production, and media research.

Intended Learning Outcomes

Graduates of the BACS program are expected to:

1. Gain an understanding of the role of media in shaping contemporary societies and cultures;
2. Understand the dynamics of global media flows and their impact on the socio-political and cultural affairs of modern societies;
3. Build an appreciation for the role of media systems in fostering democracy and informed citizenship;
4. Gain theoretical, technical, and applied knowledge in the fields of public relations, advertising, global communication and media policy, organizational communication, print and audio-visual production, and media research; and
5. Learn how to apply various research methods to the academic (as well as administrative) study of media and communications.

Course Requirements for the BACS program include:

General Education Requirements	40 SCH
SHSS Core	19 SCH
Major Core	19 SCH
Concentrations	21 SCH
Minor	15-16 SCH
Electives	9 SCH
Total SCH for the BACS Major	**123-124 SCH**

Communication Studies Major Core (20 SCH)

Course Code	Course Name
COM 1304	New Media Technology
COM 2403	Photography and Visual Story Telling
COM 2427	Art and Design Production
COM 3303	Global Communication and Media Policy
COM 3320	Communication Theories
COM 3321	Moroccan Media and Society

Concentrations in Communication Studies (21-25 SCH)

Students are required to choose one concentration of the two listed below. Students take three required concentration courses and three to four optional courses listed below.

Concentration in Media Production

Required courses (12 SCH)

Course Code	Course Name
COM 2404	Introduction to Film Making
COM 3402	Advanced Film Production
COM 4405	Media Production Project Seminar

Concentration in Strategic Communication

Required Courses (9 SCH)

Course Code	Course Name
COM 3301	Public Relations Communication
COM 3311	Marketing Communications
COM 3330	Organizational Communication

Optional Concentration Courses (12-16 SCH)

In addition, students must select four courses (for students with concentration in Strategic Communication) and three courses (for students with concentration in Media Production) from the following:

Course Code	Course Name
COM 2404	Introduction to Film Making
COM 3301	Public Relations Communication
COM 3304	Alternative Media
COM 3311	Marketing Communications
COM 3315	Media and Gender
COM 3328	Media Analysis
COM 3330	Organizational Communication
COM 3398	Special Topics in Media
COM 3399	Special Topics in Communication
COM 3402	Advanced Film Production
COM 4401	Digital Advertising Production
COM 4304	Communication and Development
COM 4405	Media Production Project Seminar

Required Minor for BACS Majors (15 SCH)

Students majoring in Communication Studies may choose a minor from any of the following: Human Resource Development, National HRD, International Studies, Organizational Studies, African Studies, Gender Studies, Psychology, Computer Science, or Business Administration. Students selecting the minor in Computer Science or Business Administration need to ensure that they satisfy any additional prerequisite courses in their minor. Consult the minor requirements for the appropriate programs in the next section.

Electives (9 SCH)

Students choose three courses from any AUI programs, according to their interests. Electives can also be taken on exchange.

Bachelor of Science in Environmental Studies and Sustainability (124 SCH)

The B.Sc. program in Environmental Studies and Sustainability (BScESS) is a transdisciplinary program which allows students to understand the complex environmental issues facing Morocco and the world, and which enables them to become professional agents in resolving them in environmentally sustainable

ways.

Intended Learning Outcomes

Graduates of the B.Sc. in Environmental Studies and Sustainability will be expected to:

1. Understand the interconnectedness of Earth's physical processes;
2. Understand the impacts human activities have on earth systems;
3. Demonstrate sufficient analytical and critical thinking skills to conduct research on environmental issues;
4. Use appropriate tools to assess environmental impacts; and
5. Critically assess environmental policies and strategies.

Admission Requirements

Usual criteria for admission to AUI:

1. Baccalaureate (all subjects) or equivalent secondary education degree and
2. GAT or SAT.

General Education (40 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210[1], FAS 1220	**2**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
Computer Science	CSC 1300 or CSC 1401 (+ 1 SCH)	**3**
English	ENG 1301 + ENG 2301	**6**
History or Political Science	HIS 1301, HIS 2301, HUM 1310, HUM 2302, PSC 2301	**3**
Humanities	LIT 2301, HUM 2306, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 1399, ENG 2320, COM 2327, HUM 2301, LIT 3370	**3**
Mathematics	MTH 1388	**3**
Physical Sciences	CHE 1400, PHY 1400	**4**
Social Sciences	SOC 1301, SSC 1310, PSY 1301	**3**
Civic Engagement	XXX ****SL or SLP 1101 or CIP	**1**

School Core Curriculum (19 SCH)

Course Code	Course Name
COM 2301	Professional Communication
ECO 1300*	Introduction to Economics
STA 2401	Introduction to Statistics
SSC 3303	Research Methods
SSC 4302	Senior Capstone for ESS
INT 4302	Internship

***ESS Students minoring in BA must replace ECO 1300 with HUM 2301, in which case they cannot take the latter as part of the Arts batch in GenEd.*

***The internship must be done in the summer session prior to the student's graduation semester in Fall or Spring, when they enroll in* INT 4302. *Students must fulfill all the French requirements, if applicable, before they take their Internship.*

Environmental Studies Major Core (32 SCH)

Course Code	Course Name
BIO 1401	Principles of Biology
ECO 2315	Environmental Economics and Circular Economy
GEO 1301	Introduction to Geography
GEO 2303	Geomorphology
GEO 2304	Climatology
GEO 2305	Sustainable Earth Systems
GEO 2306	Geographic Information Systems
HUM 2315	Environmental Ethics
PSC 3315	Environmental Laws and Policies
SSC 3405	Field Methods

Optional Courses (9 SCH)

Students are required to choose **three** optional courses from the list below:

Course Code	Course Name
BIO 3315	Biodiversity
ECO 3315	Environmental Policy and Economics I
ECO 4315	Environmental Policy and Economics II
ENV 3301	Resource Management
ENV 3302	Renewable Energy and Conservation
ENV 3304	Environmental Risk Assessment
ENV 3305	Agriculture and Food Systems
ENV 3399	Special Topics in Environmental Studies
GEO 3302	Hydrology and Water Resources
GEO 3303	Advanced GIS and Remote Sensing
GEO 4303	Geospatial Monitoring and Remote Sensing
GEO 4304	Cartography and Data Visualization

HUM 2313	Religion and the Natural World
INS 2315	Global Politics of Water
INS 3311	Environmental Dimensions of Security
PLN 3301	Project Management
PLN 3305	Designing with the Environment
SSC 2340	Gender, Environmental Justice and Sustainability

Required Minor for BSc ESS Majors (15 SCH)

Environmental Studies majors must complete one of the following minors: Human Resource Development, National HRD, Communication Studies, Organizational Studies, African Studies, Gender Studies, Psychology, Computer Science, or Business Administration. Students selecting the minor in Computer Science or Business Administration need to ensure that they satisfy any additional prerequisite courses in their minor.

Electives: 9 SCH

Total: 124 SCH

Gender Studies (15 SCH)

Required Courses (15 SCH)

Course Code	Course Name
COM 3316	Media and Gender
SSC 2315*	Sex, Gender and Power
SSC 3311	Women and Economic Development
SSC 3316	Gender, Politics and Society

*It is recommended that students choosing this minor take SSC 2315 before they take the remaining three courses.

In addition, students must complete **one** optional course from the following or one offered in SHSS majors **(3 SCH)**:

Course Code	Course Name
PSY 3306	Human Sexuality and Gender
SSC 3398	Special Topics in Gender Studies
xxx xxxx	Any optional course from among those offered in the various SHSS majors

Psychology Minor (15 SCH)

Required Courses (6 SCH)

Course Code	Course Name
PSY 1303	Clinical Psychology & Psychopathology
PSY 2302	Cognitive Sciences & Cognitive Psychology

In addition, students must choose **three** of the following courses **(9 SCH)**:

Course Code	Course Name
PSY 2304	Psychology of Health
PSY 2303	Developmental Psychology
PSY 3302	Social/Organizational Psychology
PSY 3305	Interpersonal Relations and Conflict Resolution
PSY 3306	Human Sexuality and Genders

International Studies (15 SCH)

Required Courses (6 SCH)

Course Code	Course Name
INS 2301	Theories of International Relations
PSC 2301*	Comparative Political Systems

**Students minoring in IS must take PSC 2301 as part of the minor. They may take HIS 1301, HIS 2301, HUM 1310 or HUM 2302 to fulfill GenEd.*

In addition, students must choose **two** of the following courses **(6 SCH)**:

Course Code	Course Name
ECO 2310	Introduction to International Economics
GEO 1301	Introduction to Geography
HIS 3301	International History: 1914 to the present
INS 3303	International Law

In addition, students take **one** optional course from within the International Studies concentrations **(3 SCH)**.

Communication Studies (16-18 SCH)

Required Courses (10 SCH)

Course Code	Course Name
COM 1304	New Media Technology
COM 2427	Art and Design Production
COM 3330 or COM 3303	Organizational Communication or Global Communication and Media Policy

In addition, students must choose **two** courses from the following **(6-8 SCH)**:

Course Code	Course Name
COM 2403	Photography and Visual Story Telling
COM 2404	Introduction to Film Making
COM 3301	Public Relations Communication
COM 3304	Alternative Media
COM 3311	Marketing Communication
COM 3315	Media and Gender
COM 3321	Moroccan Media and Society

COM 3328	Media Analysis
COM 3330	Organizational Communication
COM 3398	Special Topics in Media
COM 3399	Special Topics in Communication
COM 3402	Advanced Film Production
COM 4401	Digital Advertising Production
COM 4304	Communication and Development
COM 4405	Media Production Project Seminar

Human Resource Development (16 SCH)

Required Courses (10 SCH)

Course Code	Course Name
HRD 2300	Introduction to Human Resource Development
HRD 2301 or HRD 3302	Business Environment and Ethics for HRD or Ethics in Professional Contexts
HRD 3401	Human Capital Management

In addition, students must complete any **two** courses from the list below **(6 SCH)**:

Course Code	Course Name
HRD 3303	Training and Development
HRD 3304	Strategic HRD
HRD 3399	Special Topics in HRD
HRD 4302	Needs Assessment and Organizational Effectiveness
HRD 4303	Leadership & Management Development
HRD 4304	Consulting for HRD
HRD 4306	Organizational Development and Change
HRD 4307	Career Management & Development
HRD 4308	Global HRD

Organizational Studies (15-17 SCH)

Required Courses (9 SCH)

Course Code	Course Name
COM 1304*	New Media Technology
HRD 2300	Introduction to Human Resources Development
PSY 3302	Social/Organizational Psychology

**Students who have taken MGT 3305 cannot take PSY 3302. They should take an additional course from the list here below.*

In addition, students may select any **two** courses from the following **(6-8 SCH)**:

Course Code	Course Name
COM 2427	Art and Design Production
COM 3311	Marketing Communication
COM 3330	Organizational Communication
COM 4401	Digital Advertising Production
HRD 3303	Training and Development
HRD 3304	Strategic HRD
HRD 3305	Principles of Human Resource Development
HRD 3399	Special Topics in HRD
HRD 3401	Human Capital Management
HRD 4302	Needs Assessment and Organizational Effectiveness
HRD 4303	Leadership and Management Development
HRD 4304	Consulting for HRD
HRD 4305	Organizational Development and Change for NHRD
HRD 4306	Organizational Development and Change
HRD 4307	Career Management and Development

African Studies (15 SCH)

Required Courses (9 SCH)

Course Code	Course Name
HIS 2371	History & Cultures of Sub-Saharan Africa
HUM 2371	Popular Culture in Africa
PSC 2371	Introduction to African Politics

In addition, students must choose any **two** courses out of the following **(6 SCH)**:

Course Code	Course Name
HIS 3311	Modern Algeria
INS 3371	Africa in World Politics
INS 3372	Conflict in Contemporary Africa
INS 3373	US Relations with Sub-Saharan Africa
INS 3374	EU Relations with Sub-Saharan Africa
LIT 3371	African Literature
SSC 2371	Ethnography in Africa
SSC 3371	Urbanization in Sub-Saharan Africa
SSC 3372	The Political Economy of Development in Africa
SSC 3379	Special Topics in African Studies

Minor in English (15 SCH)

Students are required to take **two** writing classes and **three** literature courses from the following:

Writing Courses (6 SCH)

Course Code	Course Name
ENG 2311	Translation
ENG 2312	News Reporting: An Introduction
ENG 2313	Nonfiction Narrative
ENG 2320	Creative Writing

Literature Courses (9 SCH)

Course Code	Course Name
LIT 3310	American Literature: Survey(s)
LIT 3370	Aesthetics
LIT 3371	African Literature: Survey(s)
LIT 3373	British Literature: Survey(s)
LIT 3374	French Literature: Survey(s)
LIT 3375	Moroccan Literature: Survey(s)

**Some literature courses are labeled with general titles and include the selection of specific topics currently proposed within these headings.*

Business Administration (15 SCH)

Required Courses (15 SCH)

Course Code	Course Name
ACC 2301	Accounting Principles I
ECO 2301	Microeconomics
ECO 2302	Macroeconomics

In addition, students must complete **two** courses from the following options **(6 SCH)**:

Course Code	Course Name
FIN 3301	Principles of Finance
GBU 3302	Business Law and Ethics
MIS 3301	Management Information Systems
MGT 3301	Principles of Management
MKT 3301	Principles of Marketing

Computer Science (15 SCH)

Required Courses (6 SCH)

Course Code	Course Name
CSC 2302*	Data Structures
CSC 2303	Advanced Programming

**CSC 1401 is a prerequisite to CSC 2302, students choosing Computer Science as a minor will need to take it instead of CSC 1300.*

In addition, students must complete any **three** of the following courses **(9 SCH)**:

Course Code	Course Name
CSC 2304	Computer Architecture
CSC 3324	Software Engineering
CSC 3326	Database Systems
CSC 33xx	Any advanced (3000-level) CSC course

Leadership (16 SCH)

Required Courses (13 SCH)

Course Code	Course Name
HRD 4303	Leadership and Management
LDR 1201 and LDR 1202*	1st year program of Leadership Development Institute
LDR 2301	Personal Development for Leadership
LDR 4301	Leadership Practicum

**Prerequisites: completion of AUI's Community Involvement Program (CIP) requirement or Service Learning Program (SLP) requirement; acceptance into LDI's 1st year program.*

Note: *this is a one-year program starting in the fall; both semesters must be completed in sequence; the sequence must be done before LDR 4301.*

In addition, students must choose **one** out of the following courses **(3 SCH)**:

Course Code	Course Name
COM 3306	Global Communication and Media Policy
GBU 3302	Legal Environment and Ethics
HRD 2301 or HRD 3302	Legal Environment and Ethics for HRD or Ethics in Professional Contexts
HRD 4306	Organizational Development and Change
MGT 3305	Organizational Behavior
MGT 3306	Conflict Management
MGT 4308	Management of Change
MGT 4312	Project Management
MGT 4314	Cross-cultural Management
PSC 3311	Politics in the Developing World

PSY 1301 or SOC 1301*	Introduction to Psychology or Introduction to Sociology
PSY 2304	Psychology of Health
PSY 3305	Interpersonal Relations and Conflict Resolution
SSC 3316	Women in Society and Politics

**Either PSY 1301 or SOC 1301 must be taken to fulfil the GenEd requirement for Social Science but do not count toward SCH for a minor.*

Electives (9 SCH)

ESS Students are required to take **three** electives in any area of interest in consultation with their academic advisors.

Total (126-129 SCH)

Bachelor of Science in Psychology

The Bachelor of Science in Psychology aims at responding to the increasing market demand for health professionals who have an understanding of the human psyche. The curriculum provides students with scientifically based skills and knowledge needed for professionals working in mental health or those who need to understand the human psyche. The program brings to Morocco a scientific-based understanding of the field, and AUI offers a forward-looking and very distinct program from the other existing options in the country.

The program prepares students for employment within the public and private sectors, mental health care facilities and clinics, as well as for employment within fields such as media and advertising, human resources, communication and public relations, marketing and sales, and labor relations and management. In addition, the program will prepare students for any Master's degree in Psychology, including a Master of Science in Clinical Psychology.

Intended Learning Outcomes

Graduates will:

- Understand Psychology as a professional field of practice, in the world, and in Morocco (with different psychological domains such as Clinical Psychology and Psychopathology, Cognitive Psychology, Developmental Psychology, Social Psychology and Organizational Psychology).
- Understand the professional codes of ethics and established legal frameworks necessary to practice as a mental health professional.
- Be able to apply appropriate concepts and tools in order to: treat psychological conditions and enhance an individual, group, and/ or organization's well-being; master normal and dysfunctional mental processes; and hold a comprehensive perspective on social variables and organizational dynamics in the workplace.

Admission Requirements

Admission is based solely on academic merit. Due to the essential cognitive component of the program, priority will be given to applicants from the Moroccan *Baccalauréat* in Sciences or equivalent ("*Sciences Mathématiques*",

"*Sciences Physiques*", "*Sciences Expérimentales*", "*SVT*") and exceptionally to applicants from other streams.

Applicants whose first language is not English must take the TOEFL exam for English competency.

Psychology Major Core (24 SCH)

Course Code	Course Name
PSY 1301	Introduction to Psychology
PSY 1303	Clinical Psychology & Psychopathology
PSY 2302	Cognitive Sciences & Cognitive Psychology
PSY 2303	Developmental Psychology
PSY 2304	Psychology of Health
PSY 3302	Social and Organizational Psychology
PSY 3305	Interpersonal Relations and Conflict
PSY 3306	Human Sexuality and Genders

Concentration in Psychology (18 SCH)

Students must take 3 required courses, 1 non-degree credit workshop series, and choose 3 additional classes among the optional courses.

Required Courses (9 SCH)

Course Code	Course Name
PSY 3008	Advanced Psychopathology
PSY 3009	Learning, Motivation and Reward
PSY 4000	Careers in Psychology Workshop Series
PSY 4301	Psychometric Instruments for Psychological Assessment

Optional Courses (9 SCH)

Course Code	Course Name
PSY 2301	Applied Psychology to Culture
PSY 3301	Child and Adolescent Psychology
PSY 3303	Psychology of Adulthood and Aging
PSY 3398	Special Topics in Clinical & Cognitive Psychology
PSY 3399	Special Topics in Sociological & Developmental Psychology
PSY 4302	Theory and Practice of Psychotherapy
PSY 4303	Psychology of Crises
PSY 4304	Advanced Research Methods and Statistics in Psychology

Bachelor of Science in Territorial Planning and Management (123 SCH)

Program Description

The B.Sc. program in Territorial Planning and Management introduces students to the theories and methods of urban and regional planning, environmental monitoring, and resource management.

In an age of new ICTs and the knowledge economy, the tools of spatial analysis are being applied to a diverse range of public and private endeavors, including environmental monitoring, emergency relief, policing, city management, forestry, and geomarketing. In particular, an increasing number of businesses and agencies of all sizes need expertise in geomatics and Geographic Information Systems (GIS) in order to improve and expand their services.

Program Objectives

The B.Sc. program in Territorial Planning and Management aims to educate professionals able to contribute to urban and regional planning processes, to the management of resources, infrastructure and services, and to environmental monitoring. As territorial planning and management principles and technologies are universally applicable, graduates of the program will be eligible for employment in Morocco, as well as abroad.

Intended Learning Outcomes

Graduates of the B.Sc. program in Territorial Planning and Management will be expected to:

1. Master a range of geospatial technologies, including GIS and Remote Sensing;
2. Master a range of data collection techniques and analysis;
3. Master the qualitative and quantitative methods of spatial analysis; and
4. Understand the main theories of urban and regional planning and of environmental and resource management.

Territorial Planning and Management Major Core (16 SCH)

Course Code	Course Name
GEO 1301	Introduction to Geography
GEO 2306	Geographic Information System
GEO 3303	Advanced GIS and Remote Sensing
PLN 2301	Theories of Territorial Planning
SSC 3405	Field Methods

Concentrations

Students are required to choose one concentration of the two available:

Concentration in Environmental Management

Required Courses (27 SCH)

Students must take the **four** following courses **(12 SCH)**:

Course Code	Course Name
GEO 2305	Sustainable Earth Systems
SSC 2310	Development Policy
PLN 3301	Project Management
PSC 3315	Environmental Laws and Policies

In addition, students must choose **five** courses from the following **(15 SCH)**:

Course Code	Course Name
ENV 3301	Resource Management
ENV 3302	Renewable Energy and Conservation
ENV 3304	Environmental Risk Management
ENV 3305	Agriculture and Food Systems
ENV 3399	Special Topics in Environmental Studies
HUM 2315	Environmental Ethics
PLN 3305	Designing with the Environment
SSC 2340	Demography

Concentration in Applied Geographic Information Systems

Required Courses (27 SCH)

Students must take the **four** following courses **(12 SCH)**:

Course Code	Course Name
GEO 3306	Geomatics
GEO 4303	Geospatial Monitoring and Modeling
GEO 4304	Cartography and Data Visualization
PLN 3302	GIS for Local Planning

In addition, students must choose **five** courses from the following **(15 SCH)**:

Course Code	Course Name
ENV 3301	Resource Management
ENV 3302	Renewable Energy and Conservation
ENV 3304	Environmental Risk Management
ENV 3305	Agriculture and Food Systems
ENV 3399	Special Topics in Environmental Studies

GEO 3304	Geomarketing
PLN 3301	Project Management
PLN 3303	Urban and Regional Planning in Morocco
PLN 3305	Designing with the Environment
PLN 3399	Special Topics in Territorial Planning

Required Minor for BSc. TPM Majors (15 SCH)

Territorial Planning and management majors must complete one of the following minors: Human Resource Development, National HRD, Communication Studies, Organizational Studies, African Studies, Gender Studies, Psychology, Computer Science, or Business Administration. Students can also choose to opt for a minor in consultation with their academic advisors. Students selecting the minor in Computer Science or Business Administration need to ensure that they satisfy any additional prerequisite courses in their minor.

Electives (9 SCH)

TPM Students are required to take three electives in any area of interest in consultation with their academic advisors.

Total: 123 SCH

Gender Studies (15 SCH)

Required Courses (15 SCH)

Course Code	Course Name
COM 3315	Media and Gender
SSC 2315*	Sex, Gender and Power
SSC 3311	Women and Economic Development
SSC 3316	Gender, Politics and Society

*It is recommended that students choosing this minor take SSC 2315 before they take the remaining three courses.

In addition, students must complete **one** optional course from the following, or one offered in SHSS majors **(3 SCH)**:

Course Code	Course Name
PSY 3306	Human Sexuality and Gender
SSC 3398	Special Topics in Gender Studies
xxx xxxx	Any optional course from among those offered in the various SHSS majors

Psychology Minor (15 SCH)

Required Courses (6 SCH)

Course Code	Course Name
PSY 1303	Clinical Psychology & Psychopathology
PSY 2302	Cognitive Sciences & Cognitive Psychology

In addition, students must choose **three** of the following courses **(9 SCH)**:

Course Code	Course Name
PSY 2303	Developmental Psychology
PSY 2304	Psychology of Health
PSY 2304	Human Sexuality and Gender
PSY 3302	Social/Organizational Psychology
PSY 3305	Interpersonal Relations and Conflict Resolution

International Studies (15 SCH)

Required Courses (6 SCH)

Course Code	Course Name
INS 2301	Theories of International Relations
PSC 2301*	Comparative Political Systems

**Students minoring in IS must take PSC 2301 as part of the minor. They may take HIS 1301, HIS 2301, HUM 1310 or HUM 2302 to fulfill GenEd.*

In addition, students must choose **two** of the following courses **(6 SCH)**:

Course Code	Course Name
ECO 2310	Introduction to International Economics
GEO 1301	Introduction to Geography
HIS 3301	International History: 1914 to the present
INS 3303	International Law

In addition, students take **one** optional course from within the International Studies concentrations **(3 SCH)**.

Communication Studies (16-18 SCH)

Required Courses (10 SCH)

Course Code	Course Name
COM 1304	New Media Technology
COM 2427	Art and Design Production
COM 3330 or COM 3303	Organizational Communication or Global Communication and Media Policy

In addition, students must choose **two** courses from the following **(6-8 SCH)**:

Course Code	Course Name
COM 2403	Photography and Visual Story Telling
COM 2404	Introduction to Film Making
COM 3301	Public Relations Communication
COM 3304	Alternative Media
COM 3311	Marketing Communication
COM 3315	Media and Gender
COM 3321	Moroccan Media and Society
COM 3328	Media Analysis
COM 3330	Organizational Communication
COM 3398	Special Topics in Media
COM 3399	Special Topics in Communication
COM 3402	Advanced Film Production
COM 4401	Digital Advertising Production
COM 4304	Communication and Development
COM 4405	Media Production Project Seminar

Human Resource Development (16 SCH)

Required Courses (10 SCH)

Course Code	Course Name
HRD 2300	Introduction to Human Resource Development
HRD 2301 or HRD 3302	Business Environment and Ethics for HRD or Ethics in Professional Contexts
HRD 3401	Human Capital Management

In addition, students must complete any **two** courses from the list below **(6 SCH)**:

Course Code	Course Name
HRD 3303	Training and Development
HRD 3304	Strategic HRD
HRD 3399	Special Topics in HRD
HRD 4302	Needs Assessment and Organizational Effectiveness
HRD 4303	Leadership & Management Development
HRD 4304	Consulting for HRD
HRD 4306	Organizational Development and Change
HRD 4307	Career Management & Development
HRD 4308	Global HRD

Organizational Studies (15-17 SCH)

Required Courses (9 SCH)

Course Code	Course Name
COM 1304*	New Media Technology
HRD 2300	Introduction to Human Resources Development
PSY 3302	Social/Organizational Psychology

*BA students who have taken MGT 3305 cannot take PSY 3302. They should take an additional course from the list here below.

In addition, students may select any **two** courses from the following **(6-8 SCH)**:

Course Code	Course Name
COM 2427	Art and Design Production
COM 3311	Marketing Communication
COM 3330	Organizational Communication
COM 4401	Digital Advertising Production
HRD 3303	Training and Development
HRD 3304	Strategic HRD
HRD 3305	Principles of Human Resource Development
HRD 3399	Special Topics in HRD
HRD 3401	Human Capital Management
HRD 4302	Needs Assessment and Organizational Effectiveness
HRD 4303	Leadership and Management Development
HRD 4304	Consulting for HRD
HRD 4305	Organizational Development and Change for NHRD
HRD 4306	Organizational Development and Change
HRD 4307	Career Management and Development

African Studies (15 SCH)

Required Courses (9 SCH)

Course Code	Course Name
HIS 2371	History & Cultures of Sub-Saharan Africa
HUM 2371	Popular Culture in Africa
PSC 2371	Introduction to African Politics

In addition, students must choose any **two** courses out of the following **(6 SCH)**:

Course Code	Course Name
HIS 3311	Modern Algeria

INS 3371	Africa in World Politics
INS 3372	Conflict in Contemporary Africa
INS 3373	US Relations with Sub-Saharan Africa
INS 3374	EU Relations with Sub-Saharan Africa
LIT 3371	African Literature
SSC 2371	Ethnography in Africa
SSC 3371	Urbanization in Sub-Saharan Africa
SSC 3372	The Political Economy of Development in Africa
SSC 3379	Special Topics in African Studies

Minor in English (15 SCH)

Students are required to take **two** writing classes and three literature courses from the following:

Writing Courses (6 SCH)

Course Code	Course Name
ENG 2311	Translation
ENG 2312	News Reporting: An Introduction
ENG 2313	Nonfiction Narrative
ENG 2320	Creative Writing

Literature Courses (9 SCH)

Course Code	Course Name
LIT 3310	American Literature: Survey(s)
LIT 3370	Aesthetics
LIT 3371	African Literature: Survey(s)
LIT 3373	British Literature: Survey(s)
LIT 3374	French Literature: Survey(s)
LIT 3375	Moroccan Literature: Survey(s)

**Some literature courses are labeled with general titles and include the selection of specific topics currently proposed within these headings.*

Business Administration (15 SCH)

Required Courses (15 SCH)

Course Code	Course Name
ACC 2301	Accounting Principles I
ECO 2301	Microeconomics
ECO 2302	Macroeconomics

In addition, students must complete **two** courses from the following options **(6 SCH)**:

Course Code	Course Name
FIN 3301	Principles of Finance
GBU 3302	Business Law and Ethics
MIS 3301	Management Information Systems
MGT 3301	Principles of Management
MKT 3301	Principles of Marketing

Computer Science (15 SCH)

Required Courses (6 SCH)

Course Code	Course Name
CSC 2302*	Data Structures
CSC 2303	Advanced Programming

**CSC 1401 is a prerequisite to CSC 2302, students choosing Computer Science as a minor will need to take it instead of CSC 1300.*

In addition, students must complete any **three** of the following courses **(9 SCH)**:

Course Code	Course Name
CSC 2304	Computer Architecture
CSC 3324	Software Engineering
CSC 3326	Database Systems
CSC 33xx	Any advanced (3000-level) CSC course

Leadership (16 SCH)

Required Courses (13 SCH)

Course Code	Course Name
LDR 1201 and LDR 1202*	1st year program of Leadership Development Institute
LDR 2301	Personal Development for Leadership
LDR 4301	Leadership Practicum
HRD 4303	Leadership and Management

**Prerequisites: completion of AUI's Community Involvement Program (CIP) requirement or Service Learning Program (SLP) requirement; acceptance into LDI's 1st year program.*

Note: *this is a one-year program starting in the fall; both semesters must be completed in sequence; the sequence must be done before LDR 4301.*

In addition, students must choose **one** out of the following courses **(3 SCH)**:

Course Code	Course Name
COM 3306	Global Communication and Media Policy
GBU 3302	Legal Environment and Ethics

HRD 2301 or HRD 3302	Legal Environment and Ethics for HRD or Ethics in Professional Contexts
HRD 4306	Organizational Development and Change
MGT 3305	Organizational Behavior
MGT 3306	Conflict Management
MGT 4308	Management of Change
MGT 4312	Project Management
MGT 4314	Cross-cultural Management
PSC 3311	Politics in the Developing World
PSY 1301 or SOC 1301*	Introduction to Psychology or Introduction to Sociology
PSY 2304	Psychology of Health
PSY 3305	Interpersonal Relations and Conflict Resolution
SSC 3316	Women in Society and Politics

Electives (9 SCH)

TPM Students are required to take three electives in any area of interest in consultation with their academic advisors.

Total: 126-129 SCH

Minors in the School of Humanities and Social Sciences

Minor in English

With an eye toward curriculum development appropriate for a liberal arts University, the English Unit of Al Akhawayn University is offering a Minor in English. This minor encompasses both literature and writing courses and is offered to undergraduate students as an enhancement to majors in order to leverage further the advantages of an Anglophone education.

The advantages of an English Minor seem clear. Besides a fitting and necessary addition to existing majors, this minor provides further emphasis on the international nature of an education at Al Akhawayn University, in addition to leveraging further the benefits of an English-language education.

The Minor in English means to provide precisely the perspective on English writing and literature necessary to an Anglophone institution of learning, and provides students with a greater access to, involvement, and experience with their language of instruction heretofore unavailable at AUI.

Intended Learning Outcomes

After fulfilling the Minor requirements, Students should be:

1. Aware of distinct trends in modern Anglophone literature.
2. Proficient in the array of analytical tools available for the study of written texts.
3. Able to write competently in a variety of genres, both creative and analytical.

4. Familiar with and skilled in the use of research tools and strategies appropriate to the study of literature and the development of specific categories of writing.

Minor Structure

Students are required to take two (2) writing classes and three (3) literature courses from those offered:

Writing Courses (12 SCH)

Course Code	Course Name
ENG 2311	Translation
ENG 2312	News Reporting: An Introduction
ENG 2313	Nonfiction Narrative
ENG 2320	Creative Writing

Literature Courses

Course Code	Course Name
LIT 3310	American Literature: Survey(s)
LIT 3370	Aesthetics
LIT 3371	African Literature: Survey(s)
LIT 3373	British Literature: Survey(s)
LIT 3374	French Literature: Survey(s)
LIT 3375	Moroccan Literature: Survey(s)

Some literature courses are labelled with general titles and include the selection of specific topics currently proposed within these headings.

Minor in International Studies (15 SCH)

The Minor in International Studies is offered to undergraduate students not majoring in International Studies.

Intended Learning Outcomes

Graduates of the International Studies Minor are expected to

1. Demonstrate knowledge of international affairs;
2. Demonstrate an understanding of the critical issues facing the world today; and
3. Be able to write research papers and reports.

Required Courses (6 SCH)

Students minoring in International Studies take the following two courses.

Course Code	Course Name
INS 2301	Theories of International Relations
PSC 2301[1]	Comparative Political Systems

[1]Students minoring in International Studies must take PSC 2301 as part of the minor. They may take HIS 1301, HIS 1302, or HIS 2301 to fulfill the GenEd.

Optional Courses (6 SCH)

Students minoring in International Studies take two of the following courses.

Course Code	Course Name
ECO 2310[1]	Introduction to International Economics
GEO 1301	Introduction to Geography
HIS 3301	International History: 1914 to the Present
INS 3303	International Law

[1]ECO 2310 is only open to students who are not taking ECO 2301 and ECO 2302 in fulfillment of other degree requirements.

Optional course from International Studies (3 SCH)

In addition, students minoring in International Studies take one optional course (3 SCH) from within the International Studies concentrations.

Minor in Gender Studies (15 SCH)

Students selecting this minor must take four Gender Studies courses and one additional course that may be selected from any Humanities and Social Sciences majors, including SSC 3398 Special Topics in Gender Studies.

Intended Learning Outcomes

Graduates of the Gender Studies Minor are expected to:

- Have an understanding of the history and development of feminist theories, including poststructuralist and postcolonial feminist theories;
- Demonstrate extensive knowledge of gender-related issues in North Africa and the Middle East;
- Be able to identify and analyze contemporary gender issues using feminist theories and research methods; and
- Be able to write research papers and reports, including critical analytical academic papers.

Required Courses (12 SCH)

Course Code	Course Name
COM 3315	Media and Gender
SSC 2315[1]	Sex, Gender, and Power
SSC 3311	Women and Economic Development
SSC 3316	Gender, Politics, and Society

[1]It is recommended that students choosing this minor take the course SSC 2315 before they take the remaining three courses.

Optional Courses in the School of Humanities and Social Sciences (3 SCH)

In addition, students minoring in Gender Studies take one optional course from among those offered in the various SHSS majors.

Minor in African Studies (15 SCH)

The Minor in African Studies requires courses covering the basic concepts and tools necessary to analyze issues related to the African continent. Students

choose three optional classes. The course SSC 3379 Special Topics in African Studies should be available for the School of Business Administration and for the School of Science and Engineering to give an opportunity to faculty to present topics relevant to their respective disciplines.

Intended Learning Outcomes

Graduates of the African Studies Minor are expected to have an understanding of

- The history, culture, and politics of Sub-Saharan Africa;
- How Africa relates to other world regions both historically and today;
- Critical issues and problems that Africa currently faces.

Required Courses (9 SCH)

Students minoring in African Studies take the **three** following courses:

Course Code	Course Name
HIS 2371	Histories of Sub-Saharan Africa
HUM 2371	Popular Culture in Africa
PSC 2371	Introduction to African Politics

Optional Courses (6 SCH)

In addition, students take any **two** of the following optional African Studies courses:

Course Code	Course Name
HIS 3311	Northern Africa
LIT 3371	African Literature
INS 3371	Africa in World Politics
INS 3372	Conflict in Contemporary Africa
SSC 2371	Ethnography in Africa
SSC 3371	Urbanization in Sub-Saharan Africa
SSC 3372	Political Economy of Development in Africa
SSC 3373	North African Cities
SSC 3379	Special Topics in African Studies

Minor in Human Resource Development (16 SCH)

Non-HRD Students may minor in Human Resource Development by completing 16 SCH as described below.

Intended Learning Outcomes

Graduates in HRD will be able to

- Understand HRD as a professional field of practice;
- Understand the strategic role of HRD in enhancing organizational performance;
- Develop employee leadership skills and identify the various factors that can influence employee behavior; and

- Understand how ethics affect organizations as well as HR practices.

Required Courses (10 SCH)

Students minoring in HRD are required to take the following three courses.

Course Code	Course Name
HRD 2300	Introduction to Human Resource Development
HRD 2301 or HRD 3302[1]	Business Environment and Ethics for HRD or Ethics in Professional Contexts
HRD 3401	Human Capital Management

[1]BA majors are required to take HRD 3302 instead of HRD 2301. In addition, there are several courses in MGT and HRD that are equivalent and can be substituted for each other, but the student cannot take both: MGT 3305 and PSY 3302, MGT 4305 and HRD 4303, or MGT 4308 and HRD 4306.

Optional Courses (6 SCH)

In addition, students take **two** of the following optional HRD courses:

Course Code	Course Name
HRD 3303	Training and Development
HRD 3304	Strategic HRD
HRD 3399	Special Topics in HRD
HRD 4302	Needs Assessment and Organizational Effectiveness
HRD 4303	Leadership and Management Development
HRD 4304	Consulting for HRD
HRD 4306	Organizational Development and Change
HRD 4307	Career Management and Development
HRD 4308	Global HRD

Minor in National Human Resource Development (16 SCH)

Any AUI undergraduate student can pursue this minor by completing 15 SCH as described below. This minor is highly recommended to BAIS students.

Intended Learning Outcomes

Undergraduates in NHRD will be expected to:

- Understand Human Resource Development (HRD) as an agent of societal and national development;
- Recognize the components of National HRD (NHRD) from a global perspective;
- Distinguish between different NHRD practices, approaches, and visions at both national and international levels;
- Identify and use different indices and measures to assess NHRD practices and processes in different countries;
- Design NHRD actions and initiatives for societal development and growth.

Required Courses

Students minoring in NHRD take the following five courses:

Course Code	Course Name
HRD 3305	Principles of Human Resource Development
HRD 4301	National Human Resource Development
HRD 4305	Organizational Development and Change for NHRD
HRD 4309	Global NHRD
HRD 4310	Government Policy in NHRD

Minor in Organizational Studies (15-16 SCH)

The Minor in Organizational Studies combines courses from the Communication Studies and HRD programs. HRD and Communication Studies majors cannot select this minor. Students who select the Minor in Organizational Studies must complete 15 to 16 credits as described below.

Intended Learning Outcomes

Graduates with Minors in Organizational Studies will be expected to

1. Understand HRD as a professional field of practice;
2. Understand the strategic role of HRD to enhance organizational performance;
3. Develop and unleash human expertise through different HRD tools and techniques;
4. Understand the role of communication in organizations; and
5. Acquire proficiency in interpersonal and communication skills necessary for successful integration into professional environments.

Required Courses (9 SCH)

Students minoring in Organizational Studies take the following **three** courses:

Course Code	Course Name
COM 2301 or COM 1304[1]	Professional Communication or New Media Technology
HRD 2300	Introduction to Human Resource Development
PSY 3302[2]	Social/Organizational Psychology

[1]SHSS students must take COM 1304

[2]Students who have taken MGT 3305 cannot take PSY 3302. They should take an additional course from the list below.

Optional Courses (Two Courses) (6-8 SCH)

In addition, students take **two** of the following optional courses:

Course Code	Course Name
COM 2427	Art and Design Production
COM 3311	Marketing Communication
COM 3330	Organizational Communication
COM 4401	Digital Advertising Production
HRD 3303	Training and Development

HRD 3304	Strategic HRD
HRD 3305	Principles of Human Resource Development
HRD 3306	Program and Project Management
HRD 3399	Special Topics in HRD
HRD 3401	Human Capital Management
HRD 4302	Needs Assessment and Organizational Effectiveness
HRD 4303	Leadership and Management Development
HRD 4304	Consulting for HRD
HRD 4305	Organizational Development and Change for NHRD
HRD 4306	Organizational Development and Change
HRD 4307	Career Management and Development

Minors in Communication Studies (16-18 SCH)

Depending on their majors, non-Communication Studies majors may select one of the two minors in Communication studies below. Depending on their majors, non-Communication Studies majors may select one of the two minors in Communication Studies below.

Intended Learning Outcomes

Graduates of the Communication Studies Minor are expected to

- Have an understanding of the role and dynamics of media in shaping contemporary societies and cultures and in fostering democracy and informed citizenship;
- Be able to critically evaluate the functions of media and communication in different areas and from a variety of analytical and theoretical perspectives; and
- Will have acquired proficiency in interpersonal communication skills necessary for successful integration into professional environments.

Communication Minor for SHSS Students (10 SCH)

Required Courses

Course Code	Course Name
COM 1304	New Media Technology
COM 2427	Art & Design Production
COM 3330 COM 3303	Organizational Communication or Global Communication and Media Policy

Communication Minor for SBA and SSE Majors (10 SCH)

Required Courses

Course Code	Course Name
COM 1304	New Media Technology
COM 2301	Professional Communication
COM 2427	Art & Design Production

Optional Concentration Courses (6-8 SCH)

In addition, students must select two courses from the following:

Course Code	Course Name
COM 2403	Photography and Visual Story Telling
COM 2404	Introduction to Film Making
COM 3301	Public Relations and Communication
COM 3304	Alternative Media
COM 3311	Marketing Communications
COM 3315	Media and Gender
COM 3321	Moroccan Media and Society
COM 3328	Media Analysis
COM 3330	Organizational Communication
COM 3398	Special Topics in Media
COM 3399	Special Topics in Communication
COM 3402	Advanced Film Production
COM 4304	Communication and Development
COM 4401	Digital Advertising Production
COM 4405	Media Production Project Seminar

Minor in Psychology (16-18 SCH)

The Minor in Psychology aims at responding to the increasing market demand for professionals who have an understanding of the human psyche. It offers future professionals theoretical knowledge and practical skills in order to better understand themselves and others, and to reach their full potential, both personally and professionally. It also aims at addressing the chronic shortage of health professionals that are equipped to treat Moroccans with mental illness. The Minor in Psychology is designed for students from all Majors and all Schools who wish to work in professions that would benefit from greater understanding of the human psyche and/or who would like to be candidates to Master degrees in Psychology in the American system, based on acceptance and validation of added foundation courses.

Intended Learning Outcomes

Graduates of the Communication Studies Minor are expected to:

- Explore Psychology as a scientific approach to understanding human thoughts, emotions, and behaviors;
- Recognize, and therefore welcome, human diversity;

- Obtain in-depth knowledge in chosen psychological domains, depending on their interests; and
- Use psychological knowledge to understand everyday phenomena and develop transferable skills useful in the broader employment sector

Prerequisite: PSY 1301 is the only pre-requisite to all classes of the minor in Psychology.

Required Courses (6 SCH)

Students minoring in Psychology take the following **two** courses:

Course Code	Course Name
PSY 1303	Clinical Psychology & Psychopathology
PSY 2302	Cognitive Sciences & Cognitive Psychology

In addition, students must select **three** courses from the following:

Optional Courses (9 SCH)

Course Code	Course Name
PSY 2303	Developmental Psychology
PSY 2304	Psychology of Health
PSY 3302	Social/organizational Psychology
PSY 3305	Interpersonal Relations and Conflict Resolution
PSY 3306	Human Sexuality and Gender

SCHOOL OF SCIENCE AND ENGINEERING

Dr. Tajje-Eddine Rachidi,
Dean
Dr. Abdelkrim Ouardaoui,
Student Affairs Coordinator
Dr. Yassine Salih Alj,
General Engineering Based Programs Coordinator
Dr. Ilham Kissani,
Engineering and Management Science Based Programs Coordinator
Dr. Nasser Assem,
Computer Science Based Programs Coordinator

Fulltime Faculty: F.M. Abbou, M.R. Abid, A. Amar, N. Assem, M. Azzouz, A. Bentamy, S. Bourhnane, V. Cavalli-Sforza, F. Chaatit, H. Chakiri, M. Chraibi, Y. Chtouki, H. Darhmaoui, A. El Asli, M. El Azhari, A. El Boukili, S. El Hajjaji, B. Falah, H. Harroud, S. Haskouri, O. Iraqi Houssaini, E.M. Kalmoun, D. Kettani, A. Khaldoune, M. H. Khalili, A. Khallaayoun, A. Kasanova, I. Kissani, L. Laayouni, I. Latachi, R. Lghoul, H. Lhou, J. Lotfi, K. Loudiyi, A. Mourhir, A. Ouardaoui, T. Rachidi, N. Rhiati, S. Samadi, K. Sendide, N. Sheikh, K. Smith, H. Talei, L. Tenghiri, V. Van Lierde, R. Zine

Accreditation
The Bachelor of Science in Computer Science (BSCSC) program is accredited by the Computing Accreditation Commission (CAC) of ABET, www.abet.org.

Accreditation
The Bachelor of Science in General Engineering (BSGE) and the Bachelor of Science in Engineering and Management Science (BSEMS) programs are accredited by the Engineering Accreditation Committee (EAC) of ABET, www.abet.org.

Mission

The school's mission is to foster the growth of engineering and scientific knowledge and its application through education and research, with special emphasis on the development needs of Morocco. In its activities, the school seeks to:

- Attract top students and students with great potential, and to prepare them for careers in different engineering, computing, and science-related fields, according to current market needs.
- Produce graduates with a strong core understanding in basic science, engineering, computing, and mathematics and who have the ability to continue to learn how to apply acquired knowledge, skills, and attitudes to a wide range of real-world problems.
- Prepare students to succeed as leaders, professionals, life-long learners, and responsible citizens.
- Produce graduates with communication skills that will enable them to communicate effectively with people from many disciplines.
- Promote research, scholarship, and creative endeavors with an emphasis on research and development, as well as entrepreneurship activities.
- Interact and cooperate with other academic institutions, professional bodies, and the community for the benefits of science, engineering, and education.
- Play a leadership role in the economic and social development of Morocco.

SSE Undergraduate Programs

The School of Science and Engineering prepares well-rounded graduates with a solid practical and theoretical background to succeed in professional work and in graduate studies.

SSE offers 11 Bachelor of Science (B.Sc.) Degree Programs, distributed over three major disciplines: Computing (CSC), Engineering and Management Science (EMS), and General Engineering (GE).

Eight Computing-based degree programs under the Bachelor of Science (B.Sc.) are offered at the undergraduate level. These are:

- B.Sc. in Computer Science (BSCSC)
- B.Sc. in Artificial Intelligence and Robotization (BSAIR)
- B.Sc. in Big Data Analytics (BSBDA)
- B.Sc. in Cloud and Mobile Software Design and Development
- B.Sc. in Digital Industry (BSDI)
- B.Sc. in Computer Systems (BSCSys)

Three Engineering and Management Science-based degree programs under

the Bachelor of Science (B.Sc.) are offered at the undergraduate level:

- B.Sc. in Engineering and Management Science (BSEMS)
- B.Sc. in Engineering Decision Support Systems (BSEDSS)
- B.Sc. in Manufacturing and Logistics Engineering (BSMLE)

Two General Engineering-based degree programs under the Bachelor of Science (B.Sc.) are offered at the undergraduate level:

- B.Sc. in General Engineering (BSGE)
- B.Sc. in Renewable Energy Systems Engineering (BSRESE)

The BSCSC, BSGE and BSEMS are accredited by the Computing Accreditation Commission of ABET (www.abet.org). SSE is pursuing ABET-CAC accreditation for BSAIR, BSBDA, BSCMS2D, BSDI, and BSCSys, and ABET-EAC accreditation for the programs BSEDSS, BSMLE, and BSRESE. For students who meet certain requirements, the bachelor's degree programs may be taken as a part of a combined BS/MS program with a Master of Science in Software Engineering, Big Data Analytics, Digital Transformation, Financial Technology, or Sustainable Energy Management. Students who complete a combined program must satisfy the accreditation requirements for both degrees. For further information, see the graduate program section.

Our programs are designed to produce engineers and computing professionals who can analyze and synthesize situations; who can find solutions to problems; who have a high degree of initiative, creativity, and rigor; and who favor working as part of a team. A unique feature of AUI SSE graduates is the ability to function effectively in multilingual, international settings.

These programs provide students with specialized, advanced skills that enable them to be highly effective in their areas of concentration, yet also give them sufficient breadth to learn new technologies quickly. This combination equips students with great potential for (i) relevance to the Moroccan and global market at graduation, and (ii) career advancement and professional development.

Students in the Computing-based programs must elect a minor as part of the degree requirements. Students in the BSGE and BSEMS programs can tailor a thematic elective area and technical electives to match their interests. The software engineering thematic area leverages the traditional strengths of SSE, and the international engineering thematic area allows students to explore engineering disciplines as part of a study abroad experience.

In addition to the academic training offered in class at Al Akhawayn, our students have the opportunity to take part in exchange programs with numerous partner universities abroad and to work on joint research and development projects in the industry.

1. Bachelor of Science in Computer Science

The B.Sc. in Computer Science (BSCSC) program is designed to provide the student with a strong core understanding of the concepts of computation using

modern software and hardware. The program gives students breadth knowledge in computer science across different subject areas, such as computer science theory, design and implementation of computing systems (problem solving), and distributed systems.

The BSCSC program's long term educational objectives are to prepare graduates within 3-5 years after graduation, with an ability to:

1. Utilize computer science knowledge, attitudes, and skills, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;
3. Contribute to Morocco's IT Industry and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSCSC, students are expected to be able to:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

The 136 SCH BSCSC degree consists of five areas:

1. General Education (30 SCH)
2. Mathematics, Sciences and Engineering (30 SCH)
    a. Mathematics, Sciences and Engineering Requirements (26 SCH)
    b. Basic Sciences Elective (4 SCH)
3. Computer Science Major (55 SCH)
    a. Computer Science Core (41 SCH)
    b. Computing and Engineering Elective (2 SCH)
    c. Computer Science Major courses (9 SCH)
    d. Advanced Computing Elective (3 SCH)

4. Minor (15 SCH)
5. Free Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

*FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

Area 2: Mathematics, Sciences and Engineering (30 SCH)

Mathematics, Sciences and Engineering Requirements (26 SCH)

Course Code	Course Name
EGR 2302	Engineering Economics
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 1304	Discrete Mathematics
MTH 2301	Calculus II: Multivariable Calculus
MTH 2320	Linear and Matric Algebra
MTH 3301	Probability and Statistics for Engineers
PHY 1401	Physics I
PHY 1402	Physics II

Basic Sciences Electives (4 SCH)

Course Code	Course Name
BIO 1401	Principles of Biology
BIO 1402	Environmental Biology
CHE 1401	Chemistry I

Area 3: Computer Science Major (55 SCH)

Computer Science Core (41 SCH)

Course Code	Course Name
CSC 1401	Computer Programing
CSC 2302	Data Structures
CSC 2305	Computer Organization and Architecture
CSC 2306	Object Oriented Programming
CSC 3315	Languages and Compilers
CSC 3323	Analysis of Algorithms
CSC 3324	Software Engineering
CSC 3326	Database Systems
CSC 3351	Operating Systems
CSC 3371	Computer Communications and Networks
CSC 3374	Advanced and Distributed Programming Paradigms
EGR 4300	Internship
EGR 4402	Capstone Design

Computing and Engineering Elective (2 SCH)

Course Code	Course Name
EGR 3203	Applied Undergraduate Research
EGR 3204	Robotics Competitions
EGR 3271	Innovation and Entrepreneurship
CSC 3261	Computer Programming Competitions
CSC 3281	Ethical Hacking
CSC 3291	Analytics Competitions

Computer Science Major Courses (9 SCH)

Course Code	Course Name
CSC 4301	Introduction to Artificial Intelligence
CSC 4307	Agile Software Engineering and DevOps
CSC 4308	Cyber Security

Advanced Computing Elective (3 SCH)

Course Code	Course Name
CSC 43xx	Any from other Advanced Computing courses

Area 4: Minor (15 SCH)

A BSCSC major must select a minor area outside of Computing and complete at least 15 SCH in this minor.

Area 5: Free Electives (6 SCH)

A BSCSC major must complete 6 SCH of free electives.

Total: 136 SCH

2. Bachelor of Science in Artificial Intelligence and Robotization

The B.Sc. in Artificial Intelligence and Robotization (BSAIR) program will give students the fundamental concepts and practical skills needed to transform data such as images, videos, language, and other unstructured data into actionable decisions. The BSAIR curriculum is set to train students to combine theory and practical skills in computer science, mathematics, computational modeling, machine learning, symbolic computation, and software development in order to build robotized solutions for industry and commerce.

The BSAIR program's long term educational objectives are to prepare graduates within 3-5 years after graduation, with an ability to:

1. Utilize computer science knowledge, attitudes, and skills, specifically in Artificial Intelligence and Robotization, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;
3. Contribute to Morocco's IT Industry and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSAIR program, students will be able to:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Use Artificial Intelligence and Robotization theory and fundamentals to produce AI-based solutions.

The 136 SCH BSAIR degree consists of five areas:

1. General Education (30 SCH)
2. Mathematics, Sciences and Engineering (30 SCH)
    a. Mathematics, Sciences and Engineering Requirements (26 SCH)
    b. Basic Sciences Elective (4 SCH)
3. Artificial Intelligence and Robotization Major (55 SCH)
    a. Computer Science Core (41 SCH)
    b. Computing and Engineering Elective (2 SCH)
    c. AI and Robotization Major courses (9 SCH)
    d. Advanced Computing Elective (3 SCH)
4. Minor (15 SCH)
5. Free Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

*FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

Area 2: Mathematics, Sciences and Engineering (30 SCH)

Mathematics, Sciences and Engineering Requirements (26 SCH)

Course Code	Course Name
EGR 2302	Engineering Economics
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 1304	Discrete Mathematics
MTH 2301	Calculus II: Multivariable Calculus
MTH 2320	Linear and Matrix Algebra
MTH 3301	Probability and Statistic for Engineers
PHY 1401	Physics I
PHY 1402	Physics II

Basic Sciences Elective (4 SCH)

Course Code	Course Name
BIO 1401	Principles of Biology
BIO 1402	Environmental Biology
CHE 1401	Chemistry I

Area 3: Artificial Intelligence and Robotization Major (55 SCH)

Computer Science Core (41 SCH)

Course Code	Course Name
CSC 1401	Computer Programming
CSC 2302	Data Structures
CSC 2305	Computer Organization and Architecture
CSC 2306	Object Oriented Programming
CSC 3315	Languages and Compilers
CSC 3323	Analysis of Algorithms
CSC 3324	Software Engineering
CSC 3326	Database Systems
CSC 3351	Operating Systems
CSC 3371	Computer Communications and Networks
CSC 3374	Advanced and Distributed Programming Paradigms
EGR 4300	Internship
EGR 4402	Capstone Design

Computing and Engineering Elective (2 SCH)

Course Code	Course Name
CSC 3261	Computer Programming Competitions
EGR 3204	Robotics Competitions

EGR 3271	Innovation and Entrepreneurship
EGR 4203	Applied Undergraduate Research

AI and Robotization Major Courses (9 SCH)

Course Code	Course Name
CSC 3347	Machine Learning and Data Mining
CSC 3348	Natural Language Processing and Text Mining
CSC 4301	Introduction to Artificial Intelligence

Advanced Computing Elective (3 SCH)

Course Code	Course Name
CSC 4302	Artificial Intelligence for Robotics
CSC 4303	Artificial Neural Networks
CSC 4304	Software Agents and Robotization
CSC 43xx	Any from other Advanced Computing courses

Area 4: Minor (15 SCH)

A BSAIR major must select a minor area outside of Computing and complete at least 15 SCH in this minor.

Area 5: Free Electives (6 SCH)

A BSAIR major must complete 6 SCH of free electives.

Total: 136 SCH

3. Bachelor of Science in Big Data Analytics

The Bachelor of Science in Big Data Analytics (BSBDA) program trains students on the theory and tools for storing, processing, visualizing, and analyzing massive and streaming data. Students will learn how to create horizontally scalable and efficient distributed data pipelines and analytics solutions.

The BSBDA program's long-term educational objectives are to prepare graduates within 3-5 years after graduation, with an ability to:

1. Utilize computer science knowledge, attitudes, and skills, specifically in Big Data, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;
3. Contribute to Morocco's IT Industry and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

Graduates of the BSBDA program will have an ability to:

1. Analyze a complex computing problem and to apply principles of

computing and other relevant disciplines to identify solutions.

2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Use Big Data Analytics frameworks, models, algorithms, and tools to produce data-oriented products and services.

The 136 SCH BSBDA degree consists of five areas:

1. General Education (30 SCH)
2. Mathematics, Sciences and Engineering (30 SCH)
    a. Mathematics, Sciences and Engineering Requirements (26 SCH)
    b. Basic Sciences Elective (4 SCH)
3. Big Data Analytics Major (55 SCH)
    a. Computer Science Core (41 SCH)
    b. Computing and Engineering Elective (2 SCH)
    c. Big Data Analytics Major courses (9 SCH)
    d. Advanced Computing Elective (3 SCH)
4. Minor (15 SCH)
5. Free Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**

History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

*FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

Area 2: Mathematics, Sciences and Engineering Requirements (26 SCH)

Course Code	Course Name
EGR 2302	Engineering Economics
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 1304	Discrete Mathematics
MTH 2301	Calculus II: Multivariable Calculus
MTH 2320	Linear and Matric Algebra
MTH 3301	Probability and Statistics for Engineers
PHY 1401	Physics I
PHY 1402	Physics II

Basic Sciences Elective (4 SCH)

Course Code	Course Name
BIO 1401	Principles of Biology
BIO 1402	Environmental Biology
CHE 1401	Chemistry I

Area 3: Big Data Analytics Major (55 SCH)

Computer Science Core (41 SCH)

Course Code	Course Name
CSC 1401	Computer Programming
CSC 2302	Data Structures
CSC 2305	Computer Organization and Architecture
CSC 2306	Object Oriented Programming
CSC 3315	Languages and Compilers
CSC 3323	Analysis of Algorithms

CSC 3324	Software Engineering
CSC 3326	Database Systems
CSC 3351	Operating Systems
CSC 3371	Computer Communications and Networks
CSC 3374	Advanced and Distributed Programming Paradigms
EGR 4300	Internship
EGR 4402	Capstone Design

Computing and Engineering Elective (2 SCH)

Course Code	Course Name
CSC 3261	Computer Programming Competitions
CSC 3291	Analytics Competitions
EGR 3203	Applied Undergraduate Research
EGR 3271	Innovation and Entrepreneurship

Big Data Analytics Major Courses (9 SCH)

Course Code	Course Name
CSC 3331	Introduction to Big Data Environment and Applications
CSC 4351	Statistical Analysis
CSC 4352	Big Data Analytics

Advanced Computing Elective (3 SCH)

Course Code	Course Name
CSC 3346	Data Engineering and Visualization
CSC 3349	Data Warehousing
CSC 43xx	Any from other Advanced Computing courses

Area 4: Minor (15 SCH)

A BSBDA major must select a minor area outside of Computing and complete at least 15 SCH in this minor.

Area 5: Free Electives (6 SCH)

A BSBDA major must complete 6 SCH of free electives.

Total: 136 SCH

4. Bachelor of Science in Cloud and Mobile Software Design and Development

The Bachelor of Science in Cloud and Mobile Software Design and Development (BSCMS2D) program trains students to design and develop scalable enterprise-grade mobile and cloud applications, using software engineering principles, modern design patterns, new paradigms of cloud computing, and web services.

The BSCMS2D program's long term educational objectives are to prepare graduates within 3-5 years after graduation, with an ability to:

1. Utilize computer science knowledge, attitudes, and skills, specifically in Mobile and Cloud applications and architectures, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;
3. Contribute to Morocco's IT Industry and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSCMS2D program, students will be able to:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Analyze, design, develop, deploy, and maintain mobile application architectures to harness the power and flexibility of cloud-based web services and build scalable software.

The 136 SCH BSCMS2D degree consists of five areas:

1. General Education (30 SCH)
2. Mathematics, Sciences and Engineering (30 SCH)
    a. Mathematics, Sciences and Engineering (26 SCH)
    b. Basic Sciences Elective (4 SCH)
3. Cloud and Mobile Software Design & Dev. Major (55 SCH)
    a. Computer Science Core (41 SCH)
    b. Computing and Engineering Elective (2 SCH)
    c. Cloud and Mobile Software Design & Dev. Major courses (9 SCH)
    d. Advanced Computing Elective (3 SCH)
4. Minor (15 SCH)
5. Free Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

*FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

Area 2: Mathematics, Sciences and Engineering (30 SCH)

Course Code	Course Name
EGR 2302	Engineering Economics
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 1304	Discrete Mathematics
MTH 2301	Calculus II: Multivariable Calculus
MTH 2320	Linear and Matrix Algebra
MTH 3301	Probability and Statistics for Engineers
PHY 1401	Physics I
PHY 1402	Physics II

Basic Sciences Elective (4 SCH)

Course Code	Course Name
BIO 1401	Principles of Biology
BIO 1402	Environmental Biology
CHE 1401	Chemistry I

Area 3: Digital Industry Major (54 SCH)

Computer Science Core (41 SCH)

Course Code	Course Name
CSC 1401	Computer Programming
CSC 2302	Data Structures
CSC 2305	Computer Organization and Architecture
CSC 2306	Object Oriented Programming
CSC 3315	Languages and Compilers
CSC 3323	Analysis of Algorithm
CSC 3324	Software Engineering
CSC 3326	Database Systems
CSC 3351	Operating Systems
CSC 3371	Computer Communications and Networks
CSC 3374	Advanced and Distributed Programming Paradigms
EGR 4300	Internship
EGR 4402	Capstone Design

Computing and Engineering Elective (2 SCH)

Course Code	Course Name
CSC 3261	Computer Programming Competitions
CSC 3281	Ethical Hacking
EGR 3203	Applied Undergraduate Research
EGR 3271	Innovation and Entrepreneurship

Cloud and Mobile Software Design & Dev. Major Courses (9 SCH)

Course Code	Course Name
CSC 3332	Enterprise Cloud and Mobile Application Architecture, Design and Development
CSC 4306	Software Project Management
CSC 4307	Agile Software Engineering and DevOps

Elective Cloud and Mobile Software Design & Dev. Major Course (3 SCH)

Course Code	Course Name
CSC 3358	Blockchain Business Application
CSC 43xx	Any from other Advanced Computing courses

Area 4: Minor (15 SCH)

A BSCDI major must select a minor area outside of Computing and complete at least 15 SCH in this minor.

Area 5: Free Electives (6 SCH)

A BSCDI major must complete 6 SCH of free electives.

Total: 135 SCH

5. Bachelor of Science in Digital Industry

The Bachelor of Science in Digital Industry (BSDI) program trains students on the combination of electrical engineering and computer science skills, knowledge, and attitudes necessary for building robust, time-sensitive, cloud-based, and intelligent, fully-connected processes for the Digital Industry, including for smart manufacturing and logistics, smart homes and cities, and smart grids.

The BSDI program's long-term educational objectives are to prepare graduates within 3-5 years after graduation, with an ability to:

1. Utilize computer science knowledge, attitudes, and skills, specifically in embedded systems, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;
3. Contribute to Morocco's IT Industry and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSDI program, students will be able to:

1. Analyze a complex computing problem in an Industrial setting and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in Industry.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in

activities appropriate to the program's discipline.

6. Evaluate hardware and software requirements for communication and control applications.
7. Analyze, design, develop, deploy, and maintain Digital Industry application architectures to harness the power and flexibility of cloud-based web services and IoTs.

The 135 SCH BSCDI degree consists of five areas:

1. General Education (30 SCH)
2. Mathematics, Sciences and Engineering (30 SCH)
    a. Mathematics, Sciences and Engineering Requirements (26 SCH)
    b. Basic Sciences Elective (4 SCH)
3. Digital Industry Major (54 SCH)
    a. Computer Science and Engineering Core (40 SCH)
    b. Computing and Engineering Elective (2 SCH)
    c. Digital Industry Major courses (9 SCH)
    d. Advanced Computing Elective (3 SCH)[2]
4. Minor (15 SCH)
5. Free Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**

Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

*FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

Area 2: Mathematics, Sciences and Engineering (30 SCH)

Course Code	Course Name
EGR 2302	Engineering Economics
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 1304	Discrete Mathematics
MTH 2301	Calculus II: Multivariable Calculus
MTH 2320	Linear and Matric Algebra
MTH 3301	Probability and Statistics for Engineers
PHY 1401	Physics I
PHY 1402	Physics II

Basic Sciences Elective (4 SCH)

Course Code	Course Name
BIO 1401	Principles of Biology
BIO 1402	Environmental Biology
CHE 1401	Chemistry I

Area 3: Digital Industry Major (54 SCH)

Computer Science and Engineering Core (30 SCH)

Course Code	Course Name
CSC 1401	Computer Programming
CSC 2302	Data Structures
CSC 2305	Computer Organization and Architecture
CSC 3351	Operating Systems
CSC 3371	Computer Communications and Networks
EGR 2201	Introduction to Engineering and Design
EGR 2210	Computer Aided Engineering
EGR 2402	Electric Circuits
EGR 3306	Engineering Instrumentation and Mechatronics
EGR 3331	Digital Design
EGR 3319	Introduction to FPGA Design for Embedded

	Systems
EGR 4300	Internship
EGR 4402	Capstone Design

Computing and Engineering Elective (2 SCH)

Course Code	Course Name
EGR 3203	Applied Undergraduate Research
EGR 3204	Robotics Competitions
EGR 3271	Innovation and Entrepreneurship

Digital Industry Major Courses (9 SCH)

Course Code	Course Name
CSC 4328	Embedded Systems
EGR 4329	IoT and Big Data Streaming
EGR 4375	Cyber Physical Systems

Advanced Computing Elective (3 SCH)

Course Code	Course Name
CSC 4306	Cloud Application Development
CSC 4309	Industrial Robotics
CSC 4353	Advanced topics on Cyber-Physical Systems

Area 4: Minor (15 SCH)

A BSCDI major must select a minor area outside of Computing and complete at least 15 SCH in this minor.

Area 5: Free Electives (6 SCH)

A BSCDI major must complete 6 SCH of free electives.

Total: 135 SCH

6. Bachelor of Science in Computer Systems

The Bachelor of Science in Computer Systems (BSCSys) aims to graduate students with a strong background in computer science with emphasis on scalable IT infrastructure management, networking, cyber-security, distributed computing, and systems programming.

The BSCSys program's long-term educational objectives are to prepare graduates within 3-5 years after graduation, with an ability to:

1. Utilize computer science knowledge, attitudes, and skills, specifically in Computer Systems, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;

3. Contribute to Morocco's IT Industry and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSCSys program, students will have the ability to:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Plan, analyze, develop, deploy, administer, maintain, and secure software systems and services, with a strong knowledge of the context, including operating systems, hardware, and networks.

The 136 SCH BSCSys degree consists of five areas:

1. General Education (30 SCH)
2. Mathematics, Sciences and Engineering (30 SCH)
    a. Mathematics, Sciences and Engineering (26 SCH)
    b. Basic Sciences Elective (4 SCH)
3. Computer Systems Major (55 SCH)
    a. Computer Science Core (41 SCH)
    b. Computing and Engineering Elective (2 SCH)
    c. Computer Systems Major courses (9 SCH)
    d. Advanced Computing Elective (3 SCH)
4. Minor (15 SCH)
5. Free Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**

Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

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Area 2: Mathematics, Sciences and Engineering (30 SCH)

Course Code	Course Name
EGR 2302	Engineering Economics
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 1304	Discreet Mathematics
MTH 2301	Calculus II: Multivariable Calculus
MTH 2320	Linear and Matrix Algebra
MTH 3301	Probability and Statistics for Engineers
PHY 1401	Physics I
PHY 1402	Physics II

Basic Sciences Elective (4 SCH)

Course Code	Course Name
BIO 1401	Principles of Biology
BIO 1402	Environmental Biology
CHE 1401	Chemistry I

Area 3: Computer Systems Major (55 SCH)

Computer Science Core (44 SCH)

Course Code	Course Name
CSC 1401	Computer Programming
CSC 2302	Data Structures
CSC 2305	Computer Organization and Architecture

CSC 2306	Object Oriented Programming
CSC 3315	Languages and Compilers
CSC 3323	Analysis of Algorithms
CSC 3324	Software Engineering
CSC 3326	Database Systems
CSC 3351	Operating Systems
CSC 3371	Computer Communications and Networks
CSC 3374	Advanced and Distributed Programming Paradigms
EGR 4300	Internship
EGR 4402	Capstone Design

Computing and Engineering Elective (2 SCH)

Course Code	Course Name
CSC 3261	Computer Programming Competitions
CSC 3281	Ethical Hacking
EGR 3203	Applied Undergraduate Research
EGR 3271	Innovation and Entrepreneurship

Computer Systems Major Courses (9 SCH)

Course Code	Course Name
CSC 3373	Cloud Computing
CSC 3376	Systems Programming
CSC 4308	Cyber Security

Advanced Computing Elective (3 SCH)

Course Code	Course Name
CSC 43xx	Any from other Advanced Computing courses

Area 4: Minor (15 SCH)

A BSCSys major must select a minor area outside of Computing and complete at least 15 SCH in this minor.

Area 5: Free Electives (6 SCH)

A BSCSys major must complete 6 SCH of free electives.

Total: 136 SCH

7. Bachelor of Science in Engineering and Management Science

The Bachelor of Science in Engineering and Management Science (BSEMS) program is designed to provide students with the 21st century skills, knowledge, and attitudes applicable across a wide range of engineering (electrical, mechanical, computing) and management disciplines that are necessary for assessing, planning, designing, and implementing

engineering solutions.

The BSEMS program's educational objectives stipulate that three to five years after graduation, the EMS graduates should demonstrate an ability to:

1. Utilize engineering, management, and business knowledge, attitudes, and skills, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;
3. Contribute to Morocco's Industry, Services, Business, and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSEMS program, students will have an ability to:

1. Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Communicate effectively with a range of audiences.
4. Recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
7. Acquire and apply new knowledge as needed, using appropriate learning strategies.
8. Integrate management support systems into different technical environments.

The 135 SCH BSEMS degree consists of five areas:

1. General Education Area (30 SCH)
2. Mathematics and Sciences Area (30 SCH)
3. Engineering Core (48 SCH)
4. Engineering Management (12 SCH)
5. Engineering Thematic Area (9 SCH)
6. Free Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2301, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

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Area 2: Mathematics and Basic Sciences (30 SCH)

Mathematics (15 SCH)

Course Code	Course Name
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 2301	Calculus II: Multivariable Calculus
MTH 2304	Differential Equations
MTH 2320	Linear and Matrix Algebra
MTH 3301	Probability and Statistics for Engineers

Basic Sciences (15 SCH)

Course Code	Course Name
CHE 1401	Chemistry I
CHE 1402	Chemistry II

PHY 1401	Physics I
PHY 1402	Physics II

Area 3: Engineering Core (48 SCH)

Engineering Core (46 SCH)

Course Code	Course Name
CSC 1402	Computer Programming
CSC 2309	Data Analysis
CSC 3326	Database Systems
EGR 2201	Introduction to Engineering and Design
EGR 2210	Computer Aided Engineering
EGR 2301	Statics
EGR 2302	Engineering Economics
EGR 2311	Dynamics
EGR 2402	Electric Circuits
EGR 3301	Fluid Mechanics
EGR 3302	Thermodynamics
EGR 3303	Engineering Statistics
EGR 3304	Materials Science
EGR 4300	Internship
EGR 4402	Capstone Design

Elective Engineering courses (2 SCH)

Course Code	Course Name
EGR 3271	Innovation and Entrepreneurship
EGR 4203	Applied Undergraduate Research

Area 4: Engineering Management

Required Management Core Courses (12 SCH)

Course Code	Course Name
EGR 2391	Accounting for Engineering Management
EGR 3391	Principles of Management
EGR 4391	Management Information Systems *(Cross listed with MIS 3301)*
EGR 4393	Production and Operations Management

Area 5: Engineering Thematic Area (9 SCH)

A BSEMS major must complete 9 SCH of Engineering electives.

Area 6: Electives (6 SCH)

A BSEMS major must complete 6 SCH of free electives.

8. Bachelor of Science in Engineering Decision Support Systems

The Bachelor of Science in Engineering Decision Support Systems (BSEDSS) trains future engineers to identify optimization problems and use the appropriate mathematical models, quantitative methods, and/or optimization algorithms, including AI (Artificial Intelligence) algorithms, for deriving optimal solutions to help make decisions under risk variations, in a variety of contexts and enterprise verticals.

The BSEDSS program educational objectives stipulate that three to five years after graduation, the EMS graduates should demonstrate an ability to:

1. Utilize engineering and decision systems knowledge, attitudes, and skills, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;
3. Contribute to Morocco's Industry, Services, Business, and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSEDSS program, students will have an ability to:

1. Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Communicate effectively with a range of audiences.
4. Recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
7. Acquire and apply new knowledge as needed, using appropriate learning strategies.
8. Integrate decision support systems into different technical environments.

The 135 SCH BSEDSS degree consists of six areas:

1. General Education (30 SCH)
2. Mathematics and Basic Sciences (30 SCH),
3. Engineering Core courses (42 SCH)
4. Required Management Science core courses (12 SCH)
5. Decision Support major (15 SCH)
6. Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

*FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

Area 2: Mathematics and Basic Sciences (30 SCH)

Mathematics (15 SCH)

Course Code	Course Name
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 2301	Calculus II: Multivariable Calculus

MTH 2304	Differential Equations
MTH 2320	Linear and Matrix Algebra
MTH 3301	Probability and Statistics for Engineers

Basic Sciences (15 SCH)

Course Code	Course Name
CHE 1401	Chemistry I
CHE 1402	Chemistry II
PHY 1401	Physics I
PHY 1402	Physics II

Area 3: Engineering Core (48 SCH)

Engineering Core (46 SCH)

Course Code	Course Name
CSC 1402	Computer Programming
CSC 2309	Data analysis
EGR 2201	Introduction to Engineering and Design
EGR 2210	Computer Aided Engineering
EGR 2301	Statics
EGR 2302	Engineering Economics
EGR 2311	Dynamics
EGR 2402	Electric Circuits
EGR 3302	Thermodynamics
EGR 3303	Engineering Statistics
EGR 3304	Materials Science
EGR 4300	Internship
EGR 4402	Capstone Design

Elective Engineering Courses (2 SCH)

Course Code	Course Name
EGR 3271	Innovation and Entrepreneurship
EGR 4203	Applied Undergraduate Research
EGR 4204	Selected Topics in Optimization

Area 4: Management Science Core (12 SCH)

Required Management Core Courses (12 SCH)

Course Code	Course Name
EGR 2391	Accounting for Engineering Management
EGR 3391	Principles of Management *(Cross listed with GBU 5302)*
EGR 4391	*(Cross listed with MIS 3301 Management*

	Information Systems)
EGR 4393	Production and Operations Management (Cross listed MGT 4303)

Area 5: Decision Support Major (15 SCH)

Required Decision Support Major Courses (9 SCH)

Course Code	Course Name
EDS 3301	Optimization and Operations Research
EDS 3302	Forecasting and Time Series
EDS 4304	System Simulation

Elective Decision Support Major Courses (6 SCH)

Course Code	Course Name
EDS 4303	Graph Theory Applications
EDS 4305	Numerical Analysis
EDS 4306	Non-Linear Optimization Problems
EDS 4307	Introduction to Industry 4.0
EDS 4308	Stochastic Processes

Area 6: Electives (6 SCH)

A BSEDSS major must complete 6 SCH of free electives. The following courses are recommended:

Course Code	Course Name
EGR 4305	Business Intelligence and Data Mining
EGR 4311	Inferential Statistics for Big Data
EGR 4313	Project Management and Business Plan

Total: 135 SCH

9. Bachelor of Science in Manufacturing and Logistics Engineering

The Bachelor of Manufacturing and Logistics Engineering (BSMLE) trains students with the capacity to understand the design of products, production lines, layouts with consideration of maintenance, reliability, and quality. It prepares students to monitor the integral supply chain with respect to targeted goals. It provides students with the tools needed to do this rigorously and effectively, using computer programming, mathematical modeling, statistics, and optimization.

The BSMLE program educational objectives stipulate that three to five years after graduation, the EMS graduates should demonstrate an ability to:

1. Utilize engineering, manufacturing, and logistics knowledge, attitudes, and skills, including design, implementation, integration, and evaluation

of computing systems across a broad range of application domains and organizations;

2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;
3. Contribute to Morocco's Industry, Services, Business, and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSMLE program, students will have an ability to:

1. Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Communicate effectively with a range of audiences.
4. Recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
7. Acquire and apply new knowledge as needed, using appropriate learning strategies.
8. Design the supply chain process from managing information technology to optimizing logistics and supply chain strategies.

The 135 SCH BSMLE degree consists of six areas:

1. General Education (30 SCH).
2. Mathematics and Basic Sciences (30 SCH),
3. Engineering courses (42 SCH)
4. Required Management Science core courses (12 SCH)
5. Manufacturing and Logistics Support major (15 SCH),
6. Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

*FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

Area 2: Mathematics and Basic Sciences (30 SCH)

Mathematics (15 SCH)

Course Code	Course Name
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 2301	Calculus II: Multivariable Calculus
MTH 2304	Differential Equations
MTH 2320	Linear and Matrix Algebra
MTH 3301	Probability and Statistics for Engineers

Basic Sciences (15 SCH)

Course Code	Course Name
CHE 1401	Chemistry I
CHE 1402	Chemistry II

PHY 1401	Physics I
PHY 1402	Physics II

Area 3: Engineering Core (42 SCH)

Engineering Core (40 SCH)

Course Code	Course Name
CSC 1402	Computer Programming
CSC 2309	Data Analysis
EGR 2201	Introduction to Engineering and Design
EGR 2210	Computer Aided Engineering
EGR 2301	Statics
EGR 2302	Engineering Economics
EGR 2311	Dynamics
EGR 2402	Electric Circuits
EGR 3302	Thermodynamics
EGR 3303	Engineering Statistics
EGR 3304	Materials Science
EGR 4300	Internship
EGR 4402	Capstone Design

Elective Engineering Courses (2 SCH)

Course Code	Course Name
EGR 3271	Innovation and Entrepreneurship
EGR 4203	Applied Undergraduate Research
EGR 4205	Selected Topics in Logistics and Manufacturing

Area 4: Management Science Core (12 SCH)

Required Management Core Courses (12 SCH)

Course Code	Course Name
EGR 2391	Accounting for Engineering Management *(Cross listed with ACC 2301)*
EGR 3391	Principles of Management *(Cross listed with MGT 3301)*
EGR 4391	Management Information Systems *(Cross listed with GBU 5302)*
EGR 4393	Production and Operations Management *(Cross listed MGT 4303)*

Area 5: Manufacturing and Logistics Major (15 SCH)

Required Manufacturing and Logistics Major Courses (9 SCH)

Course Code	Course Name
MLE 3301	Manufacturing/Supply Chain Management and Sustainability (*Cross listed with SCM 4301)*
MLE 4305	Transportation and Logistics *(Cross listed with SCM 4303)*
MLE 4307	Industrial Automation

Elective Manufacturing and Logistics Major Courses (6 SCH)

Course Code	Course Name
MLE 3303	Maintenance and Reliability
MLE 4304	Introduction to industry 4.0
MLE 3305	Quality Management and Control (*Cross listed with MGT 4311 Quality Management)*
MLE 4306	Facility Design

Area 6: Electives (6 SCH)

A BSMLE major must complete 6 SCH of free electives. The following courses are recommended:

Course Code	Course Name
EGR 4305	Business Intelligence and Data Mining
EGR 4311	Inferential Statistics for Big Data
EGR 4313	Project Management and Business Plan

Total: 135 SCH

10. Bachelor of Science in General Engineering

The Bachelor of Science in General Engineering (BSGE) program is designed to provide students with the 21st century skills, knowledge, and attitudes applicable across a wide range of engineering (electrical, mechanical, computing) disciplines that are necessary for designing, integrating, and building engineering systems.

The BSGE program educational objectives stipulate that three to five years after graduation, the EMS graduates should demonstrate an ability to:

1. Utilize engineering systems knowledge, attitudes, and skills, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;

3. Contribute to Morocco's Industry, Services, Business, and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSGE program, students will have an ability to:

1. Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Communicate effectively with a range of audiences.
4. Recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
7. Acquire and apply new knowledge as needed, using appropriate learning strategies.

The 135 SCH BSGE degree consists of five areas:

1. General Education Area (30 SCH)
2. Mathematics and Sciences Area (30 SCH)
3. Engineering Core (57 SCH)
4. Engineering Thematic Area (12 SCH)
5. Free Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**

French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**
Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

*FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

Area 2: Mathematics and Basic Sciences (30 SCH)

Mathematics (15 SCH)

Course Code	Course Name
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 2301	Calculus II: Multivariable Calculus
MTH 2304	Differential Equations
MTH 2320	Linear and Matrix Algebra
MTH 3301	Probability and Statistics for Engineers

Basic Sciences (15 SCH)

Course Code	Course Name
CHE 1401	Chemistry I
CHE 1402	Chemistry II
PHY 1401	Physics I
PHY 1402	Physics II

Area 3: Engineering Core (57 SCH)

Engineering Core (55 SCH)

Course Code	Course Name
CSC 1402	Computer Programming
CSC 2309	Data Analysis
EGR 2201	Introduction to Engineering and Design
EGR 2210	Computer Aided Engineering
EGR 2301	Statics
EGR 2302	Engineering Economics

EGR 2311	Dynamics
EGR 2312	Mechanics of Materials
EGR 2402	Electric Circuits
EGR 3302	Thermodynamics
EGR 3331	Digital Design
EGR 3301	Fluid Mechanics
EGR 3304	Materials Science
EGR 3305	Signals and Systems
EGR 3306	Instrumentation and Mechatronics
EGR 3310	Microcontrollers
EGR 4300	Internship
EGR 4402	Capstone Design

Elective Engineering Courses (2 SCH)

Course Code	Course Name
EGR 3271	Innovation and Entrepreneurship
EGR 4203	Applied Undergraduate Research

Area 4: Engineering Thematic Area (12 SCH)

A BSGE major must complete 12 SCH Engineering electives from a thematic area.

Four Thematic Areas Available:

1. Mechatronics
2. Bioengineering (Upcoming)

Other Thematic Areas can be selected in collaboration with and approval from the academic advisor and academic coordinator to reflect the student's personal and career interests.

Thematic Area Mechatronics

The Thematic Area "Mechatronics" for General Engineering students is composed of 4 courses, 3 mandatory, and 1 to be selected:

Mandatory (3) offered during Fall semesters only:

Course Code	Course Name
EGR 3305	Signals and Systems
EGR 3310	Microcontrollers
EGR 3314	Power Electronic Systems

Choice (1) offered during Spring semesters only:

Course Code	Course Name
CSC 3328	Embedded Systems
EGR 3316	Control Systems
EGR 3319	Introduction to FPGA Design for Embedded

	Systems
EGR 3320	Industrial Robotics

Thematic Area Bioengineering (Upcoming)

The Thematic Area “Bioengineering” for General Engineering students is composed of 4 courses, 3 mandatory, and 1 to be selected from the following list:

- Basics of Biotechnology and Molecular Biology
- Biomedical Imaging
- Biomaterials and Biomedical Instrumentation
- Intro to Bioinformatics

Area 5: Electives (6 SCH)

A BSGE major must complete 6 SCH of free electives.

Total Credits: 135

11. Bachelor of Science in Renewable Energy Systems Engineering

The Bachelor of Science in Renewable Energy Systems Engineering (BSRESE) builds on a general engineering core to train students in technical and economic issues involved in renewable energy production, storage, conversion, and distribution using smart grids.

The BSEMS program educational objectives stipulate that three to five years after graduation, the EMS graduates should demonstrate an ability to:

1. Utilize engineering knowledge in renewable energy systems, attitudes, and skills, including design, implementation, integration, and evaluation of computing systems across a broad range of application domains and organizations;
2. Utilize 21st century skills, including proficiency in IT and digital collaboration in multilingual national and global settings to succeed in their professions;
3. Contribute to Morocco’s Industry, Services, Business, and Society progression; and
4. Engage in life-long learning, including pursuing graduate studies.

By the time of graduation from the BSRESE program, students will have an ability to:

1. Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Communicate effectively with a range of audiences.

4. Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
7. Acquire and apply new knowledge as needed, using appropriate learning strategies.
8. Understand the organization, methods, techniques, and skills of energy systems.

The 135 SCH BSRESE degree consists of five areas:

1. General Education (30 SCH)
2. Mathematics and Basic Sciences (30 SCH)
3. General Engineering courses (54 SCH)
4. Renewable Energy Major (15 SCH),
5. Electives (6 SCH)

Area 1: General Education (30 SCH)

Disciplines	Course codes	SCH
First Year Experience	FYE 1101 + FYE 1102	**2**
Foundations for Academic Success	FAS 0210* + FAS 1220	**2**
English	ENG 1301 + ENG 2301, ENG 2302, ENG 2303	**6**
Arabic	ARA 1201, ARA 1202, ARA 1203, ARA 3299, ARB 1201, ARB 1202, ARB 1203, ARB 1241	**2**
French	FRN 3210	**2**
Communication	COM 1301	**3**
History or Political Science	HIS 1301, HIS 2301, PSC 2301, HUM 2302, HUM 1310	**3**
Humanities	LIT 2301, HUM 2305, HUM 2306, HUM 2307, PHI 2301, PHI 2302	**3**
Art Appreciation & Creation	HUM 2301, ART 1301, ART 1302, ART 1303, ART 1304, ART 1305, ART 3399, ENG 2320, COM 2327, LIT 3370	**3**

Social Sciences	ECO 1300, GEO 1301, PSY 1301, SOC 1301, SSC 1310	**3**
Civic Engagement	XXX ****SL, SLP 1101 or CIP	**1**

*FAS 0210 is a non-degree credit-bearing course, and it is a graduation requirement. It counts for 2 non-degree credits, i.e., they do not count towards the degree. However, this course can be waived upon a successful test-out.

Area 2: Mathematics and Basic Sciences (30 SCH)

Mathematics (15 SCH)

Course Code	Course Name
MTH 1303	Calculus I: Differential and Integral Calculus
MTH 2301	Calculus II: Multivariable Calculus
MTH 2304	Differential Equations
MTH 2320	Linear and Matrix Algebra
MTH 3301	Probability and Statistics for Engineers

Basic Sciences (15 SCH)

Course Code	Course Name
CHE 1401	Chemistry I
CHE 1402	Chemistry II
PHY 1401	Physics I
PHY 1402	Physics II

Area 3: General Engineering (54 SCH)

Required Core General Engineering Courses (52 SCH)

Course Code	Course Name
CSC 1402	Computer Programming (with python)
CSC 2309	Data Analysis
EGR 2201	Introduction to Engineering and Design
EGR 2210	Computer Aided Engineering
EGR 2301	Statics
EGR 2302	Engineering Economics
EGR 2311	Dynamics
EGR 2402	Electric Circuits
EGR 3302	Thermodynamics
EGR 3304	Materials Science
EGR 3305	Systems, Signals, and Control
EGR 3306	Engineering Instrumentation and Mechatronics
EGR 3331	Digital Design
EGR 4300	Internship
EGR 4402	Capstone Design

Engineering Elective(s) (2 SCH)

Course Code	Course Name
EGR 3271	Innovation and Entrepreneurship
EGR 3281	Sustainability and Energy Efficiency Competitions
EGR 4203	Applied Undergraduate Research

Engineering Elective(s) (3 SCH)

Course Code	Course Name
EGR 3281	Sustainability and Energy Efficiency Competitions
EGR 3303	Stochastics Processes
EGR 3310	Microcontrollers
EGR 3316	Control System
EGR 3320	Industrial Robotic

Area 4: Renewable Energy Major (15 SCH)

Required Renewable Energy Major Courses (9 SCH)

Course Code	Course Name
RES 4315	Energy Management
RES 4323	Energy Distribution Systems
RES 4325	Renewable Energy Technologies

Elective Renewable Major Courses (6 SCH)

Course Code	Course Name
RES 3301	Energy Storage
RES 3313	Environment, Sustainability, and Energy
RES 3321	Conventional Energy Resources
RES 4317	Energy Economics and Finance
RES 4326	Smart Grid and Grid-Connected System

Area 5: Electives (6 SCH)

A BSRESE major must complete 6 SCH of free electives.

Total: 135 SCH

Minors in the School of Science and Engineering

The School of Science and Engineering offers minors in the fields of (i) IT and Computing, (ii) Data Analytics, (iii) Computer Science, (iii) General Engineering, and (iv) Mathematics. Each minor is nominally 15 SCH. Students may need to take additional prerequisite courses to enroll in the courses for the minor.

Minor in Computer Science

Students who wish to complete a minor in computer science must complete 15 SCH in computer science beyond what is required for their major degree program. (This minor is not available to students in the computing-based programs).

Course requirements for the minor in Computer Science include:

Course Code	Course Name
CSC 2302[1,2]	Data Structures
CSC 2304	Computer Architecture
CSC 2306	Object Oriented Programming
CSC 3324	Software Engineering
CSC 3326	Database Systems
CSC 33XX or CSC 43XX	(One advanced CSC course)

[1]CSC 1401 is a prerequisite to CSC 2302 and needs to be taken before beginning the minor.
[2]For programs where CSC 2302 is required as part of the major, an advanced course in computer science should be taken in place of CSC 2302 for the minor.

Minor in Data Analytics

Students who wish to complete a minor in Data Analytics must complete 15 SCH in data analytics beyond what is required for their major degree program. (This minor is not available to students in the Computing and EMS programs).

Course requirements for the minor in Data Analytics include:

Course Code	Course Name
CSC 2306	Object Oriented Programming
CSC 2309[1, 2]	Data Analysis
CSC 3324	Software Engineering
CSC 3326	Database Systems
CSC 33XX or CSC 43XX	(One advanced Big Data Analytics Major course)

[1]CSC 1402 is a prerequisite to CSC 2309 and needs to be taken before beginning the minor.
[2]For programs where CSC 2309 is required as part of the major, an advanced course in computer science should be taken in place of CSC 2309 for the minor.

Minor in Information Technology

Students who wish to complete a minor in Information Technology must complete 15 SCH in computing beyond what is required for their major degree program. (This minor is not available to students in the Computing-based programs).

Course requirements for the minor in Information Technology include:

Course Code	Course Name
CSC 2309[1, 2]	Data Analysis
CSC 3326	Database Systems

CSC 3381	Web Applications
CSC 3382	Data Security
CSC 3383	Computer System Integration

[1]CSC 1402 is a prerequisite to CSC 2309 and needs to be taken before beginning the minor.
[2]For programs where CSC 2309 is required as part of the major, an advanced course in computer science should be taken in place of CSC 2309 for the minor.

Minor in General Engineering

Students who wish to complete a minor in General Engineering must complete a minimum of 15 SCH in Engineering beyond what is required for their major degree program. (This minor is not available to students in the BSEMS and BSGE programs.)

Course requirements for the minor in General Engineering include two required courses:

Course Code	Course Name
EGR 2301	Statics
EGR 2402	Electric Circuits

and 3 courses from the following:

Course Code	Course Name
EGR 1210	Computer Aided Engineering
EGR 2302	Engineering Economics
EGR 2311	Dynamics
EGR 2312	Mechanics of Materials
EGR 3301	Fluid Mechanics
EGR 3302	Thermodynamics
EGR 3304	Materials Science
EGR 3306	Engineering Instrumentation and Mechatronics

NOTE: Prerequisites must be met before enrolling in these courses.

Minor in Mathematics

Students who wish to complete a minor in Mathematics must complete a minimum of 15 SCH in mathematics beyond what is required for their major degree program. (This minor is not available to students in the BSCSC, BSEMS, and BSGE programs)

Course requirements for the minor in mathematics include two required courses:

Course Code	Course Name
MTH 1312	Integral Calculus
MTH 2301	Multivariable Calculus

and 9 credits from the following:[1]

Course Code	Course Name
MTH 1304	Discrete Math for Engineers
MTH 2304	Differential Equations
MTH 2320	Linear and Matrix Algebra
MTH 3301	Engineering Probability and Statistics
MTH 3302	Complex Variables and Transforms

[1]Prerequisites must be met before enrolling in these courses. With prior approval of the SSE coordinator and dean, a student may request that another math-intensive course in SSE at the 2000 level or higher be allowed to satisfy this requirement.

UNDERGRADUATE COURSE DESCRIPTIONS

Course Numbers, Discipline Abbreviations, and Standard Course Numbers

AUI uses a three-letter discipline abbreviation and a four-digit numbering system for all courses in which each number provides specific information about the course it identifies.

Example: BIO 1401

The abbreviation **BIO** indicates the course is in the discipline of Biology (see below for all discipline abbreviations). The first digit (1 in the example above) denotes the level of the course:

- Freshman course
- Sophomore course
- Junior course
- Senior course

The second digit (4) denotes the number of semester credit hours (SCH) awarded for the course. The third and fourth digits (01) distinguish the individual course.

Abbreviations

Each discipline or area of study is assigned a three-letter abbreviation that is used as an identifying prefix to the course number. The abbreviations are:

Accounting	ACC
Academic Speaking, Listening, and Note Taking	ALS
Academic Reading	ARD
Academic Writing and Grammar	AWG
Arabic Studies	ARA/ARB
Biology	BIO
Chemistry	CHE
Community Involvement	CIP
Communication	COM
Computer Science	CSC
Economics	ECO
Engineering	EGR
Engineering and Design Support	EDS
English	ENG
Environmental Science	ENV
Foundations of Academic Success	FAS
Finance	FIN
French	FRE/FRN
Grammar in Academic Context	GAC
General Business	GBU
Geography	GEO

History	HIS
Human Resources Development	HRD
Humanities	HUM
International Studies	INS
Internship	INT
Latin	LAT
Literature	LIT
Management	MGT
Management Information Systems	MIS
Manufacturing and Logistics Engineering	MLE
Marketing	MKT
Mathematics	MTH
Philosophy	PHI
Physics	PHY
Territorial Planning	PLN
Political Science	PSC
Pre-Academic English	PAE
Pre-Academic Writing and Grammar	PAWG
Pre-Academic Listening and Speaking	PALS
Pre-Academic Reading	PARD
Psychology	PSY
Renewable Energy Sources	RES
Science	SCI
Social Sciences	SSC
Sociology	SOC
Spanish	SPN
Supply Chain Management	SCM
Statistics	STA
Tamazight	TMZ
Undergraduate Research Project	URP

Undergraduate Course Listings

Accounting (ACC)

ACC 2301 Accounting Principles I (3 SCH)

Prerequisite: MTH 1305, or MTH 1311, or MTH 1304

3 lecture hours

This course is an introduction to the fundamental concepts of financial accounting, double entry accounting theory, recording procedures, and financial statements preparation and analysis.

ACC 2302 Accounting Principles II (3 SCH)

Prerequisite: ACC 2301

3 lecture hours

This course covers basic cost relationships, cost behavior, cash flow statements, financial statement analysis, including ratio analysis, horizontal, and vertical analysis cost of products for managerial decision-making, forecasting, budgeting, and

profitability analysis.

ACC 3201 Moroccan Accounting and Taxation (2 SCH)

Prerequisites: ACC 2301, ACC 2302, Junior classification

2 lecture hours

This course introduces students to main topics in the Moroccan accounting system and taxation. The objective is two-fold: (i) preparing students to operate more effectively in the Moroccan business environment and (ii) developing sensitivity to differences between the international and the Moroccan systems with respect to the form, content, and meaning of financial statements. This course is given partially or totally in the *French Language*, depending on the guest speakers invited every semester.

ACC 3399 Special Topics in Accounting (3 SCH)

Prerequisite: ACC 2301, ACC 2302, Junior classification

3 lecture hours

This course consists of specially scheduled readings on significant issues or topics relevant to the study of accounting and/or taxation.

ACC 4305 International Accounting (3 SCH)

Prerequisite: FIN 3301, Junior classification

3 lecture hours

This course provides students the opportunity to learn about the diverse financial reporting practices from around the world and the reasons behind that diversity across countries. The course also provides a framework for examining the major issues in international financial reporting and a study of International Financial Reporting Standards (IFRS).

Academic Listening and Speaking (ALS)

ALS 1001 Academic Listening and Speaking I (0 SCH)

5 lecture hours

ALS 1001 is a 75-hour intensive listening and speaking course. Working up from a low to high intermediate level, it first introduces students at a low level to the major components of oral and aural academic discourse. At this level, students grow to comprehend academic lectures and analyze their components. In addition, students use effective and various note-taking methods, participate in discussions and in-class dialogues, and give relevant and informative presentations. The course adopts a communicative and learner-centered approach. In addition, it reinforces and integrates the other language skills (reading, grammar, and writing).

ALS 1002 Academic Listening and Speaking II (0 SCH)

5 lecture hours

ALS 1002 is a 75-hour intensive listening and speaking course that moves from the high intermediate to the advanced level in this skill. Students develop their academic listening, speaking, and note-taking skills, and handle long, fast-paced technical lectures after a single listening. In preparation for their degree programs, students practice the principles of effective note-taking as a means to create more focused, complete, and organized notes, as they also build spoken fluency and accuracy through discussions, debates, and individual persuasive presentations. The course adopts a communicative and learner-centered approach. In addition, it reinforces and integrates the other language skills (reading, grammar, and writing).

Arabic (ARA/ARB)

Courses Designed for Non-Native Speakers of Arabic (ARA)

ARA 1201/ARA 1311 Arabic Beginning (2 SCH)

Designed for beginners, this course focuses on speaking and writing skills, and on teaching the mechanics of writing in the Arabic script. Students practice and learn Arabic sounds, paying particular attention to the differences between Modern Standard Arabic and other Arabic varieties (Moroccan Arabic, in particular). By the end of the course, students are able to communicate in writing and in speech on personal topics and topics of everyday life. This course is designed exclusively for degree-seeking students who hold international high school degrees with no prior Arabic instruction, and they are enrolled in it based on placement test results.

ARA 1202/ARA 2311 Arabic Intermediate (2 SCH)

At the intermediate level, students consolidate their writing and speaking abilities in terms of vocabulary, grammar, and style. The course enables students to express themselves with some degree of sophistication. This course develops the four language skills (listening, speaking, reading, and writing). The course also provides students with the necessary vocabulary to be able to communicate correctly in most situations. This course is designed exclusively for degree-seeking students who hold international high school degrees with no prior Arabic language instruction, and they are enrolled in it based on placement test results.

ARA 1203/ARA 3311 Arabic Advanced (2 SCH)

At the advanced level, students further develop their Arabic language skills. It also introduces them to the study of Arabo-Islamic culture in order to be able to function effectively and appropriately in Arabic-speaking countries. The course is designed to provide students with the necessary linguistic tools to be able to interact with native speakers without difficulty. This course is designed exclusively for degree-seeking students who hold international high school degrees with no prior Arabic language instruction, and they are enrolled in it based on placement test results.

ARA 3299/ARA 4399 Special Topics in Arabic for Non-Native Speakers (3 SCH)

This course provides the opportunity to explore new topics relevant to the study of Arabic for non-native speakers. It varies in content according to faculty expertise and the relevancy of current demands. This course is designed exclusively for degree-seeking students who hold international high school degrees with no prior Arabic language instruction, and they are enrolled in it based on placement test results.

ARB 1201 Basic Standard Arabic (2 SCH)

This course is for students who speak one of the Arabic varities but have not formally studied Modern Standard Arabic. This course focuses on developing students' skills in listening, speaking, reading, and writing in Modern Standard Arabic. At the end of this course, students will be able to read and understand short texts from newspapers, to write compositions in Arabic, and to comment on ideas in accurate Arabic. This course is designed exclusively for students who hold an International Baccalaureate or a foreign cultural mission baccalaureate in Morocco, and they are enrolled in it based on placement test results.

ARB 1202 Arabic for Academic Purposes (2 SCH)

This course aims to train students to use the grammar, structures, and expressions learned in high school effectively and correctly in listening, speaking, reading, and writing in academic contexts. Special emphasis is placed on the characteristics of Arabic sentence structure. This enables students to distinguish grammatical from

ungrammatical usage in both writing and speaking. The main objective is to bring the student up to the level where they may be able to fully appreciate the subtleties of the Arabic language. This course is designed exclusively for students who hold an International Baccalaureate or a foreign cultural mission baccalaureate in Morocco, and they are enrolled in it based on placement test results.

ARB 1203 Arabic for Communication Purposes (2 SCH)

This advanced course focuses on all aspects of oral and written communication. It has three components: 1) review of the basic rules of mechanics and grammar; 2) use of selected texts to practice reading aloud, remedy speech errors, and to develop comprehension and appreciation; and 3) practice of writing in response to topic assignments. The course also provides students with the skills for interpersonal, group, and public communication and debate, and develops awareness of the importance of variations between colloquial and formal forms of language used in various Arabic-speaking countries. This course is designed exclusively for students who hold an international baccalaureate or a foreign cultural mission baccalaureate in Morocco, and they are enrolled in it based on placement test results.

ARB 1241 Arabic Literature (2 SCH)

The aim of this course, taught in Arabic, is to promote the knowledge of different literary genres and to enable students to differentiate between them and to appreciate beauty in a literary work of art. Literary concepts are introduced to students and followed by reading, analysis, and discussion of works drawn from various genres. The texts are either originally written in Arabic or translated into Arabic from other languages. In addition to its literary and aesthetic value, the collection of texts used belongs to a variety of literary genres and is written by authors of diverse nationalities. This course is designed exclusively for students with a Moroccan baccalaureate or an Arabic-based high school degree from any country. However, other students whose placement test scores indicate that they have the capability to attend this course may enroll in it.

Academic Reading (ARD)

ARD 1001 Academic Reading I (0 SCH)

5 lecture hours

ARD 1001 is a 75-hour intensive reading course that acquaints students with culturally diverse and authentic readings, texts, and books, and covers the following academic competencies: developing basic dictionary and vocabulary skills, effective reading strategies, and improving reading speed, combined with comprehension. The course adopts a communicative and learner-centered approach. In addition, the course reinforces and integrates other language skills (listening and speaking, grammar, and writing).

ARD 1002 Academic Reading II (0 SCH)

5 lecture hours

ARD 1002 is a 75-hour intensive reading course that consists of expanding the students' low frequency vocabulary, developing their critical reading strategies, and academically responding to reading material both orally and in writing. The course adopts a communicative and learner-centered approach, and ranges from expanding the students' word stock and developing their critical reading strategies to producing and presenting book reports. In addition, it reinforces and integrates the other language skills (listening and speaking, grammar, and writing).

Academic Writing and Grammar (AWG)

AWG 1001 Academic Writing and Grammar I (0 SCH)

Academic Writing and Grammar 1001 (AWG 1001) is a 150-contact-hour course. AWG 1001 begins with a focus on personal writings in order to develop writing fluency. This fluency is achieved through writing about personal experiences along with reading samples of peers' writings and a variety of other texts. Grammar is taught in parallel with emphasis on verb and noun phrases. There is a focus on the four basic sentence types in English, paying close attention to accurate and appropriate language use. Students are also introduced to paragraph writing. AWG 1001 teaches writing as a process, using a communicative and a learner-centered approach in an academic environment. To Enroll in AWG 1001, students need an ITP TOEFL score of 420 to 477, or successfully complete PAWG 1001.

AWG 1002 Academic Writing and Grammar II (0 SCH)

Academic Writing and Grammar 1002 (AWG 1002) is a 150-contact-hour course. It reviews paragraph writing and focuses on the essay, using four rhetorical patterns: classification or process, comparison/contrast, cause/effect, and argumentation. Grammar is taught in parallel with emphasis on verb tense, modals, and the noun phrase. AWG 1002 continuously reinforces accurate use of language mechanics and adequate style. In AWG 1002, writing is taught as a process, using a communicative and a learner-centered approach in an academic environment.
To enroll in AWG 1002, students need to either successfully complete AWG 1001 or score 480 to 527 on ITP TOEFL and at least 5-6/9 on the Language Center Writing Placement Test (WPT).

Biology (BIO)

BIO 1400 Environmental Biology (4 SCH)

3 lecture hours, 2 lab hours
This course is designed for non-science majors. Its primary goal is to provide students with a basic understanding of principles underlying important biological concepts and processes as well as applications related to biotechnology and environment. The course will strengthen students' understanding of the relevance of biology to contemporary issues related to lifestyle issues and critical analysis of natural resources, land use, agriculture, biodiversity, industrialization, and pollution.

BIO 1401 Principles of Biology (4 SCH)

3 lecture hours, 2 lab hours
This course is designed to serve students from all majors. An introduction to the basic concepts of living organisms: the cell, metabolic activities, reproduction and genetics, DNA, and an introduction to molecular biology. All living organisms are a collection of the same types of molecules. A two-hour laboratory supports the lecture material.

BIO 1402 Environmental Biology II (4 SCH)

3 lecture hours, 2 lab hours
This course is designed to serve students from all majors. It requires no prerequisite. This course offers a study of molecular genetics and the diversity of structure and function in living form. Special attention is paid to the ecological, behavioral, and environmental relationships of living creatures in the modern world. A two-hour laboratory supports the lecture material.

BIO 3301 Bio-Organic Chemistry (3 SCH)

Prerequisite: Two semesters of college chemistry

3 lecture hours

This course provides a foundation in structural organic chemistry, acid base chemistry, chemical thermodynamics, and reaction mechanisms. Subjects include Lewis structures, atomic and hybridized orbitals, stereochemistry, inter- and intra-molecular forces of attraction, nucleophilic reaction mechanisms, functional groups, and the organic chemistry of biological molecules. Please note that this course does not count toward requirements for the master's degree in biotechnology.

BIO 3355 Introduction to Biotechnology (3 SCH)

Prerequisite: BIO1400, or BIO 1401, or Instructor's approval

This course introduces the field of biotechnology with a broad view. Students will learn the processes and methods used to manipulate living organisms and products from these organisms for medical, agricultural, and industrial purposes. Through interactive discussions, this course will cover biotechnology and how it is applied, and will include discussions on the implications of gene therapy, medicine, agriculture, marine biology, and forensics, amongst others. Students who opt for this course will also explore the science behind the different aspects of biotechnology through individual or collaboration projects.

BIO 4301 Bioscience for Regulatory Affairs (3 SCH)

3 lecture hours

This course examines the fundamental underlying scientific concepts utilized in the creation and development of biomedical products. Topics to be covered include the structure and function of bio-molecules such as proteins, enzymes, carbohydrates, lipids, and DNA, as well as the structure and function of cellular components such as membranes, vesicles, organelles, and the cytoskeleton. In addition, students will examine the complexities of metabolism, DNA replication, transcription, translation, signal transduction mechanisms, apoptosis, the cell cycle, and cancer.

Chemistry (CHE)

CHE 1400 Chemistry and the Environment (4 SCH)

3 lecture hours, 2 lab hours

This is an introduction to the basic principles of chemistry, with emphasis on applications in contemporary societies, particularly those applications involving the environment (energy, water, polymers, pollution, etc.) and health (food, food reduction, drugs, etc.). A two-hour laboratory supports the lecture material.

CHE 1401 General Chemistry I (4 SCH)

Prerequisite: One year of secondary/high school chemistry

3 lecture hours, 2 lab hours

Fundamentals of atomic structure, chemical bonding, the periodic table, nomenclature, kinetic theory, gas laws, chemical equations, and solutions. A two-hour laboratory supports the lecture material.

CHE 1402 General Chemistry II (4 SCH)

Prerequisite: CHE 1401

3 lecture hours, 2 lab hours

Substances (states of matter and changes among them, physical properties of solutions and colloids) and the factors that determine the outcome of chemical reactions (thermodynamics, equilibria, electrochemistry, and kinetics). A two-hour laboratory supports the lecture material**.**

Community Involvement (CIP)

CIP 1001 Human Development in Morocco (0 SCH)

No pre-registration required – The Registrar's Office registers students when they earn between 30 - 60 credits

ONE seminar lasting 1 1/2 hours

CIP 1001 discusses the difference between economic and human development, and how Morocco fits into the United Nation's Human Development Index based on three key indices: access to education, resources, and a long and healthy life.

Reference will be made to Morocco's 50th Anniversary Development Report.

CIP 1002 The Role of Civil Society in Human Development (0 SCH)

Corequisite: CIP 1001

No pre-registration required – The Registrar's Office registers students when they earn 30 - 60 credits

ONE seminar lasting 1 1/2 hours

CIP 1002 equips students with practical service skills and ideas to apply out in the field with guest speakers active in civil society sharing their knowledge and expertise.

CIP 2000 Community Involvement Fieldwork (0 SCH)

Prerequisites: CIP 1001, CIP 1002 and clearance from the CIP office that the student has submitted an acceptable proposal for where he or she will conduct the fieldwork. PRE-REGISTRATION is REQUIRED

60 hours of fieldwork, a fieldwork report and ONE reflective roundtable lasting one hour

CIP 2000 consists of a minimum 60-hour service placement for and under the auspices of a nonprofit, nongovernmental organization or association accredited by the university or one of the university departments conducting research in a social field. Alternatively, students can propose independent community service projects either in line with the mission of a student organization they are members of or as an unaffiliated group. All placements must be approved by the CIP office before commencing.

CIP 2000 can be spread out as a weekly activity throughout a semester within the local Ifrane region or as an intensive placement during a mid- or between-semester- break in sites all over Morocco and even abroad. Within this course, students will register for a roundtable, after having completed their field work, where in small groups they will reflect, share, and question their assumptions, impressions, achievements, and unforgettable moments of their community service placement. A final report is then submitted by each student that summarizes their individual placements with an orientation towards demonstrating an understanding of human development concepts.

Communication (COM)

COM 1301 Public Speaking (3 SCH)

Prerequisite: ENG 1301

The focus of the course is to develop public speaking and group discussion skills. Students will engage in a number of public speaking activities designed to promote competency in the delivery of speeches, organization of ideas, methods of argumentation, utilization of supporting materials, selection of language, and use of narratives. Students will work in small groups and teams to do research, presentations, interviews, and interactive role-playing.

COM 1304 New Media Technology (3 SCH)

Prerequisite: COM 1301

The course explores the history of media technology from Guttenberg onward with a focus on recent developments in digital media and the internet. Developments in media and technology have impacted how we communicate and how we conduct business and politics. The course focuses on a number of critical issues related to emerging media such as surveillance, security, ownership, and control. This course will explore key legal and regulatory issues raised by new media, including free speech, copyright and piracy, net neutrality, and privacy, among others.

COM 2301 Professional Communication (3 SCH)

Prerequisite: COM 1301

The course presents basic theories and strategies of communication as they relate to professional work contexts, such as interpersonal communication, professional presentations, organization of groups and meetings, and conducting interviews. Students will practice these skills through presentations and role-playing. They will also learn to compose basic written forms of communication essential for the professional environment (emails, memos, cover letters, and résumés).

COM 2327 Art and Design Production (3 SCH)

Prerequisite: COM 2403

This course introduces fundamental art concepts and histories important in all aspects of contemporary design from print and photography to website interface. Starting from the earliest expressions of culture through visual media, the course will conclude with practical implementations of digital design concepts. Students will be introduced to the vocabulary and working terms of artists and designers as well as visiting core theories and histories of design, from European to Arabian aesthetics, past and present.

COM 2403 Photography and Visual Story Telling (4 SCH)

Prerequisite: COM 1304

This introductory digital photography course balances visual theory with practical learning. Students will learn the basic elements of photography, SLR cameras, visual theories, history, and critiques. No prior experience in photography is needed, students are encouraged to bring their own manual-control camera or share lab cameras. The class structure will consist of lectures, demonstrations, readings, discussions, group critiques, and in-class working time. Students are expected to work on their projects outside class time.

COM 2404 Introduction to Film Making (4 SCH)

Prerequisite: COM 1304

This hands-on course introduces basic techniques of video and film production. In addition to learning about video and film and its applications as a medium of communication, students will learn basic video camera operation and will develop skills in lighting, editing, and sound acquisition. Students will create their own final non-sync projects.

COM 3301 Public Relations Communication (3 SCH)

Prerequisites: COM 1304, Junior classification

The course will cover the principles, history, theory, and practice of public relations in business, organizations, and agencies. The course will use case-method and campaign-planning approaches to analyze public relations programs. The course will also examine the responsibility of the public relations practitioner to management and to relevant publics, ethics of public relations practice, and the future of the field and career opportunities.

COM 3303 Global Communication and Media Policy (3 SCH)

Prerequisite: COM 1304, Junior classification

The course examines the major issues in global communication through analyses of international news and information flows, media imports/exports, privatization, and globalization within communications industries, the various models of global media systems, and communication as a human right. This course explores concepts such as nationalism, regionalism, globalization, and cultural identity. This course also provides a general introduction to key media policy debates. Students will learn how our media system is governed, ranging from the Internet and telecommunications, to mainstream news and entertainment media.

COM 3304 Alternative Media (3 SCH)

Prerequisite: COM 1304, Junior classification

The area of alternative media studies is an emerging field of inquiry. This course is designed to bring attention to not only the prevalence and influence of mainstream/mass media, but also to other types of media that circulate in the public sphere. Among the plethora of available media content, this course discusses which ones can be defined as alternative media. It offers an exploration of key debates in academic and media establishments concerning the criteria used for conceptualizing alternative media. The course then undertakes an examination of various historical and contemporary manifestations, with a particular focus on Arab alternative media. It also includes an examination of the limits of alternative media in terms of effecting social transformation.

COM 3311 Marketing Communications (3 SCH)

Prerequisites: COM 2427, SSC 2301, Junior Classification

This course introduces students to the strategic process of marketing communication, from understanding the target audience to evaluating a marketing communication campaign or strategy. Students are exposed to principles of marketing, strategic planning, message creation, communication mix tools, and marketing communication measurement. Students will learn to create and evaluate a creative brief for advertisements, sales promotions, and use direct and interactive communication tools. Special emphasis is put on the design of a strategic marketing communication plan. Students are required to participate in a variety of communication activities and to perform a number of research tasks and practical assignments.

COM 3315 Media and Gender (3 SCH)

Prerequisite: Junior classification

The course examines the complex relationship between gender, culture, and the media in various societies. It introduces students to theories of communication, gender, and representation. They critically study portrayals of femininity and masculinity in oral and written literature, advertising, television, popular music, films, and cartoons. In addition, students are exposed to women's participation in cultural and media production.

COM 3320 Communication Theories (3 SCH)

Prerequisite: COM 1304, Junior classification

This course focuses on the major approaches to theory development and the leading theories in the discipline of communication, with an attempt to connect these theories to the students' experiences. The course will draw upon various perspectives: psychological (cognitive and behavioral), philosophical, linguistic, and sociological. The course will also focus on genres of theories and on the theory/research connection to see how theories are applied.

COM 3321 Moroccan Media and Society (3 SCH)

Prerequisites: COM 1304, Junior classification

This course examines the role and function of the media within Moroccan society. It analyzes the economic, legal, and political environments of media, the content of media messages, and the relationship between media and the Moroccan public.

COM 3328 Media Analysis (3 SCH)

Prerequisite: Junior classification

This course focuses on the textual, social, and cultural analysis of mass, print, and new media. Theoretical frameworks and methods include content analysis, genres study, ideological criticism, and various psychological approaches. This course may be offered with a particular theme, e.g., gender and representation, religion, or politics.

COM 3330 Organizational Communication (3 SCH)

Prerequisites: COM 2301, Junior classification

Students explore the range of communication required in successful organizations including the writing of feasibility studies, policy and position papers, project plan proposals, and annual reports. The course examines the role of communication in organizations as well as the major theories of organizational communication, identifying and defining primary concepts, and applying them to discussions of real-world situations. The role of technology, corporate culture, leadership, teamwork, ethics, and diversity in communication is examined. Effective communication in global organizations and critiques of organization communication systems and structures are also presented.

COM 3398 Special Topics in Media (3 SCH)

Prerequisite: Junior classification

This course will be offered occasionally; topics will vary. Course may be taken for degree credit only once.

COM 3399 Special Topics in Communication (3 SCH)

Prerequisite: Junior classification

This course will be offered occasionally; topics will vary. Course may be taken for degree credit only once.

COM 3402 Advanced Film Production (4 SCH)

Prerequisite: COM 2304, Junior classification

This advanced, hands-on class builds on the skills learned in COM 2304 Introduction to Video and Film Production. It is an intensive hands-on course producing fiction projects and non-fiction documentary projects with additional skills in script-writing, advanced video techniques, and digital editing. Students are expected to work on their projects outside lecture times.

COM 4304 Communication and Development (3 SCH)

Prerequisite: Senior classification

This course examines the role media play in the promotion of social change in areas such as the environment, health, population, education, and traffic safety. This course explores the expansion of new media technologies and their implications on development issues. The course addresses ways in which groups have used new media technologies to further their social or political agendas or short-circuit local market constraints. Students will learn the conceptual and methodological skills required for the design and implementation of communication programs for social change.

COM 4401 Digital Advertising Production (4 SCH)

Prerequisites: COM 2427, or Instructor's approval

Through lectures, demonstrations, and classroom exercises, students explore the capabilities and uses of a range of digital design tools. Focusing on production of Web-specific advertising materials, students gain applied and theoretical knowledge of interactive advertising development. Through an exploration of the history and future of the infrastructure of the Web as a medium for interactivity, students learn how to create effective advertising solutions and communication specific to the various online media.

COM 4405 Media Production Project Seminar (4 SCH)

Prerequisite: COM 3402

This course further develops students' understanding of production processes involved in the execution of creative content. Using digital videos and production/editing software, the students will undertake practical creative tasks. The course examines several different aspects of creative production, from creating powerful visual images, using digital cameras and videos, creating, recording, and manipulating sound for creative purposes, filming and editing video, copywriting, scriptwriting, and narrative development. The course is designed to help develop students' skills in producing and understanding creative and persuasive content.

Computer Science (CSC)

CSC 1300 Introduction to Computers (3 SCH)

2 lecture hours, 2 lab hours

A thorough and non-technical guide to computing in modern society. Students acquire necessary concepts and skills to apply computing principles in their personal and professional lives. Topics include hardware, software, data storage, networking, privacy, ethics, security, and algorithmic problem solving. Lab sessions explore operating systems, productivity software such as spreadsheets, and an introduction to programming, currently using Python as a programming language. *Offered in fall, spring, summer*.

CSC 1401 Computer Programming (4 SCH)

Co-requisite: MTH 1304

3 lecture hours, 2 lab hours

This course covers algorithms and problem solving, basic algorithmic analysis, fundamental programming constructs and data structures, and basic algorithmic strategies. Students will learn the basic skills of constructing a problem solution and will illustrate this in labs with a high-level language (currently C). Students will also be introduced to different aspects of ethics in Computer Science.

CSC 1402 Computer Programming with Python (4 SCH)

3 lecture hours, 2 lab hours

This course is an introduction to the Python programming language for students in all Engineering and Computing disciplines, without prior programming experience. We cover data types and functions, control flow, infer object-oriented programming, and graphical user interface-driven applications. The examples and problems used in this course are drawn from diverse areas such as text processing, simple graphics creation and image manipulation.

CSC 2199, 2299, 2399, 2499, 2599 Special Topics in Computer Science (Title to be assigned when offered) 1, 2, 3, 4, 5 SCH

Prerequisite: SSE Approval.

Variable lecture and/or laboratory hours

Special topics in computer science. Courses may be taught by visiting or AUI faculty. This course is intended primarily for freshmen and sophomores. Cannot be repeated. *Offered as needed.*

CSC 2302 Data Structures (3 SCH)

Prerequisite: CSC 1401

3 lecture hours

This course will build on the knowledge and skills acquired in the introductory programming course. It covers different types of data structures (lists, queues, graphs, etc.) and the associated algorithms, emphasizing memory vs CPU tradeoffs.

CSC 2305 Computer Organization and Architecture (3 SCH)

Prerequisites: CSC 2302, PHY 1402

3 lecture hours

This course provides a discussion of the fundamentals of computer organization and architecture and relates it to contemporary design issues. Students will gain an understanding of the basic structure and operation of a digital computer. Topics include digital logic, instruction set architecture, computer arithmetic, architectural CPU design, and functional computer organization. Besides emphasizing the fundamental concepts, the course will discuss the critical role of performance in driving computer design.

CSC 2306 Object Oriented Programming (3 SCH)

Prerequisites: CSC 2302

3 lecture hours

This course builds on the broad understanding acquired in the previous programming courses to allow students to scale-up and be able to solve more complex problems through object-oriented methodology. The object-oriented paradigm encapsulates code complexity within objects and integrates features such as abstraction, cohesion, encapsulation, information hiding, inheritance, and polymorphism. The approach emphasizes software qualities such as robustness, maintainability, extensibility, and reusability principles in software development. This course also covers design patterns such as Observer, Template Method, Decorator, Factory, and Builder. Students will gain experience building object-oriented software solutions using the United Modeling Language (UML) and the Java programming language.

CSC 2309 Data Analysis (3 SCH)

Prerequisites: CSC 1402

3 lecture hours

This course covers the fundamental concepts and techniques of data analysis. It introduces students to data modeling, extraction, preprocessing, transformation, plotting, and visualization. Basic mathematical and statistical concepts useful for data analysis are introduced, including some basic machine learning algorithms and regression. Appropriate programming language and tools will be used for hands-on exercises and homework. Students will be introduced to Python (and its main data structures), along with NumPy, Pandas, matplotlib, and scikit-learn libraries and packages.

CSC 3261 Computer Programming Competitions (2 SCH)

Prerequisite: CSC 2302

2 lecture hours

This course is designed to prepare students for successful competition in programming contests. Students are encouraged to register as teams of three members and, if selected, must commit to represent AUI at ACM (inter)national programming competitions. The course focuses on the strategies and techniques of solving a wide range of programming problems quickly and with optimal accuracy. *Offered in Spring.*

CSC 3281 Ethical Hacking (2 SCH)

Prerequisite: Junior classification

2 Lecture hours

This course teaches the methodologies, techniques, and tactical tools of modern adversaries in order to give students insight into proper defensive, vulnerability assessment, and forensic and incident response processes. The course covers exploitation development, Metasploit Kung Fu, and coding custom payloads in Python for penetration testing.

CSC 3291 Analytics Competitions (2 SCH)

Prerequisite: CSC 1402

This course covers data processing, analysis, visualizations, and analytics-related algorithms, using data sets to test and evaluate analytical programs.

CSC 3315 Languages and Compilers (3 SCH)

Prerequisite: CSC 2306

3 lecture hours

An introduction to the analysis of computer languages and the tools used to translate them. Includes an overview of programming languages, virtual machines, introduction to language translation and language translation systems, basic computability, and automata theory. *Offered in spring*.

CSC 3323 Analysis of Algorithms (3 SCH)

Prerequisite: CSC 2302, Junior Classification

3 lecture hours

This course covers the study of algorithm design, including introductory concepts: sorting and searching algorithms; string, graph, and set algorithms; complexity classes; branch and bound algorithms; dynamic programming, and advanced topics. *Offered in fall and summer*.

CSC 3324 Software Engineering I (3 SCH)

Prerequisite: CSC 2306

3 lecture hours

Software Engineering is the application of engineering principles and techniques to the process of software development, delivery, maintenance, and decommission. Its purpose is to make the building of software systems formal and predictable, while delivering high quality software products that comply with client requirements and expectations. The main goal of this course is to learn how to build Professional Software, in a Business Environment, using a formal development framework/methodology, and to develop the necessary skills of Modeling, Analysis and Design, including System Architecture and Technology Stack issues, necessary to this end.

CSC 3326 Database Systems (3 SCH)

Prerequisite: CSC 2306 (OR CSC 2309 for non-computing-based programs) and Junior classification

3 lecture hours

The course covers the design and implementation of Relational databases. While significant focus is placed on Entity-Relationship and Relational modeling, other models and current trends in database are introduced. Relational Algebra and SQL are covered, including procedural SQL. A Relational DBMS is used along with database application development as lab work and class projects. Transactions and concurrency issues are also addressed.

CSC 3328 Embedded Systems (3 SCH)

Prerequisite: EGR 3331

This course surveys the application of computing systems in a range of devices ranging from nomadic devices to embedded real-time computers. Emphasis will be on developing applications for these platforms with stringent constraints such as low memory, limited power, limited processing power, no persistent storage capability, etc. An integral part of this course is the implementation of a system on one of the existing platforms, such as VxWorks, with a real time and mobility flavor. *Offered occasionally.*

CSC 3331 Introduction to Big Data Environment and Application (3 SCH)

Prerequisite: CSC 3326

The course introduces Big Data management and techniques that can be applied to massive datasets in distributed environments. The course covers the Map-Reduce parallel computing paradigm and Hadoop distributed file system. The course reviews data storage and preparation for applications, including some machine learning algorithms used for mining knowledge in datastores, including NoSQL.

CSC 3351 Operating Systems (3 SCH)

Prerequisites: CSC 2305

3 lecture hours

This course introduces students to fundamental concepts of operating systems. It emphasizes structures, key design issues, as well as the fundamental principles behind modern operating systems. It covers concurrency, scheduling, memory and device management, file systems, and scripting. The course uses implementations of Unix-like and Windows systems to illustrate some concepts. *Offered in fall and spring.*

CSC 3371 Computer Communications and Networks (3 SCH)

Prerequisites: CSC 2305

3 lecture hours

This course covers topics in data communications of interest to computing majors, such as types of LAN, VLAN, MAN, and WAN networks, with their corresponding access methods and link layer protocols. The course then moves on to cover the TCP/IP protocol stack, including IP functions such as addressing, routing, congestion control, and Transport layer function, such as reliable transmission and flow control. The course culminates into the coverage of major Internet enabling services and application layer protocols, namely DNS, SMTP, and HTTP.

CSC 3374 Advanced and Distributed Programming Paradigms (3 SCH)

Prerequisites: CSC 3326, CSC 3351

3 lecture hours

This course provides theoretical knowledge about, and practical skills in advanced

programming paradigms. It builds on the background acquired in introductory programming courses and other prerequisite courses to tackle programming models used in professional, enterprise-grade software development. Covered topics are organized into five parts, where each build on previous ones:

- Part I. Programming for communication: Client/server model and programming
- Part II. Programming for integration: Service-oriented model and programming
- Part III. Programming for performance: Multithreaded and asynchronous programming
- Part IV. Programming for extensibility: Functional and reactive programming
- Part V. Programming for scalability: Distributed and parallelized programming

This course adopts the 3 most popular programming languages: Python, JavaScript, and Java. Each time, it uses the most suitable language(s) to support and illustrate the concepts covered in each part.

CSC 3381 Web Applications (3 SCH)

Prerequisites: CSC 2305

3 lecture hours

This course introduces students to frameworks and tools to design and develop web applications, including server-side and client-side parts.

CSC 4301 Introduction to Artificial Intelligence (3 SCH)

Prerequisites: CSC 2306, Junior Classification

3 lecture hours

The course provides students with the knowledge to design intelligent systems that leverage the main cognitive skills of AI programming, namely learning from experience, reasoning strategically in complex decision-making situations, and self-correction from their own successes and failures. Specific topics include knowledge representation and reasoning, problem-solving through search, decision-making theory, knowledge acquisition, and machine learning. Students will be equipped with a skill set to create AI solutions through applied practice implementation of real-world systems, involving tasks such as Computer Vision (CV), Natural Language Processing (NLP), or Robotic Process Automation (RPA).

CSC 4307 Agile Software Engineering and DevOps (3 SCH)

Prerequisites: CSC 3324, Junior classification

3 Lecture hours

This course builds on the background acquired in the Software Engineering course to focus on Agility: its values, principles, roles, practices, frameworks, and tools. It compares Agile Software Development against traditional phase-based methodologies, such as Waterfall, to showcase the benefits of Agility in modern software development. It also exposes students to related operational risks and corresponding control measures.

As core Agile practices, Continuous Integration and Continuous Delivery (CI/CD) are emphasized. Furthermore, various state-of-the-art Agile Software Development frameworks, such as Scrum and XP, are presented.

Students will have the opportunity to apply Agile Software Development and integrate it to DevOps by using its supporting tools, technologies, and cloud services in the context of a team-based software project.

Tools include CI/CD automation servers, such as BitBucket and Jenkins. Technologies include containerization systems, such as Docker, as well as orchestration platforms, such as Kubernetes. Cloud services will be leveraged at the infrastructure, platform, and/or software levels.

CSC 4308 Cyber Security (3 SCH)

Prerequisites: CSC 3371, Junior classification

3 Lecture hours

This course introduces the students to the computing perspective of cybersecurity. It focuses on the role of cryptography in data and network security on the one hand and access control on the other. As such, the course covers the principles behind secret key encryption algorithms such as AES and message authentication functions (SHA-XXX, CMAC, HMAC), public key encryption (RSA, Diffie-Hellman, Elliptic curve cryptography), key management, and digital signatures. It introduces PKI and IAAA mechanisms for access control. Students are also introduced to security protocols such as TLS and IPsec.

CSC 4351 Statistical Analysis (3 SCH)

Prerequisites: MTH 3301

3 lecture hours

This course provides statistical methods and tools for analytics, helping students in applying them for purposes of data analysis, hypothesis testing, and building prediction and forecasting models.

CSC 4352 Big Data Analytics (3 SCH)

Prerequisites: CSC 3331

3 lecture hours

This course provides concepts and tools for building and adapting data-oriented analytical models based on massive data of different formats, using the parallel and distributed programming paradigms and data structures.

CSC 4199, 4299, 4399, 4499, 4599 Special Topics in Computer Science
(Title to be assigned when offered) 1, 2, 3, 4, 5 SCH

Prerequisite: Junior classification, SSE Approval

Variable lecture and/or laboratory hours

Special topics in computer science. Courses may be taught by visiting or AUI faculty. This course is intended primarily for juniors and seniors. Can be repeated (not to exceed 6 SCH). *Offered as needed.*

Economics (ECO)

ECO 1300 Introduction to Economics (3 SCH)

This course introduces students to the essentials of both microeconomics and macroeconomics. Topics in microeconomics include supply and demand, price elasticity, producer and consumer choices, and market structures. The macroeconomic section of the course will tackle gross domestic product, inflation, labor market, monetary and fiscal policy, and international trade.

ECO 2301 Microeconomics (3 SCH)

Prerequisite: MTH 1304, or MTH 1305, or MTH 1311

3 lecture hours

This course introduces students to the theoretical and practical knowledge of consumer and producer behavior, markets, prices, and business decision-making. The behavior of individual firms is analyzed through price and output determination in various market structures. Other topics include resource markets and issues involving the public sector and the market economy.

ECO 2302 Macroeconomics (3 SCH)

Prerequisite: ECO 2301

3 lecture hours

This course uses the standard tools of Macroeconomics to understand the key macroeconomic variables that affect the business environment and assist business decision making. Especially, it will analyze the implications of macroeconomic policy on aggregates, such as national income, unemployment, money and inflation, interest rate, fiscal and monetary policy, and exchange rates.

ECO 2303 Economic Analysis (3 SCH)

Prerequisite: ECO 2302

3 lecture hours

This course introduces the political economy. It covers the development and application of fundamental concepts to current societal problems.

ECO 2310 Introduction to International Economics (3 SCH)

3 lecture hours

This class is only open to non-Business Administration students. Students minoring in International Studies who have taken ECO 3301 International Trade and FIN 4304 International Finance are exempted from taking this course.

This course consists of three different sections. The first section examines the basis of trade, the gains from trade, and the impact of trade on growth, employment, and income. Topics include the theory of comparative advantage, the determination of terms of trade, and protection in theory and practice.

The second section of the course examines the impact of the international monetary system on international trade, inter-national capital management, employment, and growth. The course concludes by providing an introduction to the economics of international development. The primary objective is to give the students a basis for thinking about the international processes driving economic development.

ECO 2315 Environmental Economics and Circular Economy (3 SCH)

Prerequisites: ECO 1300, STA 2401

This course focuses on the first principles of economic theory and their use in environmental economics. Students learn how to account for circularity in economic activities for the sake of detecting entrepreneurial opportunities in environmental studies. Students acquire the understanding and expertise necessary to investigate environmental challenges from an economic standpoint.

ECO 3301 International Trade (3 SCH)

Prerequisites: ECO 2302, GBU 3311

3 lecture hours

This course introduces students to the theoretical foundations of modern international trade among nations, the effects of resources, factor productivity, social and cultural factors, and factor movement on trade. The course focuses on the economic inter-dependency of nations, economic and welfare analysis of government intervention, and income distribution of the different participants. The course also highlights the importance of trade in the development of economies and examines different issues in international capital flows.

ECO 3302 Economic Growth and Development (3 SCH)

Prerequisites: ECO 2302, ECO 2310 for International Studies Major

3 lecture hours

This course introduces theories of growth and planning and supports formulating

policies to foster and regulate growth. Emphasis is on the application of analytical concepts to improve economic welfare patterns, considering problems of capital formation and human and material resource use. Social indicators to differentiate between growth and development (e.g., education, health, women's status) are also addressed.

ECO 3303 Monetary Economics (3 SCH)

Prerequisite: ECO 2302

3 lecture hours

This course offers a study of Moroccan and international financial systems, institutions, investments, and instruments, including alternative monetary systems, exchange rate determination, and the balance of payments. Emphasis is placed on Moroccan monetary and fiscal policies for achieving domestic and international objectives.

ECO 3304 Intermediate Microeconomics (3 SCH)

Prerequisite: ECO 2301

3 lecture hours

This course intends to extend students' knowledge of microeconomics. It provides students with further insight into how economic models can help to understand and interpret real-world phenomena. The course focuses on the following topics: demand and supply, utility maximization, profit maximization, general equilibrium analysis, welfare market structures, the efficiency of free markets, consequences of externalities, monopolies, and public goods.

ECO 3305 Intermediate Macroeconomics (3 SCH)

Prerequisite: ECO 2302

3 lecture hours

This course provides an analysis of the measurement, determination, and control of aggregate economic activity; the monetary system in relation to income, prices, and employment; short-term income fluctuations; long- term growth.

ECO 3315 Environmental Policy and Economics I (3 SCH)

Prerequisite: ECO 2315

This course explores the economic effects of environmental regulations. Students acquire tools to estimate the costs and benefits of regulations. These tools are used to evaluate a series of current policy questions, including: Should air and water pollution regulations be tightened or loosened? What are the costs of climate change to Morocco's economy and to the economies of other countries? Is there a "Race to the Bottom" in environmental regulation? What kind of development is "sustainable"? How do environmental problems differ in developing countries? Are we running out of oil and other natural resources? Should we be more energy efficient? Students participate in an in-class simulation of an air pollution emissions market.

ECO 3399 Special Topics in Economics (3 SCH)

Prerequisites: ECO 2302, Junior classification

3 lecture hours

This course consists of specially scheduled readings on significant issues or topics relevant to the study of economics.

ECO 4306 Economic Development (3 SCH)

Prerequisites: ECO 2302, Junior classification

3 lecture hours

This course addresses the most important economic issues faced by developing economies. A special focus is placed on Morocco and the North African and Middle Eastern Economies. Students are expected to use economic models to analyze

economic questions and to assess the economic impacts of development projects. They are also expected to analyze and suggest sound economic policies. Special research projects are assigned and discussed by the students.

ECO 4315 Environmental Policy and Economics II (Seminar) 3 SCH

Prerequisite: ECO 3315

This course is the continuation of Environmental Policy and Economics I. It is taught as a seminar where the students participate in projects and conduct research on specific environmental policies.

Engineering and Decision Support (EDS)

EDS 3301 Optimization and Operations Research (3 SCH)

Prerequisite: EGR 3303, EGR 2210

3 lecture hours

This course provides students with concepts and tools to model manufacturing or service systems efficiently using Operations Research techniques, mainly. It focuses on formulating models based on deterministic and stochastic Operations Research techniques, applying these techniques for decision making, and developing solutions from the models.

EDS 3302 Forecasting and Time Series (3 SCH)

Prerequisite: EGR 3303, EGR 2210

3 lecture hours

A practical course on analyzing data that arise sequentially in time (e.g., sales volume, precipitation, GDP, demand, unemployment rates, etc.). The course will teach students: how to detect trends and underlying seasonal patterns; how to use the Box-Jenkins methodology, autoregressive, and moving average processes; and about exponential smoothing, classical decomposition, and regression methods. It will also provide an introduction to multivariate time series and Neural Networks Auto-regression.

EDS 4303 Graph Theory Applications (3 SCH)

Prerequisite: EGR 3303, EGR 2210

3 lecture hours

This course treats graph theoretical models and real-life problem solving, as well as the use of algorithms, both in the mathematical theory of graphs and their applications. In this course, the basic theory of graphs of different kinds is developed in detail, especially trees and bipartite graphs.

EDS 4304 System Simulation (3 SCH)

Prerequisite: EGR 3303, EGR 2210

3 lecture hours

This course is aimed at equipping students with the knowledge on discrete-event simulation. A software will be used to model, build, and run simulation models. The course covers topics on discrete-event approaches, representing uncertainty, trace-driven simulation, input data analytics, modelling and building simulation models, verifying and validating simulation models, experimentation and running of simulation models, analysis of output results, etc. Promodel/Awsim for Facility Design; Auto CAD for Product design; and R-Studio/SPSS for Statistical Analysis.

EDS 4305 Numerical Analysis (3 SCH)

Prerequisite: EGR 3303, EGR 2210

3 lecture hours

This course will emphasize the development of numerical algorithms to provide

solutions to common problems formulated in science and engineering. The primary objective of the course is to develop a basic understanding of the construction of numerical algorithms, and perhaps more importantly, the applicability and limits of their appropriate use. The emphasis of the course will be the thorough study of numerical algorithms to understand (1) the guaranteed accuracy that various methods provide, (2) the efficiency and scalability for large-scale systems, and (3) issues of stability. Topics include the standard algorithms for numerical computation.

EDS 4306 Non-linear Optimization (3 SCH)

Prerequisite: EGR 3303, EGR 2210

3 lecture hours

Optimization is widely needed to support decision-making in a wide range of applications, from planning industrial chemical plants to training models that learn from data. In this course, the student will learn the basic optimization theory behind the main numerical algorithms available and how they can be applied to solve optimization problems. At the end of the course, it is expected that the student will be capable of analyzing the main characteristics of an optimization problem and decide what is the most suitable method to be employed for its solution.

EDS 4307 Introduction to Industry 4.0 (3 SCH)

Prerequisite: EGR 3303, EGR 2210

3 lecture hours

This course concerns the transformation of industrial processes through the integration of modern technologies such as sensors, communication, and computational processing. Industrial Internet of Things (IIoT) is an application of IIoT in industries to modify the various existing industrial systems.

EDS 4308 Stochastic Processes (3 SCH)

Prerequisites: MTH 3301 Probability and Statistics for Engineers

3 lecture hours

This course covers the study of Poisson processes and their properties, renewal death and birth of processes, Markov chains, Markov Processes, Markov Decision Processes, Queueing theory, and networks of queues, as well as fluid models for queues. Various applications, such as inventory management, replacement, reliability, and job shop modelling are also covered.

Engineering (EGR)

EGR 2201 Introduction to Engineering (2 SCH)

Prerequisite: Sophomore classification

2 lecture hours

This course provides an introduction to the profession and practice of engineering. It helps students build problem solving, critical thinking, design, ethics, effective learning, and study techniques. The course promotes working in teams and different learning styles. Students will be exposed to the engineering fields and career planning. They will learn about the engineering challenges facing Morocco and the world in the 21st century.

EGR 2210 Computer Aided Engineering (2 SCH)

Prerequisite: EGR 2201

1 lecture hour, 2 lab hours

This course provides an introduction to engineering design. SStudents will be introduced to sketching, design drawing, modeling, analysis, and international standards, as well as learning about dimensioning and tolerancing. Students will make

use of software for engineering design, drawing, modeling, and analysis.

EGR 2199, 2299, 2399, 2499, 2599 Special Topics in Engineering (Title to be assigned when offered) (1, 2, 3, 4, 5 SCH)

Prerequisite: SSE Approval

Variable lecture and/or laboratory hours

These courses cover special topics in engineering, and may be taught by visiting or AUI faculty. This course is primarily intended for freshmen and sophomores, and cannot be repeated.

EGR 2301 Statics (3 SCH)

Prerequisites: PHY 1401

3 lecture hours

This course covers the mechanics of bodies at rest. Topics covered include free body analysis, vector analysis of particles and rigid bodies, including equilibrium in two and three dimensions, center of gravity, centroids, distributed loads, truss analysis, simple structures and machines, friction, and internal actions in static equilibrium with applied forces and couples.

EGR 2302 Engineering Economics (3 SCH)

Prerequisites: MTH 1303

3 lecture hours

This course covers the time value of economic resources, engineering project investments analysis, and the effect of taxes on engineering project decisions. Students learn about societal, technical, economic, environmental, political, legal, and ethical analyses of project alternatives.

EGR 2311 Dynamics (3 SCH)

Prerequisite: EGR 2301

3 lecture hours

This course covers the mechanics of bodies in motion, mass, acceleration, and kinematics and kinetics of particles and rigid bodies, including impulse-momentum and work-energy.

EGR 2312 Mechanics of Materials (3 SCH)

Prerequisite: EGR 2301, Corequisite: EGR 3304

3 lecture hours

This course covers analysis of stresses, strains, and deformations that occur inside a material or structure. Students also learn about the mechanics of deformable bodies, including energy methods.

EGR 2353 Environmental Engineering (3 SCH)

Prerequisite: CHE 1401

This course is designed for engineering students and quantitatively oriented scientists. This Introduction to Environmental Engineering and Science course covers a broad range of environmental topics, including issues related to air and water pollution, hazardous waste and risk assessment, waste treatment technologies, and global climate change. Topical issues also covered include hazardous substances, risk analysis, groundwater flow and contamination, global warming, stratospheric ozone depletion, and outdoor and indoor air pollution, including radon in homes and acid rain. This course is highly recommended for undergraduate students who wish to pursue a Master of Science Degree in Energy Management.

EGR 2391 Accounting for Engineering Management (3 SCH)

Prerequisite: MTH 1311
3 lecture hours
Prohibits credits from ACC 2301
This course covers the fundamental concepts of accounting, double entry accounting theory, recording procedures, worksheet techniques, and financial statements.

EGR 2402 Electric Circuits (4 SCH)

Prerequisites: EGR 2210, PHY 1402
3 lecture hours, 2 lab hours
The topics covered in this course include the basic principles of R-L-Circuit concepts; Kirchoff's laws, powerflow, resistive networks analysis, loop and node equations, wye-delta conversions, topology, basic network theorems, magnetic circuits, computer-assisted solutions of large-scale problems, elementary transient analysis, and steady state A-C phasor analysis, including element laws and phasor diagrams.

EGR 3203 Applied Undergraduate Research (2 SCH)

Prerequisite: Junior classification
In this course, the student will participate in a formal research project, usually as part of a group of students with a single faculty supervisor. The emphasis of the course is on application of standard research methodology to a defined problem, including formulating a clear research statement, developing and following a clear and appropriate methodology, documenting work done, and reporting a meaningful analysis of results obtained.

EGR 3204 Robotics Competitions (2 SCH)

Prerequisite: Junior classification
This course prepares students to compete in national and international competitions in robotics. Typically, students build robots and program them to complete tasks as defined by competition organizers. The course focuses on design and engineering and draws on mechatronics, mechanics, computing, and Artificial Intelligence.

EGR 3271 Innovation and Entrepreneurship (2 SCH)

Prerequisite: Junior classification
The aim of the course is to motivate students to innovate in Computing Technology. To achieve this goal, students will be introduced to basic terminology and taxonomy of innovations including the Open Source/Open Hardware as a modern concept, ideation and where to find data for ideation, what constitutes a good idea, and design thinking for finding solutions. The students will then work on building an Open Source/Hardware solution for an identified idea.

EGR 3281 Sustainability and Energy Efficiency Competitions (2 SCH)

Prerequisite: Junior classification
This course prepares students to compete in national and international competitions in sustainability and energy efficiency. Typically, students build robots and program them to complete tasks as defined by competition organizers. The course focuses on design and engineering and draws on mechatronics, mechanics, computing, and Artificial Intelligence.

EGR 3301 Fluid Mechanics (3 SCH)

Prerequisite: EGR 3302
3 lecture hours
This course covers basic principles of fluid states, fluid dynamics, ideal and viscous

flows, mass and energy balances, Bernoulli's Equation, momentum balance, laminar and turbulent flow, boundary layer theory, flow through media, and dimensional analysis. Students will also learn about the applications of fluid mechanics to turbo-machinery and wind energy.

EGR 3302 Thermodynamics (3 SCH)

Prerequisites: EGR 2311

3 lecture hours

This course covers the fundamentals of converting energy, thermodynamic properties of liquids and gases, 1st and 2nd laws, energy, mass and entropy balances, irreversibility, and entropy. Other topics covered include power cycles, refrigeration cycles, and psychometrics. Students also learn about macroscopic systems involving energy and its various forms, and applications to conventional and emerging energy systems.

EGR 3303 Engineering Statistics (3 SCH)

Prerequisite: MTH 3301

3 lecture hours

This course introduces students to the design of experiments and statistical analysis through data collection and experimentation. Some of the topics covered include descriptive statistics, least squares, elementary probability distributions, confidence intervals, hypothesis tests, and analysis of variance as applied to analysis of engineering data.

EGR 3304 Materials Science (3 SCH)

Prerequisite: CHE 1401, Corequisite EGR 2312

3 lecture hours

This course introduces students to the properties and selection of common engineering materials used in engineering applications. Engineering materials in physical systems are subject to thermal, mechanical, electrical, and chemical stress. The use of appropriate engineering materials for a specific application is critical to the reliability of the engineering system. The course provides basic knowledge of material parameters, including atomic structure; basic mechanical, thermal, and electrical properties; composite material structures; metal and ceramic materials; corrosion; semiconductor materials; reliability and material failure; and material testing.

EGR 3305 Signals and Systems (3 SCH)

Pre-requisite: EGR 2402

3 lecture hours

The primary goal of this course is to provide a thorough understanding and analysis of signals and systems. The course deals with signals, systems, and transforms, from their theoretical mathematical foundations to practical implementation in engineering. At the completion of this course, students should have a deep understanding of the mathematics and practical issues of signals in continuous and discrete time, linear time-invariant systems, convolution, and Fourier transforms, Z-transform, Laplace transform and its properties, frequency response in s-domain, and Bode diagram.

EGR 3306 Engineering Instrumentation and Mechatronics (3 SCH)

Prerequisites: EGR 2402, EGR 3331

3 lecture hours

The course deals with the appropriate measurement techniques and proper instrumentation to acquire data. Topics covered include: measurement standards; systems of units; accuracy, precision, calibration, and measurement errors; time and frequency measurements; measurements using analog techniques and equipment; measurements using digital equipment; methods of conditioning data signals; sensors

for physical variables such as piezoelectric and photoelectric devices, electronic amplifiers, operational amplifiers; various specialized measuring devices such as stroboscopes, oscilloscopes, and electronic data recorders.

EGR 3310 Microcontrollers (3 SCH)

Pre-requisite: EGR 3331

This course introduces students to the world of microcontrollers, including GPIOs, Interrupts, bootloaders, and toolchains. It then exposes them to microcontroller-based systems and their hardware and software integration with peripheral devices including sensors, actuators, and serial communications. The course uses the AVR ATMega328 microcontroller and hands-on course projects are completed in C, using the basic programming techniques learned in CSC 1402 and CSC 2309.

EGR 3314 Power Electronic Systems (3 SCH)

Pre-requisite: EGR 2402

This course introduces students to power electronics and explains the applications of solid-state electronics for the control and conversion of electric power. The course covers the main power electronics topics - namely, power computations, dc-dc converters, dc power supplies, inverters, rectifiers, and drive and snubber circuits. The student is encouraged to use software tools, such as MATLAB to derive the solution to the equations describing power electronics circuits. The PSpice simulation tool is used to investigate the basic behavior of power electronics circuits.

EGR 3316 Control Systems (3 SCH)

Pre-requisite: EGR 3305

This course introduces students to the fundamental principles, concepts, and characteristics of feedback control systems. it provides the necessary theoretical background and understanding to model and simulate controlled physical systems using transfer functions, response characteristics, and methods for analyzing the time response, the frequency response, and the stability analysis (Routh-Hurwitz and Nyquist) of various systems. Further, the course goes deeper into the various aspects of controller design such as P, PI, PD, PID controllers, and compensators, lead-lag/lag-lead in time and frequency domains using Bode diagrams, Nyquist plot, Nyquist stability criterion, gain, and phase margins.

Laboratory: Control System Modelling and Simulation using Simulink/MATLAB Control System Toolbox.

EGR 3319 Introduction to FPGA Design for Embedded Systems (3 SCH)

Prerequisite: EGR 3331

Programmable Logic has become more and more common as a core technology used to build electronic systems. By integrating soft-core or hardcore processors, these devices have become complete systems on a chip, steadily displacing general-purpose processors and ASICs. In particular, high-performance systems are now almost always implemented with FPGAs. This course will give you the foundation for FPGA design in Embedded Systems along with practical design skills. You will learn what an FPGA is and how this technology was developed, how to select the best FPGA architecture for a given application, how to use state-of-the-art software tools for FPGA development, and how to solve critical digital design problems using FPGAs. You use FPGA development tools to complete several sample designs, including a custom processor. If you are thinking of a career in Electronics Design or are an engineer looking at a career change, this is a great course to enhance your career opportunities.

EGR 3320 Industrial Robotics (3 SCH)

Prerequisite: EGR 3331

Industrial robots are widely used in industrial automation. In this course, students will cover the various elements that make an industrial robot system, analyze robot manipulators in terms of their transformation and kinematics, select an appropriate robotic system for a given application, and program and control an industrial robot system for specific tasks. Topics include: coordination; Denavit-Hartenberg parameters; joint space and Cartesian space; forward kinematics and Inverse kinematics; Jacobian; Manipulator Sensors; Actuators; Feedback and feedforward Control Systems; PID Control System; and Robot trajectory Generation.

EGR 3331 Digital Design (3 SCH)

Prerequisite: EGR 2201

3 lecture hours

Introductory concepts needed to design digital systems. Classical methods, including Boolean algebra, combinational and sequential logic, and modern register transfer languages illustrate the design methods. The course is organized to provide a generic approach to the design of digital systems that does not require selecting a particular integrated circuit technology. Basic computing elements, efficient logic design methods, and appropriate digital system diagrams are used in the design procedure. Topics covered include logic functions, arithmetic circuitry, memory, error correcting principles, digital code conversions, timing sequences, principles of integrated circuits, principles of machine language, and microprocessor design, all of which are needed to design complex digital systems.

EGR 3351 International Engineering (3 SCH)

Prerequisites: EGR 2301, EGR 2302, Junior classification

3 lecture hours

This course exposes students to the opportunities and challenges of engineering in a global workplace. The course teaches on the influence of national and cultural norms on engineering design, working in a multicultural and international team, and covers international and local standards. This course may be offered as a faculty-led course in Morocco and abroad.

EGR 3355 Introduction to Biotechnology Engineering (3 SCH)

Prerequisite: BIO 1400, or BIO 1401, or Instructor's approval

3 lecture hours

This course introduces the field of biotechnology with a broad view. Students will learn the processes and methods used to manipulate living organisms and products from these organisms for medical, agricultural, and industrial purposes. Through interactive discussions, this course will cover biotechnology and how it is applied, including discussions on the implications in gene therapy, medicine, agriculture, marine biology, and forensics, amongst others. Students who opt for this course will also explore the engineering orientation of biotechnology through a variety of collaboration projects.

EGR 3372 Innovation and Entrepreneurship (3 SCH)

Prerequisites: MGT 3301, or EGR 3391, MKT 3301, FIN 3301

3 lecture hours

Prohibits credit from MGT 3302

This course explores the role of the entrepreneur in the economic system. It teaches students how to start, finance, and operate a successful business. Students learn about the process of developing a business plan, sources of capital, recruiting, forecasting, and financial planning.

EGR 3390 Management of Information Resources (3 SCH)

Prerequisite: MIS 3301

3 lecture hours

This course introduces students to managerial and organizational issues involved in operating a firm. It covers the role of automated information processing, automated support processes, and information systems. Topics covered also include planning the development, direction, and control of computer information systems.

EGR 3391 Principles of Management (3 SCH)

Prerequisites: EGR 2302, EGR 2391

3 lecture hours

Prohibits credit from MGT 3301

This covers the fundamental principles and concepts of management, with applications to technical organizations and professions. Topics covered include planning, organization, leadership, and control. Students also learn about national culture, globalization, and personal management techniques.

EGR 4199, 4299, 4399, 4499, 4599 Special Topics in Engineering (Title to be assigned when offered) (1, 2, 3, 4, 5 SCH)

Prerequisites: Junior classification, SSE Approval

Variable lecture and/or laboratory hours

These courses cover special topics in engineering. They may be taught by visiting or AUI faculty. These courses are primarily intended for juniors and seniors. Can be repeated (not to exceed 6 SCH).

EGR 4204 Selected Topics in Optimization (2 SCH)

2 lecture hours

In this course, students will work independently on selected innovative topics in optimization combining mathematical theory and computing.

EGR 4205 Selected Topics in Logistics and Manufacturing (2 SCH)

2 lecture hours

Students will work independently on selected innovative topics related to manufacturing and/or logistics.

EGR 4300 Internship (3 SCH)

Prerequisites: ENG 2303, FRN 3310, or equivalent

3 lecture hours

This course consists of on-the-job education and training in a public or private sector agency or business related to the student's major. Students must consult with the internship director to arrange for a three-party contract to be drawn up that details the amount and nature of the work to be done. The contract (Contrat de Stage) must be signed by the student, the internship director, and the agency or businessperson supervising the work before work begins. Completion of the UCC Arabic/French language requirement is strongly recommended before this experience. May be combined with EGR 4402 for 7 SCH with approval.

EGR 4305 Business Intelligence and Data Mining (3 SCH)

3 lecture hours

The course aims at examining Business Intelligence (BI) as a broad category of applications and technologies for gathering, storing, analyzing, sharing, and providing access to data to help enterprise users make better managerial decisions. Special attention will be given to data mining processing for BI and focus will be given to applications in marketing, analyzing campaign returns, promotional yields, or tracking

social media marketing in sales. The course includes developing a BI project (case-study) using BI software.

EGR 4311 Inferential Statistics for Big Data (3 SCH)

3 lecture hours

Prerequisite: MTH 3301

This course covers the fundamental building blocks of inferential statistical analyses in Big Data applications. Students will be exposed to R, Bayesian networks, Expectation Maximization (EM) algorithm, principal component analysis (PCA), Regression Methods, Hypothesis testing, Parameter Estimation, t-test, confidence interval, Analysis of Categorical Data, Bootstrapping, Cross Validation, and permutation tests.

EGR 4313 Project Management and Business Plan (3 SCH)

3 lecture hours

Learn how to design project components. This requires students to formulate project plans with off-campus enterprises, including identifying specific milestones, targets, and evaluation criteria.

GANT chart and Microsoft Project are used.

EGR 4340 Honors Independent Study (3 SCH)

3 lecture hours

Open to Honors Program students who need to pursue individual work under the supervision of a designated faculty member.

EGR 4391 Management Information Systems (3 SCH)

Prerequisites: CSC 1300 and EGR 3391 and CSC 3326

It introduces basic information systems concepts and computer-based technologies. Emphasis is on understanding the role of information in the business organization and how available computer-based technologies enable the manager to exploit and manage information and enhance the success of the firm.

EGR 4392 Project Management (3 SCH)

Prerequisites: MTH 3301, Junior classification

3 lecture hours

Prohibits credits from MGT 4312

This course covers the planning, scheduling, execution, and evaluation of projects. Concurrent with planning techniques, students learn how to use Project Management Software for managing a project.

EGR 4393 Production and Operations Management (3 SCH)

Prerequisite: MTH 3301

3 lecture hours

Prohibits credits from MGT 4303

This course covers the management of production and operations in manufacturing and service organizations. It introduces students to basic principles of design, analysis, and control of production systems, as well as the allocation and use of resources to produce goods and services.

EGR 4402 Capstone Design (4 SCH)

Prerequisites: ENG 2303, Completion of the GER Arabic/French language requirement

lecture hours 4 lab hours

This course is to be taken during the last regular semester of enrollment. This project-design course aims to consolidate the information gathered in all previous courses,

identifying appropriate standards, and incorporating realistic constraints. The content will vary and will take into account the technical electives and optional engineering courses selected.

English (ENG)

ENG 1301 English Composition I (3 SCH)

Prerequisite: Student should pass all Language Center modules possible
Corequisite: FAS 0210

3 lecture hours

This course introduces students to the essay genres of reflecting, reporting, explaining, and arguing. This involves writing several genres of academic essay following the process approach to construction, including four out-of-class essays. The expository and argumentative essays are sourced from a course reader. At least two additional essays are written in class on topics not announced in advance. Additional exercises deemed important for learning fluent and accurate writing are assigned from a course rhetoric/grammar text and other supplementary material. A semester-long project of keeping a writer's journal may be part of the instruction.

ENG 2301 Critical Thinking and Written Communication (3 SCH)

Prerequisites: Successful completion of all FAS courses, ENG 1301, COM 1301

3 lecture hours

This course is designed to perfect writing skills necessary to advanced undergraduate writing in the humanities and social sciences and especially to improve students' abilities to write cogent argumentative prose in academic settings. It builds on the skills of clarity, coherence, and attention to audience and purpose established in ENG 1301 and COM 1301, and emphasizes the refinement of writers' abilities to incorporate research appropriately and fluidly into texts. The course provides instruction and practice in the identification and analysis of the written and spoken argumentation of others. It includes exposure to and practice in a variety of approaches to argumentation, including those of Aristotle, Toulmin, Habermas, and Rogers. It includes instruction in identifying and framing issues, recognizing argument styles, reading argumentation, and identifying and avoiding logical fallacies in one's argumentation. This course is not an equivalent of the ENG 2302 or ENG 2303 courses.

ENG 2302 Writing for Business (3 SCH)

Prerequisites: Successful completion of all FAS courses, ENG 1301, COM 1301

3 lecture hours

This course is designed to perfect writing skills necessary to advanced undergraduate writing in SBA courses and future writing tasks in professional contexts. Building on skills learned in ENG 1301 and FAS courses, it emphasizes writers' abilities to analyze and synthesize information and to incorporate data and opinions compellingly into texts. The two initial weeks of the course are devoted to the curriculum vitae, memos, and email communication. The five following weeks are devoted to writing case studies and short research reports. The last half of the semester is dedicated to carrying out a research project on a subject within the business major and writing a research report: this includes writing a research proposal to precede the research project itself.

ENG 2303 Technical Writing (3 SCH)

Prerequisites: ENG 1301, COM 1301, successful completion of all FAS courses

3 lecture hours

This course is designed to develop the writing skills necessary for advanced undergraduate writing in SSE courses and for future writing tasks in professional contexts. Building on skills learned in ENG 1301 and FAS courses, it emphasizes writers' abilities to analyze and synthesize information and to incorporate them into concise and clear texts. Students will write resumes, cover letters, memorandums, reports, professional emails, and a final research paper. In the context of these or in separate assignments, they will practice rhetorical approaches, such as process instruction, process analysis, comparison-contrast, classification, and definition. The last half of the semester requires the writing of a research paper on an approved academic topic, beginning with the submission of a research proposal at the start of the research process.

ENG 2304 Special Topics in Writing (3 SCH)

3 lecture hours

This course provides the opportunity to explore new topics in writing, rhetoric, and professional communication. It will vary in content according to faculty expertise and relevancy of current issues in composition. Each time the course is offered, the specific content will be announced. Depending on the subject matter, students may be required to have completed prerequisite courses.

ENG 2311 Translation (3 SCH)

Prerequisite: Junior classification

The aim of this Arabic-English Translation course is to help students improve their English composition skills at both the graduate and undergraduate levels, and to reinforce their command and knowledge of the English language and culture. It is also an introduction to the principles of professional translation, methodology, translation software, and cognitive processes involved in translation. Through the translation process, students will develop awareness of the problems in Arabic- English vocabulary, grammar, syntax, various types of sentence structure, phraseology, rhetoric, and style. Close attention will be paid to language interference, to formal/informal language, and to British vs. American English in terms of diction, spelling norms, and grammar. The course will also encourage students to recognize the purpose of different types (narrative, reporting, descriptive, expository, and argumentative) of texts being translated. It will provide some theory, but a lot of practice, with the aim of helping students to expand their international communication skills, regardless of their field of study.

ENG 2312 News Reporting: An Introduction (3 SCH)

Prerequisite: Junior classification

This course will introduce students to the basics of researching, interviewing, and writing objective news reports for both print/online and live venues. Students will also learn and practice critical thinking required to make sound reporting decisions. Students will also learn to prepare, record, document, and write interview reports from primary sources. Clear and effective writing begins with reading - that is, through thoughtful engagement with prior acts of writing. We will therefore devote considerable attention to developing the skills necessary for a critical engagement with texts provided in the course reader. Students will develop a range of skills necessary for the scrutiny and close reading of texts, by focusing not only on textual meaning or argument, but also paying careful attention to matters of form, style, and design.

ENG 2313 Nonfiction Narrative (3 SCH)

Prerequisite: Junior classification

The purpose of this course is to provide students with an introduction to university-level skills in writing creative non-fiction compositions. Specifically, students will learn the skills necessary to produce original, university-level personal essays. A constant emphasis will be placed on writing and thinking as a process that unfolds through critical engagement with topics. Attention will be paid to the forms and conventions of non-fiction essays. Students are expected to already possess a sound understanding of the forms and conventions of standard, written English. However, we will also address and reinforce topics such as writing effective sentences, composing paragraphs, and matters of style. Clear and effective writing begins with reading - that is, through thoughtful engagement with prior acts of writing and reflection. We will therefore devote considerable attention to developing the skills necessary for a critical engagement with texts provided in the course reader. Students will develop a range of skills necessary for the scrutiny and close reading of texts, by focusing not only on textual meaning or argument, but also through careful attention to matters of form, style, and rhetorical construction. We will be concerned, therefore, not simply with what a text says, but more importantly, with how it says it.

ENG 2320 Creative Writing (3 SCH)

Prerequisite: ENG 1301

In this course, students will immerse themselves in the work of reading and writing, and create their own community of writers. Students will read a novel and a wide variety of short stories and poems and discuss them. As the course progresses, students will examine how craft transforms the source material for writing, how working at the craft of writing brings raw instinct and critical understanding into some sort of equilibrium. Students will learn how to workshop their peers' poems and stories in informal group discussions. We will study certain forms and genres of writing and acquire some philosophical concepts about reading and writing and life itself.

ENG 3301 Writing for the Professions in English (3 SCH)

Prerequisite: Junior classification

3 lecture hours

This course treats the technical writing needs of corporate and government HRD professions and focuses on refining the skills developed in ENG 2301 in the following genres: advanced writing for industry, administration, and the corporate world, while emphasizing proposals, technical reports, and position papers that include the usual protocols for interoffice memos and letters. The course also examines conventions of politeness using electronic media.

Environmental Science (ENV)

ENV 3301 Resource Management (3 SCH)

Prerequisite: GEO 2305 and GEO 2306

This is a project-based course that explores the management practices and regimes of various natural resources, including forests, fisheries, energy, wildlife, pasturelands, and soils. Students work on cases using real data.

ENV 3302 Renewable Energy and Conservation (3 SCH)

Prerequisite: GEO 2305 and GEO 2306

Students in this course study the advantages and disadvantages of the range of renewable energy sources: hydroelectricity, solar, wind, and tidal energy, as well as biofuels. The technological requirements of each are explored, as are the political and economic factors related to their production.

ENV 3304 Environmental Risk Assessment (3 SCH)

Prerequisite: GEO 2305 and GEO 2306

This is a project-based course that explores how GIS and Remote Sensing are used to assess and forecast a variety of risks, including tectonic events (earthquakes, volcanic eruptions and tsunamis), and weather-related events (flooding, storms, landslides, forest fires and droughts). Students work on cases using real data.

ENV 3305 Agriculture and Food Systems (3 SCH)

Prerequisite: GEO 2305 and GEO 2306

Students in this course study agricultural production in Morocco and globally. The politics and economics of access to foodstuffs, and of food security, in particular, are analyzed. Students learn about the technological and sociological requirements of various agricultural systems, as well as their environmental impacts.

ENV 3399 Special Topics in Environmental Studies (3 SCH)

Specially scheduled courses on significant issues or topics relevant to the study of the environment and sustainability.

Foundations of Academic Success (FAS)

FAS 0210 Strategic Academic Skills (2 non-degree credits)

Prerequisite: Complete all LC classes

This course offers basic study skills and information literacy skills preparing students for academic success at AUI. Students are trained to take responsibility for their own learning through tasks that require them to reflect on, as well as evaluate, their current study habits, and to implement new strategies that improve their learning. Students are also introduced to the Information Literacy Skills necessary to communicate effectively in online, classroom, academic, and group contexts. These skills include being able to locate, evaluate, synthesize, and present information efficiently and effectively. They learn and practice the principles of effective academic research and demonstrate their mastery in a final project. This course can be waived upon successful completion of a placement test or upon meeting portfolio requirements.

FAS 1220 Introduction to Critical Thinking (2 SCH)

Prerequisite: FAS 0210

This course is designed to develop students' understanding of the critical thinking process, with a view to improving their own reasoning and analysis skills. In the first part of the course, students will be introduced to the principles of argumentation, analysis, and reasoning. They will learn how to examine and analyze evidence and evaluate the quality of different sources of information. Students will engage with a variety of academic and mass media sources and will be asked to respond critically in writing and during class discussion to the issues raised in class readings. In the second part, students will work in small groups on a team-selected topic and will employ the concepts of critical thinking and analysis skills as they write a collaborative research paper using APA style. Throughout this process, students will be expected to evaluate their own work, as well as the work of their peers.

FAS 2210 Graduate Academic Skills (2 SCH)

This course develops the practical skills and abilities needed for academic success at the graduate level. These include the fundamental skills of critical thinking, critical reading, note-taking, problem solving, time management, seminar presentation, research, prevention of plagiarism, and test-taking skills. The course takes a content-based approach to the development of these skills through the process of library searches for academic material, using the Mohammed VI Library search systems and

databases. Students learn to develop annotated bibliographies and use the Chicago Manual and APA styles of referencing. Content retrieved from the library searches is incorporated into a graduate-level research paper (10-15 pages) that requires multiple drafts. The paper requires proper in-text citation and must follow the conventions of academic writing. Progress is assessed at midterm and the end of the semester.

Finance (FIN)

FIN 3301 Principles of Finance (3 SCH)

Prerequisites: ACC 2302, ECO 2302; or ACC 2301, EGR 2302 (SSE); or ACC 2301, ECO 2302 (SHSS)

3 lecture hours

Financial management for business and the corporation emphasizes the conceptual framework and principles of financial management for business organizations. The topics of the course are designed to integrate the knowledge from the introductory courses in accounting and economics, with a special focus on financial decision-making.

FIN 3302 Money and Banking (3 SCH)

Prerequisite: FIN 3301

3 lecture hours

This is an overview of general monetary and banking policies. It deals with the supply of money for a nation and the relationship of commercial banking with the supply and demand for money. This course also analyses monetary concepts, central banking functions, and techniques of monetary stabilization.

FIN 3303 Corporate Financial Management (3 SCH)

Prerequisite: FIN 3301

3 lecture hours

This course continues the study of financial decision-making in corporations. The main topics covered are advanced ratios analysis, capital budgeting, capital structure, dividend policy, and an introduction to portfolio management. The course also provides an in-depth analysis of financial problems with the organization, operation, merger, and dissolution of corporations.

FIN 3305 Introduction to Islamic Banking and Finance (3 SCH)

Prerequisite: FIN 3301

3 lecture hours

This course discusses the basic differences between Islamic banks and conventional banks, financial instruments of Islamic banks, profit/loss sharing, Takaful, capital markets, and unique risks faced by Islamic financial institutions.

FIN 3306: Corporate Governance (3 SCH)

Prerequisite: FIN 3301

At the end of this course, students will have an understanding of the underlying theory, principles, and practices that surround the governance of modern corporations. The course focuses, in particular, on the mechanisms that shareholders use to ensure that managers maximize shareholders' wealth. Topics include the history of the corporation, boards of directors, agent theories, management and executive compensation, profit sharing, employee ownership, stock options, and shareholders' rights.

FIN 3307 Financial Reporting and Analysis (3 SCH)

Prerequisite: FIN 3301

3 lecture hours

This course is meant to complement related studies in accounting, finance, economics, business policy, and statistical analysis. It focuses on understanding the uses and the limitation of both the financial statements, the accounting disclosure rules, the differential effects of alternative accounting principles, and the interpretation of financial information. Students' motivation and skill development will be enhanced by using problems and cases for actual companies.

FIN 3399 Special Topics in Finance (3 SCH)

Prerequisites: FIN 3301, Junior classification

3 lecture hours

This course consists of specially scheduled readings on significant issues or topics relevant to the study of finance.

FIN 4304 International Finance (3 SCH)

Prerequisites: FIN 3301, GBU 3311, Junior classification

3 lecture hours

This course introduces students to the world of international finance, investment, and business. Standard financial management and the multidimensional world of decision-making within a global context are addressed.

FIN 4305 Financial Intermediation (3 SCH)

Prerequisites: FIN 3302, FIN 3303, GBU 3311

3 lecture hours

This course reviews the theory and practice of financial intermediation. It focuses on the goals and frameworks of financial intermediaries (such as commercial banks, insurance companies, pension funds, and investment companies) that help transfer financial resources from savers to borrowers. Methods of structuring assets and liabilities are also presented.

FIN 4306 Financial Investments and Securities Analysis (3 SCH)

Prerequisites: GBU 3311, FIN 3303

3 lecture hours

This course deals with financial investments with an emphasis on identifying, evaluating, and selecting investments. It also evaluates the trade-off between investment return and its associated risk.

FIN 4308 Financial Futures, Options, and Other Derivative Securities (3 SCH)

Prerequisite: FIN 4306

3 lecture hours

This course introduces financial futures, options, and other derivative securities as speculative or investment vehicles. Theory and application are equally stressed. A major objective is to establish the relationship between derivative securities and modern portfolio theory.

French (FRE/FRN)

French as a Foreign Language (FRE)

FRE 1301 Beginning French I (3 SCH)

Prerequisite: Registration by placement test only

3 lecture hours

Not open for Moroccan students. The course is meant as a communicative introduction to everyday situations for beginners to the language. Special emphasis on understanding and communicating, with attention paid to the production of sounds. Some basic grammar and written work are included.

FRE 1302 Beginning French II (3 SCH)

Prerequisite: FRN 1301 or Instructor's consent

3 lecture hours

Not open for Moroccan students. Emphasizes speaking and understanding. Grammar is incorporated to allow for more rapid progress. Students work on expanding their vocabulary and reading simple French texts.

FRE 2301 Intermediate French (3 SCH)

Prerequisite: FRN 1302 or placement test results

3 lecture hours

Not open for Moroccan students. This course consolidates and extends vocabulary, as well as speaking and comprehension abilities. A variety of reading materials are used, which include more complex narratives and short poetry. The course offers an insight into the culture and history of the Francophone world within the framework of language work.

French as a Second Language (FRN)

FRN 1305 Consolidating French (3 SCH)

Prerequisite: Registration by placement test only

4.5 lecture hours

This lower intermediate level course is both intensive and extensive. It meets three days a week (4.5 hours total) for the entire semester and provides an active and systematic review of basic grammatical structures and problems. All four language skills, listening, speaking, reading, and writing, are equally stressed in this course.

FRN 1308 French for Academic Purposes I (3 SCH)

Prerequisite: FRN 1305 or placement test results

3 lecture hours

This upper-intermediate level course is designed to develop students' facility in academic French. It offers an in-depth review of the French language structures, such as grammar, verb conjugation, and then moves into production with writing methods, practice with summaries, essays, oral explanations of texts, etc.

FRN 2310 French for Academic Purposes II (3 SCH)

Prerequisite: FRN 1308 or placement test results

3 lecture hours

This course is meant as a continuation of FRN 1308 and is open for students who have already acquired basic oral fluency and written accuracy in French. It offers students the opportunity to further polish and refine all four language skills, especially oral presentation and writing which are heavily stressed in the course.

FRN 3310 Advanced French Writing and Speaking Skills (3 SCH)

Prerequisite: FRN 2310 or placement test results

3 lecture hours

This course is for students completely at ease using all four language skills in French. The course develops and improves students' ability to express themselves in correct standard French, both written and spoken, using authentic materials drawn from the world of business, the press, and other media. A particular emphasis is put on the necessary tools that enable students to give power, coherence, and polish to the

numerous presentations they will be asked to give in their professional life. This course can be taken as an elective.

General Business (GBU)

GBU 2301 Business Statistics (3 SCH)

Prerequisite: MTH 1305

3 lecture hours

This course is an introduction to the analysis of quantitative data with business applications. Topics covered include descriptive statistics, an introduction to probability theory, sampling distribution, confidence interval estimation, and hypothesis testing.

GBU 3203 Enterprises, Markets, and the Moroccan Economy (2 SCH)

Prerequisite: Junior classification. This course cannot be taken in exchange or study abroad.

2 lecture hours

This course covers current business, accounting, and financial issues faced by enterprises and markets in Morocco. It also addresses the major trends that characterize the Moroccan economy. This course is given partially or totally in the French Language depending on the guest speakers invited every semester.

GBU 3302 Business Law and Ethics (3 SCH)

Prerequisite: Junior classification. This course cannot be taken in exchange or study abroad.

3 lecture hours

This course focuses on the organization and operation of both American and Moroccan legal systems, legal rules, and ethical constraints that impact business, and the practical application of these rules and constraints to real-world situations. Emphasis is placed on analytical problem solving and ethical decision-making.

GBU 3311 Quantitative Methods in Business (3 SCH)

Prerequisite: GBU 2301, or MTH 3301

3 lecture hours

This course is designed to provide foundations of statistical methods for managerial decision-making. The course offers an extensive coverage of inferential statistics: one- or two-population hypothesis testing, ANOVA, chi-square tests, regression analysis, and time series forecasting.

GBU 3399 Special Topics in Business (3 SCH)

Prerequisite: Junior classification

3 lecture hours

This course consists of specially scheduled readings on significant issues or topics relevant to the study of business administration.

GBU 4100 Professional Career Development (1 SCH)

Prerequisite: Senior classification

1 lecture hour

This course is designed to equip senior students with the skills needed to launch a successful career and to identify the career path that best fits their strengths, interests, and values. The course covers several topics related to career development, including analysis of the job market, in-depth analysis of individual strengths, interviewing skills, CV preparation, motivation and thank-you letter preparation, and the job search process.

GBU 4308 Foundations of E-Commerce (3 SCH)

Prerequisites: MGT 3301, MIS 3301, Junior classification

3 lecture hours

This course introduces concepts and methods of surrounding electronic commerce practices. The student gains a command of the current e-commerce business models, opportunities, and related barriers. The focus is on innovative thinking with respect to turning e-commerce technologies into value for companies.

Geography (GEO)

GEO 1301 Introduction to Geography (3 SCH)

Corequisite: FAS 1220

This introductory social science course provides a survey of the principles of human geography. Students are initiated in the basic concepts required for the spatial analysis of social phenomena, including notions of scale and cartographic representation. Global systems and patterns are approached with a view to understanding current social issues such as development, migration, and the environment. The relevance of spatial models to the analysis of contemporary issues is discussed. The course involves in-class and take-home exercises, as well as field trips.

GEO 2301 Economic Geography (3 SCH)

Prerequisite: GEO 1301

This course studies the spatial organization of economic activity. The global distribution of production and international trade are analyzed with special regard given to the evolution of relations of interdependence through exchange, cycles, and networks. Major economic development models, including developmentalism, world-systems perspective, Marxist, and liberal theories are discussed. Students are required to conduct bibliographic research and to write a number of essays and papers.

GEO 2302 Political Geography (3 SCH)

Prerequisite: GEO 1301

This course studies the spatial deployment of power through the analysis of political entities, identities, and interests at different scales. Emphasis is placed on the State, with definitions of national sovereignty, territory, and borders. Domestic governance and civil administration are also discussed. International institutions and agencies are analyzed in relation to contemporary economic activities, trade, resource management, and environmental monitoring, and in relation to conflict and conflict resolution. Students are required to conduct bibliographic research and to write a number of essays and papers.

GEO 2303 Geomorphology (3 SCH)

Prerequisite: GEO 1301

This course investigates the origin and evolution of landforms, and the physical processes responsible for their creation and modification. Students are first introduced to global-scale geology: continents and ocean basins, tectonic construction of landscapes, thermally-driven processes, climates, and erosion and deposition. Students then study geomorphological processes of relevance to Morocco's geography, including coast lines, mountain slopes, river profiles and regimes, arid and semi-arid landscapes, and such human activities as agriculture, mining, forestry, and infrastructure-building.

GEO 2304 Climatology (3 SCH)

Prerequisite: GEO 1301

The course provides an understanding of the physical processes responsible for

determining global and regional climate. Students study radiative energy transfer, atmospheric and surface energy balances, general atmospheric and oceanic circulation, the role of the oceans and the cryosphere, and the hydrologic cycle, as well as analyzing the feedbacks between the atmosphere, lithosphere, hydrosphere, cryosphere, and biosphere. Students become familiar with global climate models and classification of climate types before gaining a scientific understanding of the factors contributing to climate change.

GEO 2305 Sustainable Earth Systems (3 SCH)

Prerequisite: GEO 1301

This course introduces students to the physical, chemical, and biological processes responsible for keeping planet Earth hospitable for diverse, complex lifeforms over geological time. The course surveys the major climatological, oceanographic, hydrological, and pedological cycles. Earth is understood as a closed, interconnected system whose various components are constantly adjusting to changes. The role and responsibility of major actors - governments and agencies of various levels, international organizations, NGO's, corporations, producers, and consumers - are discussed. In particular, the course assesses the changes to land cover, bodies of water, and the atmosphere, caused by human activities such as agriculture, fishing, forestry, exploitation of mineral and energy resources, manufacturing, and transportation.

GEO 2306 Geographic Information Systems (formerly GEO 2402) 3 SCH

Prerequisite: GEO 1301

The course introduces Geographic Information Systems and associated techniques in digital image processing, and it stresses fundamental logic and scope of problem-solving using raster and vector systems. The course is designed for practitioners in development, planning, conservation, and environmental management.

GEO 3301 Hydrology and Water Resources (3 SCH)

Prerequisites: GEO 2303 and GEO 2304

This course surveys and analyzes components of the water cycle, including evaporation, precipitation, infiltration, and groundwater. Students are introduced to Unit Hydrograph Theory. Students learn how to collect and analyze hydrological data, and how to use hydrologic estimations to design water control projects, flood control, and reservoir routing systems. Integrated watershed management and water conservation systems are assessed.

GEO 3303 Advanced GIS and Remote Sensing (3 SCH)

Prerequisite: GEO 2306

This course focuses on computer-based techniques to extract information from remotely sensed data to analyze environmental and cultural situations. The course covers a general overview of the remote sensing process, digital image processing like radiometric correction, geometric rectification, image enhancement, and thematic information extraction by pattern recognition. The course touches on some principles of artificial intelligence, digital change detection, and thematic accuracy assessment.

GEO 3304 Geo-marketing (3 SCH)

Prerequisite: GEO 2306

This course introduces students to the tools and methods of marketing geography. Students learn how to analyze georeferenced data and how to use Territorial analysis to enhance decision-making and to design marketing strategies and campaigns. Students work on cases using real data.

GEO 3305 Geomatics (3 SCH)

Prerequisite: GEO 2306

In this course, students will learn to use computer software to solve practical problems in Geomatics Technology. Topics include working with point data, creating surface models, drawing site plans from field data, designing earthwork and roadway projects, estimating volumes, and designing subdivision layouts.

GEO 4301 Environmental Management (3 SCH)

Prerequisite: GEO 1301

The course analyses the major causes of environmental deterioration and the strategies to repair and prevent damage to the environment. The impact of economic activities such as agriculture, fishing, forestry, exploitation of mineral and energy resources, manufacturing and transportation on the Earth's air, water, soils, flora, and fauna is analyzed. The role and responsibility of major actors - governments and agencies at various levels, international organizations, NGOs, corporations, producers and consumers - is discussed with regard to the theory and practice of sustainable development.

GEO 4303 Geospatial monitoring and modeling (3 SCH)

Prerequisite: GEO 2306

This course presents an introduction to the spatial analysis and query capabilities of GIS, through the use of a range of example application areas. Students extend their proficiency in the selection and application of GIS techniques for spatial modelling, monitoring, and problem solving. In addition, students develop theoretical and practical skills in spatial statistics and modelling within a GIS environment.

GEO 4304 Cartography and Data Visualization (3 SCH)

Prerequisite: GEO 2306

This course encapsulates competencies related to the design and use of maps and mapping technology in general. This course covers core topics of reference and thematic maps design, as well as the emerging topics of interaction design, web map design, and mobile map design. This course also covers historical and contemporary influences on cartography and evolving data and critical considerations for map design and use.

History (HIS)

HIS 1301 History of the Arab World (3 SCH)

Corequisite: FAS 1220

This course covers the history of the Arab world from the rise of Islam to the present by taking into consideration the perspectives of history and related fields of inquiry. It takes a social and cultural approach to understanding the different histories of Arab society. The course attempts to balance political history and its focus on regimes and main events with long-term social and cultural transformations that are relevant to the ordinary peoples of the Arab world.

HIS 1302 History of the Arab World (3 SCH)

(Equivalent to HIS 1301)

This course, taught in Arabic, covers the history of the Arab world from the rise of Islam to the present by taking into consideration the perspectives of history and related fields of inquiry. It takes a social and cultural approach to understanding the different histories of Arab society. The course balances political history and its focus on regimes and main events with long-term social and cultural transformations that are relevant to the

ordinary peoples of the Arab world.

HIS 2301 Contemporary World History (3 SCH)

Prerequisites: FAS 1220, ENG 1301

This course provides a broad overview of the major developments affecting different parts of the world in the modern era. Although much of the course deals with the political, social, and cultural history of Europe as a historical catalyst in the ways in which modernity has been shaped, special attention is paid to the interactions between Europe and other geographical areas such as Africa, Asia, and Latin America. The course takes an interdisciplinary perspective as a way of understanding these world regions.

HIS 2302 Modern North Africa and the Middle East in the 20th Century (3 SCH)

Prerequisites: HIS 1301, HIS 1302 or HIS 2301, FAS 1220

This course covers the modern history of the Middle East and North Africa. It takes a social and cultural approach to the understanding of the differing histories of both regions. The course balances political history and its focus on regimes and main events with long-term social and cultural transformations that are relevant to ordinary people.

HIS 2310 Survey of United States History (3 SCH)

Prerequisite: Sophomore classification

The course aims to provide students with an understanding of United States history. From selected topics of political, social, economic, and/or cultural history, the students review the broad lines of the formation of the United States, including its internal contradictions. The dominant narratives of political history shall be questioned considering the underlying internal conflicts of society and ethnicity. America's changing role in the world shall be examined in relation to its domestic politics.

HIS 2371 History and Cultures of Sub-Saharan Africa (3 SCH)

Prerequisite: Sophomore classification

This course aims to provide students with an understanding of contemporary Africa by surveying key issues in the history of the continent and by introducing them to the dynamism and diversity of its cultures. Issues explored in the course include pre-colonial political systems, slavery and its legacies, European colonization, 20th century liberation movements, and post-colonial state and nation building. The course also explores the debates related to African cultural unity and Africa's relations with the diaspora.

HIS 3301 International History: 1914 to the Present (3 SCH)

Prerequisite: HIS 1301, or HIS 1302, or HIS 2301

This course aims to survey world history from a specifically international perspective from the origins of World War I to the present by looking at war, diplomacy, and cooperation between states. The origins, courses, and outcomes of the two World Wars are studied, as are other conflicts that have helped shape the international scene. The rise of the superpowers and the Cold War is examined together with the various efforts at international co-operation, such as the League of Nations, the United Nations, European integration, and NATO.

HIS 3310 Contemporary Moroccan History (3 SCH)

Prerequisites: HIS 1301, FAS 1220

This course seeks to trace the history of Morocco during the 19th and 20th centuries and to look at the challenges that face the country in the 21st century. Following an overview of the pre-colonial era, the course concentrates on the colonial and postcolonial periods. Taking into consideration the political and economic history of

Moroccan society from the advent of colonialism to the present, this course also deals with the social and cultural history of ordinary people and the way they have been affected by various historical forces. The students are introduced to a variety of themes, such as the colonial encounter, rural and urban resistance, nationalism, working class history, women's history, democracy, and the challenges of globalization.

HIS 3311 Northern Africa (3 SCH)

This course introduces students to the history of the area that is today Algeria, beginning in the Ottoman-era and continuing up to the present. It explores the relationship between this area of northern Africa and the Ottoman Empire up through the 19th century, the period of French colonization in the region from 1830 to 1962, and the era of an independent Algeria from 1962 to the present. Students will have the opportunity to read, watch, and discuss historical materials relating to a variety of themes including early-modern religious and political communities, colonialism and colonial knowledge production, the process of decolonization and the decolonization of history, nationalism, and attempts to create and maintain collective identity in a diverse religious and linguistic landscape.

HIS 3320 History of United States Foreign Policy (3 SCH)

Prerequisite: Junior classification

This course discusses the development of United States foreign policy from the isolationist era to the present day using a historical approach. Alternative interpretations of the history of the United States foreign policy, especially the traditionalist and revisionist schools, are offered.

HIS 4301 Modern Imperialism and its Culture (3 SCH)

Prerequisite: Senior classification

This course is a comparative examination of European Imperialism in the nineteenth and twentieth centuries. Students study the historical contexts that led to the emergence of imperialist relations. The course also seeks to explain the political, economic, social, and cultural dimensions of European imperialism. The focus is primarily on British and French colonial experiences overseas.

The course takes a world historical approach to the study of imperialism. Through an examination of specific histories, it explores the various reactions of the colonized peoples to the colonial encounter and the behaviors of the metropolitan colonial elite within the same context. Issues of gender, colonial science, orientalism, and culture are dealt with as part of the complex fabric of the modern colonial experience. The course concludes with a discussion of decolonization and nationalism and the effects of the colonial experience on emerging nation states.

Human Resource Development (HRD)

HRD 2300 Introduction to Human Resource Development (3 SCH)

Prerequisite: FAS 1220

This course explores the concepts, theories, and strategies of Human Resource Development. It includes examining the roles of individuals responsible for the HRD program in an organization, including qualities, qualifications, and scope. Students examine critically the components of HRD and identify the main challenges facing organizations today at national and international levels.

HRD 2301 Business Environment and Ethics for HRD (3 SCH)

Prerequisite: FAS 1220

An introduction to business issues for HRD specialists. An overview of the global business environment and ethics are foundational. In addition, students are introduced

to broader business domains of entrepreneurship, management, marketing, information technology systems, and financial management.

HRD 3302 Ethics in Professional Contexts (3 SCH)

Prerequisite: Junior classification

What obligations do professionals have towards their corporations, clients, employees, and themselves? What should they do when obligations conflict? To what extent can religious values and traditions help us answer questions about work and the workplace? In examining these questions, we integrate a philosophical approach with case studies from business and the professions, learning to apply ethical theories to situations in the contemporary workplace. Attention will also be given to cross-cultural issues in business and ethics.

HRD 3303 Training and Development (3 SCH)

Prerequisite: HRD 2300

This course provides students with an understanding of how human resource development professionals prepare individuals and develop their potential and capability within the workplace. The students learn how appropriate preparation and development programs and interventions can increase the productivity of individuals, groups, and organizations. During the course, they are introduced to organizational preparation and development through assessment of preparation needs in the workplace; the clarification of learning objectives; the process of designing and implementing preparation and development programs; the methods of evaluating the effectiveness of these programs; and the use of media and technology in preparation and development.

HRD 3304 Strategic HRD (3 SCH)

Prerequisites: HRD 2300, HRD 3401

The course explains how HRD programs contribute to the strategic goals of the organization and how the HRD strategy should be aligned with the corporate strategy. Crucial issues such as staffing strategies, technology implementation, organizational alignment, quality management, and cost containment are addressed in light of strategic organizational success. The aim is to provide students with a comprehensive view about the need for Strategic HRD and help them acquire the necessary skills and the theoretical background for adopting a strategic approach to HRD in different organizational settings.

HRD 3305 Principles of Human Resource Development (3 SCH)

Prerequisite: HRD 2300

This course focuses on the main realms of the Human Resource Development field and introduces students to training and development and organizational development theories and principles. The course emphasizes the importance of HRD as an agent of societal and national development. The main aim is to understand HRD as a process or activity that, either initially or over the long term, has the potential to develop adults' work-based knowledge, expertise, productivity, and satisfaction, whether for personal or group/team gain, or for the benefit of an organization, community, nation, or, ultimately, the whole of humanity.

HRD 3399 Special Topics in HRD (3 SCH)

Prerequisite: Junior classification

This course may vary in content according to faculty expertise and the relevancy of current issues in HRD.

HRD 3401 Human Capital Management (4 SCH)

Prerequisite: HRD 2300 or special permission SBA students may take HRD 2300 as co-requisite

4 lecture hours, 1 lab hour

This course is a comprehensive view of human resource policy development with an emphasis on the interdependence of personnel and operating functions. Students analyze personnel functions of recruitment, compensation, integration into the workforce, and maintenance of human resources for the purpose of contributing to organizational, societal, and individual goals. An in-depth study of these functions is made as to their effects upon the development of human resources. This course includes a two-hour laboratory that focuses on employment laws and relations and how they affect the way human resources are managed.

HRD 4301 National Human Resource Development (3 SCH)

Prerequisite: HRD 2300

This course introduces the field of National Human Resource Development, explains its origins and fundamentals, its core beliefs and assumptions, its components and practices, and addresses the challenges facing NHRD approach. In particular, this course emphasizes NHRD common target activities, including education, workforce training, capability building, health, safety, culture, language, religion, economics, politics, laws, rights, corruption, science and technology, poverty alleviation, and government effectiveness, among others. The course also outlines the complexity of implementing NHRD actions that is compounded by the cultural differences from region to region and nation to nation.

HRD 4302 Needs Assessment and Organizational Effectiveness (3 SCH)

Prerequisites: HRD 2300, HRD 3401, HRD 3303, Corequisite: HRD 3303

The course emphasizes the Needs Assessment process at organizational, job, and individual levels. It specifically examines the main approaches used and specifies their benefits and drawbacks. It also analyzes the various methods used by HRD professionals to gather and analyze data in preparation for organizational interventions and in evaluating their results.

HRD 4303 Leadership and Management Development (3 SCH)

Prerequisite: PSY 3302 or MGT 3305

A practicum course that applies leadership and management theory to personal leadership skill development and to the setting up of management development programs for organizations. It includes leadership skills, teamwork and team building, conflict resolution, negotiation, interpersonal communication, and cross-cultural communication skills.

HRD 4304 Consulting for HRD (3 SCH)

Prerequisites: HRD 2300, HRD 3401, Corequisite: HRD 3304

Consulting for HRD explains in detail the consulting process, the roles of both internal and external consultants, and emphasizes the skills they should hold to be effective. It also covers the concepts and challenges of the consulting profession with the aim of preparing students to guide organizations in improving human performance and organizational outcomes.

HRD 4305 Organization Development and Change for NHRD (3 SCH)

Prerequisite: HRD 3305

The course focuses on the metaphor of “Nation as a host organization” for HRD

activities and processes and introduces students to the system-thinking approach and its implications for an organization having a mission with mission-driven goals and outputs. The course aims to understand different change management practices and their applications at the national level. It also builds on the main investments in HRD at the national level, ranging from maintaining high-level national workforce competitiveness, to fundamental elevation of a nation from poverty and disarray. Through adopting a change-management perspective while dealing with such investments, students will acquire skills and competences on how to lead and manage HRD-driven change actions for national development and growth.

HRD 4306 Organization Development and Change (3 SCH)

Prerequisites: HRD 3401, PSY 3302, Corequisite: HRD 3304

Organization Development (OD) is a formal sub-discipline of Human Resource Development. Organization Development involves planned interventions that are managed from the 'top' and are intended to improve the resources and effectiveness of the entire organization. This course reviews the current theories of Organization Development and Organization Change. Students examine various methods of organizational research and analysis in order to plan methods for Organization Development interventions. The course offers opportunities to investigate OD systems and strategies.

HRD 4307 Career Management and Development (3 SCH)

Prerequisites: HRD 2300, HRD 3401

This course describes the current career-related issues of relevance to HRD professionals and sheds more light on what individuals and organizations can do to address some of the changing career forces and develop effective talent management systems. This course gives students an understanding of career management theory, principles, and practices, as well as its vital function to a successful career. The key idea of having a career is having life-long work that leads to continual personal growth and development, with full integration and contribution to family and society. Thus, emphasis is placed on the principles of lifelong learning and experiential learning.

HRD 4308 Global HRD (3 SCH)

Prerequisites: HRD 2300, HRD 3304

This course focuses on how globalization is changing the cultural fabric of organizations and how diversity issues are impacting HRD practices. Major attention is given to the emerging globalization trends and the challenges they create for HRD professionals. Implications and actions are discussed in light of various HRD processes, including organizational development, training and development, and career planning and development.

HRD 4309 Global NHRD (3 SCH)

Prerequisite: HRD 2300, or special permission

This course builds on various NHRD approaches and visions as implemented in different countries and addresses the results achieved through such investments. Different indices and measures will be used to conduct comparative analyses while recognizing cultural differences and country-specific characteristics when interpreting findings. Students will gain meaningful insights as regards the state of advancement of global NHRD initiatives and think of the main challenges different countries are facing and the way they can address them to achieve progress.

HRD 4310 Government Policy in NHRD (3 SCH)

Prerequisite: HRD 2300, or special permission

This course introduces students to NHRD Government policy in Morocco, building on the components of NHRD, including education, health, safety, economic development,

politics, civil liberties and rights, corruption, rural development, poverty alleviation, income inequalities, science and technology, infrastructure and logistics, and international cooperation, among others. Students will follow the stages of the HRD process, including needs assessment, design, implementation, and evaluation to assess NHRD government policies and develop, in teams, NHRD projects, actions, and initiatives.

Humanities (HUM)

HUM 1310 History and Culture of the Amazigh (3 SCH)

Prerequisite: FAS 1220

The purpose of this course is to provide students with insight into the specifics of Amazigh (Berber) culture and institutions, starting with a background survey covering the origins, distribution, and common history of the Amazigh peoples of North Africa from ancient history, up to medieval times. The focus then shifts to Morocco, covering events from the Almohad period to the present time, with emphasis on Amazigh resistance during the colonial period, together with an analysis of current problems confronting the Amazigh community in this country, with special reference to the Middle Atlas region. Time is also devoted to the study of the various Amazigh- speaking areas of Morocco, Amazigh toponyms, and English translations of oral texts (folktales, proverbs, epic and lyrical verse, riddles, etc...).

HUM 2301 Islamic Art and Architecture (3 SCH)

(Taught in English, equivalent to HUM 2304)

Prerequisites: Sophomore classification, FAS 1220

This course is an introduction to Islamic art and architecture with an emphasis on the Maghreb and Al-Andalus. The first section of the course deals with the period of formation of Islamic art from the advent of Islam to the end of the Umayyad period. The second section consists of a survey of the art and architecture of the major dynasties of the Islamic West from A.D. 750 to A.D. 1800. The last section of the course links Islamic art, architecture, and urbanism to their social and economic contexts. The course requires students to consider the intellectual and humanist dimensions of artistic production.

HUM 2302 Islamic Societies (3 SCH)

Prerequisites: Sophomore classification, FAS 1220

Using an interdisciplinary approach, this course introduces students to the historical and contemporary study of Islamic societies. Students explore a variety of topics including history, theology, mysticism, architecture, archeology, political theory, literature, and the fine arts, to gain an appreciation for the vast array of peoples, places, ideas, and things that all gather under the umbrella of “Islam.” Rather than a comprehensive course in the history of Islam, the course varies depending on the semester and instructor, who emphasizes different historical and/or contemporary themes.

HUM 2304 Islamic Art and Architecture (3 SCH)

(Taught in Arabic, equivalent to HUM 2301)

This course is an introduction to Islamic art and architecture with an emphasis on the Maghreb and Al-Andalus. The first section of the course deals with the period of formation of Islamic art from the advent of Islam to the end of the Umayyad period. The second section consists of a survey of the art and architecture of the major dynasties of the Islamic West from A.D. 750 to A.D. 1800. The last section of the course links Islamic art, architecture, and urbanism to their social and economic contexts. The course requires students to consider the intellectual and humanist dimensions of

artistic production.

HUM 2305 Science and Society (3 SCH)

Prerequisites: FAS 1220, Sophomore classification

This course serves to provide an understanding both of science as an intellectual endeavor and of the contemporary world, which is a world increasingly shaped by science. The course directly addresses a number of key questions: What is science? What is the nature of scientific knowledge? What is the relationship between scientific knowledge and other kinds of knowledge or belief, between science and technology, between science and power? Are scientists morally responsible for the applications and effects of their scientific research?

HUM 2306 Comparative Religion (3 SCH)

Prerequisites: FAS 1220, Sophomore classification

This course is an introduction to the study of the world's major religions: Islam, Christianity, Judaism, Buddhism, and Hinduism. Other, lesser-known religions and religious movements are also discussed. The course covers the ideas and concepts that have shaped religions, as well as the questions that they have sought to address, with an emphasis on those themes shared by all of them. Students gain a better understanding, through a survey of religion, of how human beings over the ages, have perceived their place in the world.

HUM 2307 History of Islamic Technology (3 SCH)

Prerequisite: FAS 1220

This introductory humanities course is a survey of technological advances in the Middle East and North Africa in the pre-modern era. While some of these advances came about as a response to the requirements of religion (e.g., determination of the qibla direction and of prayer times), many others were practical solutions to harness the forces of nature and lead a better-quality life. Two major themes of the course are 1) to show the intellectual and technological exchanges through translations, trade, and travel between Muslims and their neighbors, and 2) to link the technologies under study to current issues by showing how past experiences and technological solutions (e.g., water use, architectural techniques, etc.) can be applied for sustainable cultural and economic development, in the MENA region and in Morocco in particular. The course consists of a series of lectures, field trips, and video projections. No prior knowledge of Islam and its civilization is required to take the course. The course can be taken as an elective in any undergraduate program.

HUM 2315 Environmental Ethics (3 SCH)

If traditionally ethics asks questions about how human beings ought to relate to each other, then what are our obligations to future generations, with regard to the environment? How should we think about and treat the natural world, animals, and other non-human parts of nature? How can ethics help in the environmental policy-making processes? This environmental ethics course urges answers to such questions. It aims to raise students' awareness about the fundamental role of ethical attitudes towards the natural environment. The course starts with an examination of original environmental ethics texts written by philosophers, progresses to analyses of case studies, and finally challenges students to solve real life environmental problems. Topics discussed include: alternatives to anthropocentric worldviews; animal rights and welfare; economic approaches to the environment; access to and control over natural resources; environmental justice; pollution and climate change; technology and the environment; and environmental activism. These will be addressed within both the global and Moroccan contexts.

HUM 2316 Religion and the Natural World (3 SCH)

The course explores different conceptualizations of nature, and of the human role within creation, in different religious traditions, as well as the contributions to environmental ethics developed by thinkers who assume a religious viewpoint. Virtually all religions contain an account/ conceptualization of the creation of the universe on behalf of (a) divine being(s), and some assign to human beings a role of preeminence, leadership, and safekeeping over it. Furthermore, the phenomena of the natural world are frequently mentioned in different sacred scriptures as signs of divine power and wisdom. In light of such essential scriptural elements and theological teachings, prominent thinkers, as well as ordinary believers, may feel especially compelled (and equipped) to confront the challenges brought about by technological developments in the form of environmental pollution and climate change, and debates over practices such as fracking, water management, and the preservation of biodiversity.

HUM 2371 Popular Culture in Africa (3 SCH)

Prerequisite: FAS 1220

This course is an introduction to the various aspects of popular culture in sub- Saharan Africa. Popular culture is often the only vehicle for common people to express social and political discontent or comment. Historically, this has been possible through popular forms of music, art, film, or literature. African popular culture is frequently global in scope with many artists known as much in Europe and the Americas as they are in their home countries. This course begins by looking at the use of popular culture in the colonial period and moves up to the present in order to look at what art is and how to appreciate African artistic production and the role of popular culture such as theater, music, film, sculpture, painting, etc. in contemporary Africa.

HUM 3311 Women and Culture (3 SCH)

Prerequisite: Junior classification

This course examines the complex relationships between women and culture. It introduces students to theories of culture, gender, and representation, analyzes the images of women and sexuality in various cultural discourses such as oral literature, television, popular music, advertising, magazines, as well as high culture arts, and considers women's participation in cultural and aesthetic production, from traditional crafts through music to modern art forms.

HUM 3320 American Culture (3 SCH)

Prerequisite: Junior classification

This course addresses a variety of questions surrounding culture in the United States, including film, music, and other media. It analyses the multicultural atmosphere of the United States. It also addresses topics related to the rural-urban shift, the movement towards the cities in the North, and the inclusion/exclusion dynamics related to minority cultural artifacts.

HUM 3399 Special Topics in the Humanities (3 SCH)

Prerequisite: FAS 1220

This course provides the opportunity to explore new topics in the arts, history, philosophy, religion, or literature. It varies in content according to faculty expertise and the relevancy of current issues in the humanities.

HUM 3412 Moroccan Cultural Heritage (4 SCH)

Prerequisites: HUM 2301 or HUM 2302, SSC 3405

The purpose of this course is to provide students with an in-depth knowledge of Moroccan cultural heritage from both tangible and intangible perspectives. Through the positive intermingling of Amazigh (Berber), Arab, Islamic, Jewish, Roman, Andalusian, French, Saharan, and Sub-Saharan cultures, Morocco has been a place

for innovation in the arts of living and building. The course places an emphasis on Moroccan heritage as it continues to thrive in cities, towns, and villages throughout the country. It aims to provide an understanding of how the traditions of Moroccan life can serve as a catalyst for developments in contemporary Morocco. This four (4) SCH course involves a number of local and cross-country field trips.

International Studies (INS)

INS 2301 Theories of International Relations (3 SCH)

Prerequisite: PSC 2301

The course is a survey of the main theories and models of international relations. After considering some concepts such as order, power, sovereignty, and international justice, the course examines central themes in international relations, such as the balance of power, international law and organizations, diplomacy, and globalization. The course focuses on four influential theories of international relations: Realism, Liberalism, Marxism, and Constructivism.

INS 2302 International Organizations (3 SCH)

Prerequisite: PSC 2301

This course examines how major processes interact in international relations. Students explore how economic and political forces, laws and norms, regimes, organizations, ad hoc arrangements, and other instruments are used to influence and guide international relations. The main actors are identified and their roles assessed. These include States, IGOs, NGOs, private entities, and individuals. The key issues at stake include peace and security, conflict prevention, management and post-conflict reconstruction, trade negotiations, development aid, international financial relations, environmental protection, human rights, human development, and social and humanitarian activities. The United Nations, which is at the center of global governance, will be examined at some length, and its role in dealing with these issues will be assessed.

INS 2315 Global Politics of Water (3 SCH)

This course looks at water resources as objects of political conflict and cooperation within the domestic and international spheres of politics. Beginning with the natural water cycle, the course explores the various demands on water by human activity as well as ecosystem maintenance.

INS 2320 Model United Nations (3 SCH)

Prerequisite: COM 1301

This class examines the structure, history, and functions of the United Nations, and of the major issues that it has faced and is currently facing. The course combines both knowledge of the organization and simulated debates about major political and social issues. It concludes with an in-class simulation. Students learn the rules of procedure, the principles of resolution writing, and the preparation of national position papers. They also study the foreign policy positions of at least one country in order to represent that country in class simulations.

INS 3303 International Law (3 SCH)

Prerequisite: INS 2301

International law plays an important role in international relations. This course identifies the basic elements and institutions such as the sources of law (including the Statute of the International Court of Justice and the Vienna Convention on the Law of Treaties); sovereignty, jurisdiction, the role of the International Court of Justice and other international tribunals, the relationship between international law and domestic (municipal) law, and selected substantive issues in International Law (such as human

rights, criminal law, and environmental law).

INS 3304 International Security (3 SCH)

Prerequisite: INS 2301

This course introduces students to the various approaches used in international security studies. The course explores the security/insecurity dichotomy in order to discuss the different dilemmas inherent to the field. The course combines theory and history to outline the debates within the field. The theoretical basis for International Security serves as the framework for the students' work. Students apply a framework of their choosing to analyze current problems in the domain of international security.

INS 3305 International Political Economy (3 SCH)

Prerequisites: ECO 2310, PSC 2301

This course familiarizes students with the relationship between economics and politics at the international level. The questions surrounding globalization, international trade, the flows of capital, labor, and goods, as well as the governance of the international economic system, are discussed. Issues related to development are also explored, along with trade and investment policies.

INS 3306 Foreign Policy Analysis (3 SCH)

Prerequisite: INS 2301

This course examines how foreign policies are devised, implemented, and assessed across a variety of countries. It analyzes the state institutions and decision-makers responsible for making foreign policy and the factors that motivate them. It explores how different types of interest are articulated and promoted within the decision-making process. Finally, the course examines the role of structural restraints on foreign policy.

INS 3307 Conflict Resolution in International Relations (3 SCH)

Prerequisite: Junior classification

This course presents the different methods of conflict resolution in international politics, with a special focus on peaceful methods of conflict resolution, such as mediation and arbitration. International interventions are analyzed in their diversity and complexity, and the different implications of concepts, such as humanitarian intervention and peacekeeping, are analyzed. These concepts are essentially discussed through specific case studies from a variety of inter- and intra-state conflicts in international politics.

INS 3308 Conflict and Its Alternatives in International Relations (3 SCH)

Prerequisite: Junior classification

The idea that war is the continuation of politics by other means has had a powerful echo in the Realist school on International Relations. This course surveys the questions of war, peace, and the different ways to go from one to the other. Analyses of specific conflicts as well as of specific processes of conflict resolution provide students with an understanding of the complexity of the topic in International Relations.

INS 3310 The United States and the Middle East (3 SCH)

Prerequisite: Junior classification

This course studies the role of the United States in the Middle East and the way it has defined its interests in that region. Topics examined include the United States' response to shocks generated by the Arab-Israeli conflict, the oil crisis, the Iranian revolution, and coups in North African and Middle Eastern states. United States foreign policy with regard to the Maghreb is also studied.

INS 3311 Economic History of the United States (3 SCH)

Prerequisite: Junior classification

Students in this course study the development of the United States economy from independence to the present day. Among other issues, the course addresses the development of the agricultural system, industrialization, the information age, and the transition to a service sector economy. The course also addresses the role of the government in macroeconomic policy and strategic sectors.

INS 3315 Religion in International Affairs (3 SCH)

Prerequisite: Junior classification

Religion has long been a factor in international relations. Since the important events of 1979 (the rise of Khomeini, the Soviet invasion of Afghanistan, and the seizure of the Grand Mosque in Mecca), religion has become an increasingly salient aspect of politics, both domestically and internationally. This course will examine the role that religion plays in international relations, as well as the role that policymakers (often wrongly) imagine that it plays. It will examine the influence, perceived and real, of the Organization of Islamic Cooperation, the United States, Iran, and other specific countries, as well as national and trans-national religious groups.

INS 3320 Regional Topics in International Relations (3 SCH)

Prerequisite: Junior classification

This course allows students to gain an in-depth understanding of the international relations of a specific state or world region. Each semester the course is given, it will focus exclusively on one particular state or world region, such as the USA, Europe, the Middle East, Sub-Saharan Africa, Latin America, or Asia Pacific.

INS 3330 Environmental Dimensions of Security (3 SCH)

This course examines how environmental problems have developed into international security issues. Students are introduced to debates in the relatively new field of environmental security and are provided with an opportunity to take a position on these debates through the use of case studies.

INS 3371 Africa in World Affairs (3 SCH)

Prerequisite: Junior classification

This course explores a selection of vicious and virtuous political events Africa has presented to the world over the last 50 years or so in terms of development, governance and conflict, and conflict resolution. The increasing competition among several big powers for influence and/or natural resources and markets, starting with former colonial powers - Great Britain, France, the United States, and more recently China - is also discussed.

INS 3372 Conflict in Contemporary Africa (3 SCH)

Prerequisite: Junior classification

This course introduces students to the history of internal conflicts in contemporary post-independence Africa. Using a case study approach, the course looks at the causes and solutions for conflict in Africa through a variety of perspectives, including traditional and alternative approaches.

INS 3373 US Relations with Sub-Saharan Africa (3 SCH)

Prerequisite: Junior classification

This course introduces students to United States' policy in Africa including security interests, economic relations, and ideological considerations. The course examines the extent of relations between Africa and the United States, as well as the difficulties facing both sides in terms of establishing a permanent, institutionalized relationship.

INS 3374 EU relations with Sub-Saharan Africa (3 SCH)

Prerequisite: Junior classification

The course introduces students to the policies of the various European states towards Africa using a case study approach. It focuses on the asymmetry of the relationship and the problems of establishing closer and friendlier relations in light of history.

INS 3396 Special Topics in International Relations (3 SCH)

Specially scheduled courses on significant issues or topics relevant to the study of international relations.

INS 3397 Special Topics in American Studies (3 SCH)

Prerequisite: Junior classification

Specially scheduled courses on significant issues or topics relevant to the study of American Studies.

INS 4321 Identity in International Relations (3 SCH)

Prerequisite: Junior classification

Identity is one of the latest concepts to emerge in the study of transnational social relations. This course examines how identity is constructed and how it relies on "othering." Students explore the differential effects of national, transnational, and sub-national identities on both domestic and international politics. The implications of identity politics on human rights are also explored.

Internship (INT)

INT 4001 Internship Field Work (For SBA Students)

Prerequisites: GBU 3203, ENG 2302, ACC 3201, completion of all French language requirements; *must be completed during the summer semester prior to the student's graduation semester in fall, spring, or summer.*

0 lecture hours

INT 4001 allows SBA students to gain practical experience in the workplace through the application of classroom theoretical materials acquired. The experience follows Principles courses, language proficiency, and Moroccan-specific courses in order to fully leverage the student's potential for contribution to a public or private sector agency, and the experience precedes student's final integrative Capstone experience on-campus in order to maximize the opportunities to build rigor from the applied learning experience of fieldwork. The student identifies an organization interested in hiring her/him as a full-time intern for a minimum of an 8-week period. The Internship program supervises the students' formulation of a research question, progress reports on a research project, and sense-making of the fieldwork experience. The course then requires enrollment in INT 4301 towards report building, presentation of ideas, and completion of requisite graduation and preparation materials.

INT 4301 Internship (For SBA students)

Prerequisites: INT 4001

3 lecture hours

INT 4301 follows directly on the supervised fieldwork completed during INT 4001 in order to build job-readiness capacities from the experience. Faculty supervisors continue with their work with students in INT 4301 to ensure that all students adequately report on their fieldwork research both orally and in writing. Other components of the course include preparation of English and French CVs, receipt and understanding of job-supervisor evaluations, and integration of the career readiness course.

INT 4302 Internship (for SHSS students)

Prerequisites: ENG 2301, *INT 4302,* completion of all French language requirements; Students should complete their French requirement before being eligible for Internship (unless documenting that they're doing an internship in a non-French speaking country). The internship *must be done in the summer semester prior to the student's graduation semester in fall or spring.*

3 lecture hours

On-the-job education and training in a public or private sector agency or business to be completed, preferably, in the summer. Students must consult with the internship chair to arrange for a three-party contract to be drawn up that details the amount and nature of the work to be done. The contract must be signed by the student, the internship chair, and the agency or business person supervising the work.

INT 4303 Co-op Training Program (3 SCH)

Prerequisites: INT 4301

This course enables SBA students to gain further practical experience in their field of study by alternating academic study with field work. By enrolling in INT 4303, students will need to spend at least 3 months in one of the SBA partner organizations (it is highly recommended that the student spend the co-op program interval in the same company in which he/she disbursed the required internship). The co-op terms can still differ based on the company in which the co-op is accomplished. Co-op students will have an SBA faculty supervisor in addition to the company supervisor and will have to present a report by the end of the field experience. Students enrolled in INT 4303 can count this course as an elective.

Latin (LAT)

LAT 1201 Classical Languages: Latin (2 SCH)

This course prepares students to be able to read Classical Latin texts with a focus on the Vulgate and the works of Christian Fathers. Students initially focus on acquiring the grammar and vocabulary required to read Classical Latin with the aid of a dictionary. Students develop their ability to translate written texts from Latin to English or, by extension, Arabic, French, or other languages known by the students. Readings in the class build from Classical Latin authors and move gradually towards the Vulgate and other Christian Fathers. Students also become acquainted with the historical development of Latin, its relationship to Ancient Greek, its influence on other languages, especially English, and its importance for the development of Western law and science. Upon successful completion of the course, students have acquired the background and resources necessary to incorporate and analyze Latin texts in their scholarly research.

Literature (LIT)

LIT 2301 Major Works of World Literature (3 SCH)

(Equivalent to ARB 2305/LIT 2305)

Prerequisites: Sophomore Classification, FAS 1220, and ENG 1301

This course is designed to give students a generous sampling of the major works of World Literature. Using a multi-disciplinary approach, the course focuses on reading, analyzing, and discussing works drawn from the various historical periods and genres. Works from various geo-cultural regions, aboriginal, and immigrant writers, as well as from male and female writers, are included.

LIT 2304 Introduction to Arabic Literature (3 SCH)

(Taught in Arabic, same as ARB 2304)

The aim of this course, taught in Arabic, is to promote the knowledge of different literary genres and to enable students to differentiate between them and to appreciate beauty in a literary work of art. Literary concepts are introduced and followed by reading, analysis, and discussion of works drawn from various genres.

LIT 2305 Introduction to World Literature in Arabic (3 SCH)

(Same as ARB 2305, equivalent to LIT 2301) Prerequisite: Sophomore classification

This course, taught in Arabic, is designed to give students a generous sampling of the major works of World Literature. Using a multi-disciplinary approach, the course focuses on reading, analyzing, and discussing works drawn from the various historical periods and genres. Works from various geo-cultural regions, aboriginal, and immigrant writers, and from male and female writers, are included.

LIT 3310 American Literature: Survey(s) (3 SCH)

Prerequisite: Junior classification

Magical Realism in the Americas

In this course, we will examine that phenomenon that literary critics call "Magical Realism." In Magical Realist fiction, the supernatural exists alongside the "real," creating what some critics have penned "the Marvelous Real." We will argue that Magical Realism came out of a need to balance European rationality with the myths, rituals, and folktales of the indigenous people of the New World and the cultures and religious beliefs of West African slaves, to Indigenous American peoples, and others who were disenfranchised by European conquest and colonization. We will look at novels and short stories from North and South America, as well as the visual arts that accompany them.

Writers we will examine: Gabriel García Márquez; Jorge Luis Borges; William Faulkner; Alejo Carpentier; Louise Erdrich; Leslie Marmon Silko; Isabel Allende, Julio Cortázar; Clarice Lispector, and others.

American Expatriate Authors in Morocco

This course will analyze the work and lives of many of the American authors drawn to Morocco, especially Tangier, since the 19th century. The course will examine writers from early visitors like Mark Twain and Edith Wharton, through the mid-twentieth century with William Burroughs and the Beats, Paul Bowles and Alfred Chester, and finally to the 1970s, when writers like Dan Halpern and David Saltman took up residence. Three issues, in particular, will guide our discussions and investigations: 1) Tangier and Morocco as context and setting for authors' work 2) the "psychogeography" of these places as a heuristic for analyzing that work 3) the ways in which these authors have 'written' Tangier and Morocco, that is to say, how their writings have created a particular image, character, and set of expectations about these places.

The class will include a field trip to Tangier to explore the places that gave rise to works such as *Naked Lunch* and *Let It Come Down*.

LIT 3370 Aesthetics (3 SCH)

Prerequisite: Junior classification

The course consists of two parts. The first part leads students through aesthetic theory, touching basic themes such as the notion of aesthetic, definition of art, taste, value of art, beauty, interpretation, and artistic imagination. The three most characteristic dimensions of art will be introduced: imitation and representation, expression, and form. The students explore these topics by getting familiar with the ideas of key thinkers within major periods of Western history: ancient Greece, Medieval, Enlightenment and

Modern time, and Postmodern time.
The second part will focus on four categories of art forms: literature, dramatic and performing arts, music, and visual and plastic arts. Students also will critically examine and discuss various contemporary debates in Western aesthetics focusing on the relation between art and society. The debates revolve around the following themes: art and ethics, the influence of art on politics (and vice versa), art and violence, art and fashion, and art and technology in everyday life.

LIT 3371 African Literature: Survey(s) (3 SCH)

Prerequisite: Junior classification
This is an introductory course in African Literature (including theory and critical comment), taught in English. The texts are mostly modern (excepting those from oral tradition) and represent the work of Africans writing in English, French, Arabic, Portuguese, and what are called the 'national languages.'
Texts will include poetry, short stories, excerpts of prose, one novel, and a novella. Our central goal will be the appreciation of literature. This will include critical approaches to a) how meaning works in a text b) what literature can do for us and c) the reasons why writers write. Students will improve their skills and intuitive abilities in all these areas of inquiry.
In terms of content, several areas come under continuous review: 1) What makes a work 'African'? 2) What arguments have been made for and against an 'Africanité', an African 'essence'? 3) What course - including its passage through the Négritude movement – has the prestige of African literature taken? 4) What is the contemporary worldview of many African authors?

LIT 3373 British Literature: Survey(s) (3 SCH)

Prerequisite: Junior classification
Literature of Humor and Satire
This course will look at a selection of humorous and satirical texts (and film) in order to discover how humor works, what purpose it serves, its historical uses, its place in literature, and some important authors within these genres. The focus will be on British authors, beginning in the 18th century and working on into the 20th.

LIT 3374 French Literature: Survey(s) (3 SCH)

Prerequisite: Junior classification
DADA and Surrealism in 20th Century France and the New World
Students will learn the history of the Surrealist movement in France, from its beginnings in DADA, to its influence in the New World. We will focus on the literary aspect of the movement such as Andre Breton's manifestos, surrealist memoir, poetry, and free-form narrative. We will also explore, and try our hand at, surrealist "experiments" such as: the exquisite corpse and automatic writing. We will explore, through analysis of the literature of the movement, how Surrealism has - and continues to - influence postmodern culture and art.
Poets we will cover: Guillaume Apollinaire; Antonin Artaud; Andre Breton; Leonora Carrington; Aime Cesaire; Robert Desnos; Paul Eluard; Joyce Mansour; Tristan Tzara; Leopold Seder Senghor; and many others.

LIT 3375 Moroccan Literature: Survey(s) (3 SCH)

Prerequisite: Junior classification
Moroccan Folk Literature
This course will present and analyze a series of translated Moroccan folk tales, representative primarily of the storytelling traditions of the D'jama El F'na in Marrakech. We will discuss historical context, recurring motifs, mythological purpose/motives, and the structure of these enduring narratives.
Contemporary Moroccan Literature in English

For this class, we will examine the work of three prominent modern Moroccan authors who have either written in English or have seen significant prominence through English translations of their work: Laila Lalami, whose English-language novel *The Moor's Account* was nominated for a Pulitzer Prize; Leila Abouzeid, the first female Moroccan fiction writer to have her works translated into English; and Fatema Mernissi, the prominent Moroccan sociologist and feminist.

Management (MGT)

MGT 3301 Principles of Management (3 SCH)

Prerequisites: ACC 2302, ECO 2302; or ACC 2301, EGR 2302 (SSE); or ACC 2301, ECO 2302 (SHSS)

3 lecture hours

This course offers an overview of the art and science of Management. The broad categories covered are the evolution of management theory, decision-making procedures, foundations of leading and managing, and strategic management. The course provides an overview of the management of organizations and gives students insight into modern management practices.

MGT 3302 Entrepreneurship (3 SCH)

Prerequisites: MGT 3301, MKT 3301, FIN 3301

3 lecture hours

This course introduces students to the role of the entrepreneur in the economic system and covers how to start, finance, and operate a successful business. It also focuses on developing a business plan, sources of capital, recruiting, forecasting, and financial planning.

MGT 3305 Organizational Behavior (3 SCH)

Prerequisite: MGT 3301

3 lecture hours

This course is designed to offer students pragmatic business skills to management of organizations with emphasis on human behavior needed to provide a more effective organizational environment. Particular emphasis will be placed on personality, motivation, communication, leadership, teams, decision, conflict, and organizational culture.

MGT 3306: Conflict Management (3 SCH)

Prerequisites: MGT 3301, COM 1301, preferably either SOC 1301 or PSY 1301

This course provides a framework for students to establish effective conflict management systems in any organization. It gives students the interpersonal skills to both participate in and help others resolve conflict effectively. Students will learn how to listen, reframe, negotiate, facilitate, and handle conflicts.

MGT 3399 Special Topics in Management (3 SCH)

Prerequisites: MGT 3301, Junior classification

3 lecture hours

This course consists of specially scheduled readings on significant issues or topics relevant to the study of management.

MGT 4301 Business Policy and Corporate Strategy (3 SCH)

Prerequisites: INT 4301, MGT 4301 must be taken during the last regular semester and cannot be taken in exchange or study abroad.

3 lecture hours

Strategic Management is an integrative course for graduating business administration students. This course focuses on how to formulate, implement, and evaluate strategies. Strategic-management concepts and techniques are studied. Students use all the knowledge acquired from prior business courses, coupled with new strategic-management techniques, to develop feasible strategies for different organizations.

MGT 4303 Operations Management (3 SCH)

Prerequisites: MGT 3301, either GBU 3311 (SBA) or MTH 3301 (SSE)

3 lecture hours

This course introduces the field of operations management and a state-of-the-art view of the primary activities of the operations function in manufacturing and service organizations. It provides basic principles of designing, analyzing, and controlling production systems and the allocation and use of resources to produce goods and services.

MGT 4306 International Management (3 SCH)

Prerequisites: MGT 3301, Junior classification

3 lecture hours

The central objective of a course in International Management is to study the opportunities and problems facing business organizations in the world setting. Several phenomena, concepts, and frameworks such as globalization, global strategy, and international entry modes are examined in an effort to understand the dynamics of organizations operating internationally.

MGT 4307 Management of Small Enterprises (3 SCH)

Prerequisites: FIN 3301, MGT 3302, Junior classification

3 lecture hours

This management-consulting course involves the application of principles of management to non-profit and profit-oriented enterprises. Students apply knowledge to identify problems, determine alternatives, and present value-added solutions in business organizations.

MGT 4308 Management of Change (3 SCH)

Prerequisites: MGT 3301, Junior classification

3 lecture hours

This course is designed to give the student a feel for an organization system in a competitive environment. It aims to provide the student with an experiential sense of changes that need to be planned within an organization and why. During the course, students realize that leading such changes is challenging, as the change agent meets with resistance. Designing change interventions for the improvement of organizational performance provides the opportunity for students to wear the hat of a management consultant in this course.

MGT 4310 Tourism and Hospitality Management (3 SCH)

Prerequisites: MGT 3301, Junior classification

3 lecture hours

This course provides coverage of essential practical skills and an understanding of the processes of the tourism and hospitality industry. Topics include tourism growth over history; tourism organizations and infrastructure; hospitality and related services; tourism and hospitality distribution process; travel behavior and motivations; and economic, social, and environmental impacts. The course also reflects the changes in international and domestic tourism and hospitality environments caused by technology, the global transportation industry, and the escalation of tourism demands globally.

MGT 4311 Quality Management (3 SCH)

Prerequisites: GBU 2301, Junior classification

3 lecture hours

This course introduces the quality management principles and the role of total quality in all key economic sectors. It gives an overview of the philosophical perspectives supporting total quality. Finally, it provides basic technical tools and techniques relevant to quality assurance, control, and improvement, including the Deming Cycle, Six Sigma programs, and the seven Quality Control tools.

MGT 4312 Project Management (3 SCH)

Prerequisites: GBU 2301, Junior classification

3 lecture hours

This course is an introduction to project management intended to equip the students with the technical and managerial skills to be successful project managers. The topics covered include project scope, project control including scheduling, managing resources, budgets and risk, managing human resources, and taking care of communication and documentation.

MGT 4314 Cross-Cultural Management (3 SCH)

Prerequisite: MGT 3301

3 lecture hours

This course aims at expanding students' global mindset and providing them with frameworks, knowledge, and practical tools that would enable them to understand the effects of national culture on management practices. This course is intended to develop students' motivation, skills, and knowledge required to work effectively with people from diverse cultural backgrounds.

Management Information Systems (MIS)

MIS 3301 Management Information Systems (3 SCH)

Prerequisites: CSC 1300, MGT 3301

3 lecture hours

This course introduces basic information systems concepts and computer-based technologies. Emphasis is on understanding the role of information in the business organization and how available computer-based technologies enable the manager to exploit and manage information to enhance the success of the firm.

MIS 3302 Managing Information Systems and Technology in the Global Marketplace (3 SCH)

Prerequisite: MIS 3301

3 lecture hours

This course covers the managerial and organizational issues involved in operating a firm. The role of automated information processing, automated support processes, and information systems is reviewed. Planning the development, direction, and control of computer information systems are examined.

MIS 3399 Special Topics in Management Information Systems (3 SCH)

Prerequisites: MIS 3301, junior classification

3 lecture hours

This course consists of specially scheduled readings on significant issues or topics relevant to the study of management information systems.

Marketing (MKT)

MKT 3301 Principles of Marketing (3 SCH)

Prerequisites: ACC 2302, ECO 2302; or ACC 2301, EGR 2302 (SSE); or ACC 2301, ECO 2302 (SHSS)

3 lecture hours

This course gives an outline of common marketing concepts and models with the purpose of developing responsive marketing strategies that meet customers' needs. The course also focuses on the use of marketing in organizations and society. Topics include marketing environment, consumer behavior, marketing research, segmentation, and international/global marketing with relevance to cultural diversity and ethics.

MKT 3302 Advertising and Promotion Management (3 SCH)

Prerequisite: MKT 3301

3 lecture hours

This course is an overview of the broad fields of advertising and promotion management. Topics include managing promotional operations, advertising, public relations, personal selling, and sales promotion. Emphasis is placed on how promotional campaigns are planned, created, and budgeted, and how these campaigns can inform buyers, change attitudes, and increase sales.

MKT 3303 Consumer Behavior (3 SCH)

Prerequisite: MKT 3301

3 lecture hours

This course focuses on understanding the consumer decision-making process in order to improve the prediction of consumer behavior overall marketing strategy. Drawing on contributions from psychology, sociology, communication, and anthropology, the course provides a conceptual understanding of consumer behavior and application of these behavioral concepts to marketing decision-making.

MKT 3304 Fundamentals of Services Marketing (3 SCH)

Prerequisite: MKT 3301

3 lecture hours

This course focuses on the distinctively different aspects concerned with marketing in services. Topics will include the nature of services, how consumer behavior relates to services, development of the service concept (including its value proposition, the product, distribution, pricing, and communications strategies), managing the interface between customers and the service organization, building customer loyalty, and service recovery.

MKT 3305 Brand Management (3 SCH)

Prerequisite: MKT 3301

This course aims to develop students' understanding of the importance of brand equity as well as how to build, measure, and manage brand equity. It will cover topics in the utilities of branding, steps/process of building brands, ways to leverage brand equity, strategies in managing brand portfolios, and management of brands over time, geographic boundaries, and market segments. Additional emphasis is placed on market intelligence and data analytics as they become critical tools for brand success.

MKT 3399 Special Topics in Marketing (3 SCH)

Prerequisites: MKT 3301, Junior classification

3 lecture hours

This course consists of specially scheduled readings on significant issues or topics

relevant to the study of marketing.

MKT 4302 Digital Marketing (3 SCH)

Prerequisite: MKT 3301

Combining both academic and in-depth case studies, this course explores the fundamentals of digital marketing and its latest methods and practices. Through a comprehensive approach, it aims to familiarize students with the cross- and omni-channel business environment in the digital and social age and acquire essential technical skills to bring theory to life. Topics include the big shifts that are transforming the digital marketing ecosystem, digital strategy and content marketing, SMART objectives, online and offline campaigns and monitoring (SEO, KPIs and Analytics, e-commerce), the media mix marketing, etc.

MKT 4304 Marketing Research (3 SCH)

Prerequisites: MKT 3301, Junior classification and one of the following: GBU 3311, SSC 2301 or MTH 3301

3 lecture hours

This course focuses on the use of marketing research as an aid to making marketing decisions. Specifically, the course addresses how the information used to make marketing decisions is gathered and analyzed. Topics include the marketing research process, research design, research methodologies, data collection, analysis, and interpretation.

MKT 4305 Marketing Management (3 SCH)

Prerequisites: MGT 3301, Junior classification and one of the following: MKT 3302 or MKT 3303

3 lecture hours

This course is concerned with the development, evaluation, and implementation of marketing management in complex environments. It focuses on formulating and implementing marketing management strategies and policies, a task undertaken in most companies at the strategic business unit level. In order to further disseminate knowledge and skills in essential aspects of marketing strategy and emerging New Economy marketing applications, the course covers the development and execution of programs, audits, and plans.

MKT 4306 International Marketing (3 SCH)

Prerequisites: MKT 3301, Junior classification

3 lecture hours

This course provides students with an opportunity to develop an understanding of the political, legal, and cultural environments surrounding international and global marketing strategies. It focuses on analyzing marketing opportunities and implementation of marketing decisions at the global level in terms of product, distribution, pricing, and promotion.

MKT 4307 Product Management and Marketing (3 SCH)

Prerequisites: MGT 3301, MKT 3301, Junior classification

3 lecture hours

This course exposes students to important topics in the marketing management discipline. The list of topics covered includes: 1) product concept and requirements; 2) product innovation cycles and interactions with the organization; 3) product launch management and influence of brand image; and 4) product testing and market research techniques available for that purpose.

Manufacturing and Logistics Engineering (MLE)

MLE 3301 Manufacturing/Supply Chain Management and Sustainability (3 SCH)

Prerequisite: EGR 3303, EGR2210

3 lecture hours

The course is designed for early exposure and understanding of the practical and theoretical in supply chain management and sustainability to the students. It guides students to develop an effective SCM strategy and its activities, as well as understand the relationships that exist among a chain of firms that work together to provide a product or service. It shall cover the quality followings: supply chain strategy, sourcing strategy, logistic management, distribution management, production and inventory management, measuring supply chain performance, information technology in supply chain, coordination in supply chain, and sustainability. The learning process for this course will be conducted through lectures, case studies practices, discussion, group project, and presentation.

MLE 3303 Maintenance and Reliability (3 SCH)

Prerequisite: EGR 3303, EGR2210

3 lecture hours

This course introduces reliability and maintenance concepts and tools. It gives an understanding about how to apply these concepts and tools at different phases of systems and components' life cycles. It covers maintenance and reliability models to assist the decision maker in making cost-effective decisions based on life cycle costing. At the system/equipment utilization phase, it focuses on understanding how maintenance can improve the availability of processes, and how to reduce downtime through maintenance optimization and total productive maintenance. It also covers quality improvement.

MLE 3305 Quality Management and Control (3 SCH)

Prerequisite: EGR 3303, EGR2210

3 lecture hours

This course introduces the quality management principles and the role of total quality in all key economic sectors. It also gives an overview of the philosophical perspectives supporting total quality. Finally, it provides basic technical tools and techniques relevant to quality assurance, control, and improvement, including management models such as the Deming Cycle, Six Sigma programs, and the seven Quality Control tools.

MLE 4304 Introduction to Industry 4.0 (3 SCH)

Prerequisite: EGR 3303, EGR2210

3 lecture hours

This course concerns the transformation of industrial processes through the integration of modern technologies such as sensors, communication, and computational processing. Industrial Internet of Things (IIoT) is an application of IoT in industries to modify the various existing industrial systems.

MLE 4305 Transportation and Logistics (3 SCH)

Prerequisite: EGR 3303, EGR2210

3 lecture hours

This course studies the processes involved in the planning and coordination of delivering persons or goods from one origin to a destination. Students learn to

master transportation management system (TMS) and other strategic business tools for an effective control of transportation cost management. The course targets among other learning outcomes, solving for the variants of vehicle routing problems as an effective way for fleet management.

MLE 4306 Facility Design (3 SCH)

Prerequisite: EGR 3303, EGR2210

3 lecture hours

This course is designed to equip students with the basic knowledge of designing manufacturing layout facilities. Topics covered in this course include selection of the facility location, design layout procedures and algorithms, personnel requirements, line balancing, material handling, and warehouse operations. At the end of the course, students should be able to design manufacturing plant layout by considering all engineering/manufacturing and supporting activities requirements, evaluate the best layout from the generated alternatives, select the best facility location, determine line balancing loss, and select the best material handling equipment for the manufacturing plant.

MLE 4307 Industrial Automation (3 SCH)

Prerequisite: EGR 3303, EGR2210

3 lecture hours

Industrial Process Automation provides the necessary technology to control and monitor the process in industrial plants using concepts such as feedback, cascade, feed forward, and advanced process control.

Mathematics (MTH)

MTH 1303 Calculus I: Differential and Integral Calculus (3 SCH)

The emphasis of this course is on problem solving, not on the presentation of theoretical considerations. While the course necessarily includes some discussion of theoretical notions, its primary objective is not the production of theorem-provers. The syllabus for MTH 1303 includes most of the elementary topics in the theory of real-valued functions of a real variable: limits, continuity, derivatives, maxima and minima, integration, trigonometric, logarithmic, and exponential functions and techniques of integration.

MTH 1304 Discrete Mathematics for Engineers (3 SCH)

3 lecture hours

This course covers the topics of interest to Computing majors. Specifically, it covers logic and Boolean algebra, modular arithmetic, number representation, relations, graph and tree traversal, simplex, counting and combinatorics, and initiation to probabilistic reasoning.

The course covers basic structures and tools in mathematics that are relevant to computer science. These include sets, relations, functions, logic and Boolean algebra, number representations in various bases, modular arithmetic, counting (with applications to probability), and graphs and trees.

MTH 2301 Calculus II: Multivariable Calculus (3 SCH)

Prerequisite: MTH 1303

3 lecture hours

Multivariable calculus covers vectors and surfaces, partial differentiation, multiple integration, and vector calculus, including Green’s Theorem and Stokes’ Theorem.

MTH 2304 Differential Equations (3 SCH)

Prerequisite: MTH 2320

3 lecture hours

The course covers differential equations, including basic concepts, first-order differential equations and applications, linear differential equations of higher order, series solutions, solutions using Laplace transforms, and solutions using numerical methods and applications.

MTH 2320 Linear and Matrix Algebra (3 SCH)

Students are introduced to: vectors in R2 and R3 matrices and vectors; systems of linear equations, spanning sets, linear independence, linear transformations and matrix operators; LU decomposition of a matrix, determinants, subspaces, basis and dimension; coordinate systems and change of coordinates; eigenvalues and eigenvectors; orthogonality and orthogonal matrices; and applications of linear algebra to some computing and engineering problems.

MTH 3301 Probability and Statistics for Engineers (3 SCH)

Prerequisites: MTH 2301

3 lecture hours

This course is a calculus-based introduction to probability and statistics with emphasis on the techniques and applications that are most useful to engineering. Topics cover usual discrete probability distributions, continuous probability distributions, multivariate probability distributions, and an introduction to statistics and sampling distributions with a strong emphasis on engineering applications.

MTH 3302 Complex Variables and Transforms (3 SCH)

Prerequisite: MTH 2304

3 lecture hours

The course covers functions of a complex variable, Cauchy-Riemann equations, Taylor and Laurent expansions, and residue calculus.

MTH 4199, 4299, 4399, 4499, 4599 Special Topics in Mathematics (Title to be assigned when offered) (1, 2, 3, 4, 5 SCH)

Prerequisites: Junior classification, SSE Approval

Variable lecture and/or laboratory hours

Special topics in mathematics courses may be taught by visiting or AUI faculty. This course is primarily intended for juniors and seniors. Can be repeated (not to exceed 6 SCH).

Pre-Academic English (PAE)

PALS Pre-Academic Listening and Speaking (0 SCH)

Co-requisite: Concurrent enrolment in PARD and PAWG

PALS is a 75-hour listening and speaking course designed to help students develop their listening skills by exposing them to a variety of listening materials, including informal conversations, formal speeches, and mini-lectures.

PARD Pre-Academic Reading (0 SCH)

Co-requisite: Concurrent enrolment in PALS and PAWG

PARD is a 75-hour course which equips students with essential reading skills to understand English texts. This course also helps students improve their English vocabulary, reading fluency, and comprehension speed.

PAWG Pre-Academic Writing and Grammar (0 SCH)

Co-requisite: Concurrent enrolment in PALS and PARD

PAWG is a 150-hour course in which students acquire the basics of English grammatical structures. In parallel, students practice writing skills and gradually move on to producing well-developed paragraphs.

Philosophy (PHI)

PHI 2301 Philosophical Thought (3 SCH)

Prerequisites: FAS 1220, ENG 1301

3 lecture hours

This course is an introduction to Philosophy. It examines the principal themes of philosophical inquiry (e.g., metaphysics, theory of knowledge, ethics, politics, aesthetics, etc.) from both a historical and multicultural perspective. Insofar as philosophy is central to human life, its history, in different places, records the efforts of many to understand the world and our place in it. The study of philosophy therefore contributes to an understanding of some of the ideas that have shaped and that continue to shape human life even as it teaches one how to think critically about them.

PHI 2302 History of Ideas (3 SCH)

Prerequisites: FAS 1220, ENG 1301

3 lecture hours

This course examines influential ideas in distinct areas of thought and from diverse intellectual traditions. It analyzes such ideas within a historical context, tracing their origin and development in different places and times. It considers the contributions of specific individuals (e.g., Plato, Siddartha Gautama, Ibn Rushd, Descartes, Kant, Darwin, Nietzsche, Freud, etc.), the impact of various intellectual movements (e.g., the Enlightenment, Romanticism, Post-modernism, etc.), and how both of these have manifested themselves in different domains of thought (e.g., philosophy, religion, ethics, politics, science, the arts, etc.). The course provides students with a greater understanding of the ideas that have shaped and that continue to shape our reality.

Physics (PHY)

PHY 1400 Conceptual Physics (4 SCH)

3 lecture hours, 2 lab hours

The course deals with basic concepts and principles of classical and modern physics for non-science majors, which lead to a better understanding of the physical universe and the way physics has influenced civilization.

PHY 1401 Physics I (4 SCH)

Prerequisite: MTH 1311

3 lecture hours, 2 lab hours

This course provides engineering students with the necessary background in mechanics and vibrations required for the follow-up course in statics and dynamics, and in the thermodynamics needed for follow-up courses in engineering thermodynamics. The theoretical and experimental concepts covered are physical quantities, linear motion, rotational motion, Newton’s law of motion, work, energy, impulse, momentum, systems in equilibrium, periodic motion, elasticity, fluid mechanics, temperature and expansion, quality of heat, mechanisms of heat transfer, and thermal properties of matter.

PHY 1402 Physics II (4 SCH)

Prerequisites: MTH 1312, PHY 1401

3 lecture hours, 2 lab hours

This course provides fundamental knowledge of electricity, magnetism, sound waves, and optics. Students are also introduced to electric fields and forces, electromagnetic induction, AC circuits, wave productions and propagation, wave effects, sound, light, optical systems, interference, and diffraction.

Territorial Planning (PLN)

PLN 2325 Theories of Territorial Planning (3 SCH)

This course introduces students to the main theories of urban and regional planning. Territorial planning is presented as a public good and as a professional practice. The course explores the complex manners in which planning processes interact with local politics and economic activities.

PLN 3301 Project Management (3 SCH)

This is a project-based course that develops the competencies and skills for planning and implementing development projects, with a focus on those of the public-sector and international agencies. It examines the project management life cycle, from defining project parameters, to developing appropriate project management tools and techniques, to assessing projects on-site and monitoring them after completion. Students explore project management through case studies and practical exercises.

PLN 3302 GIS for Local Planning (3 SCH)

Prerequisite: PLN 2301 and GEO 2306

This is a project-based course that explores how GIS and Remote Sensing are used in a variety of planning activities, including: urban planning, transportation networks, agriculture, energy distribution, health, education and housing. Students work on cases using real data.

PLN 3303 Urban and Regional Planning in Morocco (3 SCH)

Prerequisite: PLN 2325

This course surveys the history of urban and regional planning in Morocco from the Protectorate era to today. The legal and administrative frameworks of planning are reviewed. The contributions of Territorial planning to a number of key national policies, including urbanization, agriculture, energy, transportation, and the environment, are analyzed.

PLN 3305 Designing with the Environment (3 SCH)

Prerequisite: GEO 2305 & GEO 2306

This is a project-based course that explores how architectural, landscape, and urban design help to reduce environmental impacts and to conserve energy. The course focuses on the experiences of the Global South, and on those of North Africa and the Middle East in particular. Students work on cases using real data.

PLN 3399 Special Topics in Territorial Planning (3 SCH)

Specially scheduled courses on significant issues or topics relevant to Territorial planning.

Political Science (PSC)

PSC 2301 Comparative Political Systems (3 SCH)

Prerequisites: FAS 1220, ENG 1301

The course aims to provide a solid introduction to the major concepts, theories, and

debates relevant to contemporary politics. It includes an analysis of the origins and development of the state, with particular emphasis on the democratic state. It provides an overview of the main systems of government, of different models of organization of local administrations and bureaucracies, and of the roles of political parties, media, pressure groups, and social movements. The course also introduces the students to the comparative methodological approach in the study of politics.

PSC 2302 Political Theory (3 SCH)

Prerequisite: PSC 2301

The course serves as an introduction to the subject of political theory and philosophy. The course provides a survey of all the major political theorists, philosophers, and ideas from the classical period through the twentieth century. The ideas and writings of Plato, Augustine, Hobbes, Locke, and Machiavelli, amongst others, are considered and debated.

PSC 2310 The American Political System (3 SCH)

Prerequisites: PSC 2301

This course serves as an introduction to the structure of government in the United States. The constitution and the various institutions of American government are studied from a historical and political perspective. Other crucial components of the American system, such as political parties, federalism, interest groups, voting, social divisions, and the economic system are discussed and analyzed in light of the historical process of change and structural evolution. The course also introduces students to the main principles of public policy, the American public policy-making process, and its relation to key issues such as poverty, equality, immigration, foreign policy, the environment, and criminal justice.

PSC 2371 Introduction to African Politics (3 SCH)

Prerequisite: PSC 2301

This course discusses the political evolution of Africa since independence. Some of the main issues relate to the nearly universal wave of economic reforms, as well as the issue of failed states and the associated internal conflicts.

The course also explores alternative political models that might either suit or come from Africa, including society-based political movements that look beyond states as the primary legitimate units for politics.

PSC 3305 International Political Economy (3 SCH)

Prerequisite: INS 2301

The course introduces students to the basic ideas and debates of political economy, defined as both the politics of economics and the application of economic principles to politics. The course presents the main schools of thinking in political economy as well as current debates. Classical and neo-classical, Marxist and neo-Marxist, liberal and neo-liberal schools of thought are discussed. The role of the state in the economy and democratization is also examined.

PSC 3310 North African Government and Politics (3 SCH)

Prerequisite: PSC 2301

This course examines the government, politics, and international relations of the states of the central Maghreb: Tunisia, Algeria, and Morocco. It covers issues such as the impact of history, post-independence state building, the role of political parties, progress towards economic and political liberalization, and relations between these states and the wider world. Students gain an understanding of developments and issues within individual countries and will be able to compare issues thematically across the three states.

PSC 3311 Politics in the Developing World (3 SCH)

Prerequisite: PSC 2301

The course examines political development and the forms of government and political interaction in the states of the developing world. The themes addressed include the legacy and impact of colonialism, the roles played by political parties and the military, the issue of development, and the pressures for political change and liberalization.

PSC 3312 Middle Eastern Politics (3 SCH)

Prerequisite: PSC 2301

The course provides an introduction to the politics of the Middle East. Students develop the ability to reflect comparatively on a number of political systems of the region (the 'populist-authoritarian republics', the 'family-ruled monarchies', Lebanon, Israel, Turkey, and Iran). They identify patterns and common trends in contemporary Middle Eastern politics and explore a number of thematic issues, including the question of the nature of the state, the role of nationalism and ethnicity, democratization, and political Islam.

PSC 3315 Environmental Laws and Policies (3 SCH)

This course first familiarizes students with the main international conventions and agreements regarding environmental conservation, biodiversity, pollution control, and climate change mitigation. Students gain an understanding of the contexts in which these international agreements were reached and the way they have been implemented and monitored. Secondly, students learn of the Moroccan laws which regulate pollution, agriculture, and various industries, and of the administrative bodies responsible for implementing them.

PSC 3320 Introduction to the European Union (3 SCH)

Prerequisite: PSC 2301

The course aims to provide students with an understanding of the European Union. It is divided into the following sections: the historical origins and developments of the process related to European integration; the main conceptual approaches to European integration; and the institutional structure of the European Union and its key policies and processes. Students are also introduced to some of the issues and debates that are reflected in contemporary academic literature on the European Union.

PSC 4301 European Union Foreign Policy (3 SCH)

Prerequisite: PSC 3320

As an analysis of the history, mechanisms, and issues in European foreign policy, the course studies the evolution of external relations issues during the periods of the EEC, the European Community, and the European Union itself. The growth in importance of political and security issues vis-à-vis economic and trade issues are examined as well as the key issues of membership expansion, the Barcelona Accords, and relations with the USA.

PSC 4310 The Politics of Empire (3 SCH)

Prerequisite: PSC 2301

The course looks at the history and politics of empires and their legacy in the contemporary world. It analyses specific imperial formations, from classical Rome to the contemporary era. It explores comparative and theoretical debates concerning the notion of imperialism and power, the ideology, design, function, and administration of empires, the nature and formation of their power projection, the way they manage multiple ethnicities, minorities, identities, and nationalisms within their borders, as well as the dynamics of their success and decline. Themes covered include the emergence

of the Roman and Byzantine Empires, the European Empires from the 15th to the 19th Centuries, the Soviet and American Empires of the bipolar world, as well as the rise of new contemporary empires, such as that of the EU, China, and Russia.

Psychology (PSY)

PSY 1301 Introduction to Psychology (3 SCH)

Prerequisite: FAS 0210

This course is an introductory survey of the major content areas and theoretical models of psychology emphasizing the scientific approach to critically understand human behavior. Throughout the course, behavior is examined as the product of interaction between our biology, our culture, and our unique individual abilities. Students gain an understanding of human development, consciousness, learning, memory, intelligence, emotions, and personality, among other main focuses of psychology.

PSY 1303 Clinical Psychology and Psychopathology (3 SCH)

Prerequisite: PSY 1301

This course will provide an overview of clinical psychology and psychopathology. Clinical psychology is the study of the assessment, prevention, amelioration of psychological distress, and the enhancement of psychological and physical well-being. Psychopathology is the study of "abnormal" behavior or mental disorders. We will consider how "abnormality" is defined, and we will learn about the phenomenology and the causes of mental disorders. This class will challenge ideas about the definition of mental illness, *with special attention given to the Moroccan context*, and it will help develop conceptual knowledge intended to enhance critical thinking in this area. Note: This course will not aid in understanding personal experiences with mental illness.

PSY 2301 Applied Psychology to Culture (3 SCH)

Prerequisite: PSY 1301

Culture is central to the study of mind and behavior. This course will provide students with an introduction to theory and research on culture and psychology. We will explore how culture influences how we think, feel, and behave. This course is beneficial to any student interested in working in any psychological field within a multi-cultural setting.

PSY 2302 Cognitive Sciences & Cognitive Psychology (3 SCH)

Prerequisite: PSY 1301

This course offers a broad introduction to scientific theory and research in the study of human mental processes. Topics include perception, imagery, attention, problem solving, decision-making, and language. This course draws on both behavioral and cognitive neuroscience approaches and emphasizes the relationship between mind and brain.

PSY 2303 Developmental Psychology (3 SCH)

Prerequisite: PSY 1301

This course offers an overview of human development across the life span, from prenatal to late adulthood. Critical examination of current research within the context of various theories of development will be emphasized.

PSY 2304 Psychology of Health (3 SCH)

Prerequisite: PSY 1301

This course offers an overview of the basics of health psychology, knowing what stress is according to the biopsychosocial model describing various methods for studying stress and health, and identifying other factors, such as underlying health habits and lifestyles. Additionally, students will look at positive health outcomes and gender and cultural differences in stress and health, *such as common stressors and expressions*

of stress in Moroccan society. Finally, various health issues (e.g., sleep behaviors, pain, and exercise) will be discussed.

PSY 3301 Child and Adolescent Psychology (3 SCH)

Prerequisite: PSY 2303

Examination of theories and current research in cognitive, emotional, social, and physical development in infancy through adolescence. Familial, peer group, educational and cultural contexts, with emphasis on personality, attitudes, perception, ability, and adjustment.

PSY 3302 Social and Organizational Psychology (3 SCH)

Prerequisites: PSY 1301

This course looks at the influences that people have on the attitudes, beliefs, and behavior of others. It applies the theories of Social Psychology to the motivations and behavior of people within work organizations.

PSY 3303 Psychology of Adulthood and Aging (3 SCH)

Prerequisite: PSY 2303

This course addresses both common patterns of development in adulthood and aging in *specific patterns within the Moroccan society*. An in-depth survey of adult and elderly development focusing on current research in social, cognitive, biological, and psychological developmental issues, with emphasis on personality, attitudes, perception, ability, and adjustment.

PSY 3305 Interpersonal Relations and Conflict Resolution (3 SCH)

Prerequisite: PSY 1301

This course will focus on the psychological causes, dynamics, and consequences of interpersonal and intergroup conflict. Topics discussed will include such issues as the role of power, status, trust, and social identity. Students will learn about various theories related to the causes of conflict, including negotiation, mediation, and facilitation.

PSY 3306 Human Sexuality and Genders (3 SCH)

Prerequisite: PSY 1301

This course offers a study of: the biological basis of the human sexual response system; sexual individuality and values; reproduction; and health, legal, and social issues related to human sexuality. Additionally, an analysis of similarities and differences between the sexes in biological and socialization factors and in the development of gender and sexual identity will be conducted *with an emphasis on Moroccan norms.*

PSY 3308 Advanced Psychopathology (3 SCH)

Prerequisite: PSY 1303

This course offers a survey of the psychological disorders classified in the current Diagnostic and Statistical Manual of Mental Disorders (DSM). Diagnostic criteria will be the primary focus of the course.

PSY 3309 Learning, Motivation, and Reward (3 SCH)

Prerequisite: PSY 2302

This course will present phenomena and theories of animal and human learning, including Pavlovian conditioning, operant conditioning, discrimination learning and verbal learning, and organization and processing memory. Additionally, it will focus on motivation and reward, providing students with a background and understanding of the various theories and approaches to studying the topic of motivation, including an introduction to some of the history and current advances in the field.

PSY 3398 Special Topics in Clinical & Cognitive Psychology (3 SCH)

Prerequisite: PSY 1303 and PSY 2302

This course provides the opportunity to explore new topics in Clinical Psychology and/or Psychopathology. It varies in content according to faculty expertise and the relevancy of current issues in this field.

PSY 3399 Special Topics in Sociological & Developmental Psychology (3 SCH)

Prerequisite: PSY 1301, sophomore classification

This course provides the opportunity to explore new topics in Clinical Psychology and/or Psychopathology. It varies in content according to faculty expertise and the relevancy of current issues in the field.

PSY 4000 Careers in Psychology Workshop Series

Prerequisite: Senior classification

Non-credit degree workshop series (in Arabic/French)

1st Workshop: This is an orientation to the field of psychology, which aims at familiarizing students with the practices of psychologists *with special attention given to the Moroccan legal framework and professional ethics*. Students will be presented with information about the psychology major, the course offerings in psychology, career opportunities in psychology, and graduate study in psychology. Differing orientations toward the field of psychology will be explored *with special emphasis given to the Moroccan job market.*

2nd Workshop: French-applied psychology. As French is commonly used by he*alth professionals in Morocco*, this workshop will be focused on technical terms in order to ease the students' professional communication.

PSY 4301 Psychometric Instruments for Psychological Assessment (3 SCH)

Prerequisites: PSY 3308

This course examines the theoretical and practical aspects of the administration and interpretation of psychological tests.

PSY 4302 Theory and Practice of Psychotherapy (3 SCH)

Prerequisite: PSY 1303, junior classification

This course offers an intensive examination and analysis of major theoretical perspectives of psychotherapies. Special attention will be paid to the role of Psychotherapies in contemporary society, *especially Morocco*, as well as techniques used in the psychotherapeutic process.

PSY 4303 Psychology of Crises (3 SCH)

Prerequisite: PSY 1303, junior classification

This course will provide students with the theoretical base for understanding how crises (natural disasters, sanitary crises, terrorism...) affect our functioning at biological, psychological, and social levels. Students will explore the importance of prevention and be introduced to intervention, assessment, and treatment of psychological trauma at an individual, group, and societal level. Cultural implications will be addressed by exploring the *specificity of the Moroccan context*.

PSY 4304 Advanced Research Methods and Statistics in Psychology (3 SCH)

Prerequisite: STA 2401

Designs of research and advanced skills in statistics are presented within the field of

Psychology (experimental and quasi-experimental design, naturalistic...), as well as the general principles of the scientific method.

Renewable Energy Sciences (RES)

RES 3301 Energy Storage (3 SCH)

Prerequisites: EGR 3302

3 lecture hours

This course will explore the wide range of technology available for energy storage and its impact on the energy industry. Technology will include batteries, super capacitors, flywheels, pumped storage, and hydrogen, among others. In addition, the management and storage of heat, mechanical, electrochemical, and electrical energy will be discussed.

RES 3313 Environment, Sustainability, and Energy (3 SCH)

Prerequisites: PHY 1402

3 lecture hours

This course examines the concept of Sustainable development: history, definitions, and goals. Sustainable development indicators: what are their purposes? Energy and sustainable development. Energy chains environmental impact. External costs. Instruments for emission reduction. Optimization of emission reduction level. Global warming and emissions of greenhouse gasses, possibilities for reduction. Climate changes. Electricity production and impact on human health and the environment. Technical and economic characteristics of emission abatement technologies. Environmental regulations, standards, and international agreements.

RES 3321 Conventional Energy Technologies (3 SCH)

Prerequisites: EGR 2402

3 lecture hours

This course will provide an in-depth knowledge of conventional energy domains. This course examines the basics of energy engineering/sciences and technology with a focus on the fundamentals of conventional energy sources. The course concentrates on conventional energy sources such as oil, natural gas, and coal. A thorough comparison between conventional and renewable energy sources is key to understanding the possibilities and limitations of new energy sources.

RES 4315 Energy Management (3 SCH)

Prerequisites: EGR 2302

3 lecture hours

Topics related to incentives and requirements for improving energy efficiency in the residential, commercial, transportation, and industrial sectors will be covered, in addition to methods for energy audit of the industrial and civil installations. Students will be introduced to the ISO 50001 standard, as well as energy efficiency in construction, efficient energy management techniques, economic and social factors which influence energy technologies, and methods for energy audit of the industrial and civil installations. Students will also get an overview of energy projects and environmental management. The potential of using renewable energy technologies as a complement to and as a replacement for conventional technologies, and the possibility of combining renewable and non-renewable energy technologies in hybrid systems are analyzed.

RES 4317 Energy Economics and Finance (3 SCH)

Prerequisites: EGR 2302

3 lecture hours

This course deals with the methods and practices necessary to manage an energy project. Economics for managers and essentials in corporate finance will be covered. Students will be introduced to risk management, management techniques, project evaluation, and financing. It includes an overview of energy projects and environmental management. Students will also be introduced to energy markets and trading.

RES 4323 Energy Distribution Systems (3 SCH)

Prerequisites: EGR 2402

3 lecture hours

This course covers the following topics: characteristics of modern power systems (organization, needs, and functions), electrotechnical behavior of the generators in the system (generation diagram, power and frequency control, and reactive and voltage control), transmission aspects (handling of power flows and voltage profiles, network calculations, security analyses and optimization), design of the network (structure of the grid and configurations for the substations), reliability concepts, and calculation methods. In addition, students will study electric grid operation and evolution to the Smart Grid, including electric system design and operation, technical and tariff changes ahead, and integration between utilities and regional transmission organizations.

RES 4325 Introduction to Renewable Energy Technologies (3 SCH)

Prerequisites: EGR 2311

3 lecture hours

This course aims to provide an introduction to engineering principles and designs underpinning solar and wind renewable energy technologies. The course discusses the scientific principles behind solar thermal and photovoltaic energy. The students will be able to: describe the fundamentals and main characteristics of the Sun's energy; describe the main components associated with the solar thermal energy technologies, photovoltaic technologies, as well as solar renewable energy resource assessment; describe the fundamentals and main characteristics of the wind; describe the main components associated with the wind turbine energy technologies and scientific principles of energy transfer by fluids; and analyze data using predictive models to forecast the amount of wind and solar energy achievable. This course also addresses the bio- and geothermal energies from the perspective of the National needs.

RES 4326 Smart Grid and Grid-Connected System (3 SCH)

Prerequisites: RES 4323

3 lecture hours

This course discusses the international and national development towards the future's renewable electric energy system, and the concept known as "Smart Grid". The starting point is understanding the benefits, characteristics, and pillars of smart grids. The module gives a basis to understand the role of the energy storage system, active network management, optimal power flow, and voltage control techniques. The module provides students with basic knowledge about the uncertainty in power systems and the use of the Hardware-in-Loop simulation for testing smart grid components.

Science (SCI)

SCI Health Science (2 SCH)

Prerequisite: none

This course provides information about individual and global health issues. It describes

public health, relative roles and responsibilities of government and other entities, and shows the risk factors and modes of transmission for infectious and chronic diseases, as well as how these diseases affect both personal and population health. In relation to individual health, this course introduces the five basic components of health-related physical fitness (cardiovascular endurance, muscular strength, muscular endurance, flexibility, and body composition). Additional information concerning nutrition, weight management, and stress management will also be addressed.

SCI 2199, 2299, 2399, 2499, 2599 Special Topics in Science (Title to be assigned when offered) (1, 2, 3, 4, 5 SCH)

Prerequisite: SSE Approval

Variable lecture and/or laboratory hours

Special topics in science courses may be taught by visiting or AUI faculty. This course is primarily intended for freshmen and sophomores. Cannot be repeated.

SCI 4199, 4299, 4399, 4499, 4599 Special Topics in Science (Title to be assigned when offered) (1, 2, 3, 4, 5 SCH)

Prerequisites: Junior Standing, SSE Approval

Variable lecture and/or laboratory hours

Special topics in science courses may be taught by visiting or AUI faculty. This course is primarily intended for juniors and seniors. Can be repeated (not to exceed 6 SCH).

Supply Chain Management

SCM 3301 Introduction to Management Science (3 SCH)

Prerequisite: GBU 2301

3 lecture hours

This course introduces mathematical modeling and optimization techniques, including linear programming, integer programming, basic network flow problems, queuing models, simulation, and decision-making under uncertainty.

SCM 3399 Special Topics in Logistics and Supply Chain Management (3 SCH)

Prerequisite: SCM 3301

This course consists of specially scheduled readings on significant issues or topics relevant to the study of Logistics and Supply Chain Management.

SCM 4301 Introduction to Supply Chain Management (3 SCH)

Prerequisites: SCM 3301, junior classification

3 lecture hours

Supply chain management is the integration of all activities associated with the flow and transformation of goods. Logistics is part of the supply chain process that plans, implements, and controls the efficient flow and storage of goods. This course provides an introduction to logistics and supply chain concepts, structures, design, and control.

SCM 4302 Production and Inventory Management (3 SCH)

Prerequisites: SCM 3301, Junior classification

3 lecture hours

This course introduces fundamental concepts related to production planning and inventory management. Different planning models, like aggregate planning and materials requirement planning techniques, are taught. The course also introduces and discusses inventory control policies, demand forecasting techniques, pull/push systems, and some basic scheduling techniques.

SCM 4303 Management of Transportation (3 SCH)

Prerequisite: SCM 4301

3 lecture hours

This course is an introduction to transportation from managerial and technical perspectives. The course presents an overview of various freight transport industries (motor carrier, railroad, airline, maritime, multimodal, etc.), and discusses current challenges and issues. Models and techniques for planning and managing long and short-haul freight transport are also presented.

Sociology (SOC)

SOC 1301 Principles of Sociology (3 SCH)

Corequisite: FAS 1220

This course provides an introduction to sociology by covering a range of objects of sociological investigation, including socialization, deviance, social stratification, family, gender, race, and ethnicity. It also introduces students to the scope, approach, research methods, and ethical concerns of sociological inquiry.

Spanish (SPN)

SPN 1301 Beginning Spanish I (3 SCH)

3 lecture hours

This course is intended for students who have no basic knowledge in Spanish. They will apply, develop, and integrate different language skills, such as listening, speaking, reading comprehension, and writing. Upon completion of this course, students will be able to express themselves both in spoken and written Spanish. In addition, they will be able to understand brief speeches, advice and instructions, to introduce themselves, their work and place of residence, say things that please (or displease) them, and reply to questions about their immediate needs and everyday topics. Students will have a certain command of related grammatical elements: how to use the present tense, the imperative, and the simple past.

SPN 1302 Beginning Spanish II (3 SCH)

Prerequisite: SPN 1301 or Instructor's consent

3 lecture hours

This course is designed for students who have already taken the SPN 1301 or have some basic knowledge in Spanish. They will apply, develop, and integrate different language skills, such as listening, speaking, reading comprehension, and writing. Upon completion of this course, students will be able to give simple descriptions of people, their lives, conditions of work, and daily activities. In addition, they will be able to tell a simple story, a personal experience, and describe aspects of daily life or ordinary activities. In the process, relevant emphasis will be devoted to grammar.

SPN 2303 Intermediate Spanish (3 SCH)

Prerequisite: SPN 1302 or Instructor's consent

3 lecture hours

Upon completion of this course, students will demonstrate reasonable fluency in Spanish, such that will enable them to describe various topics of personal interest, to make a detailed account of a personal experience, to describe feelings and reactions, and to give a critical report about a story, a film, or a book. These outcomes are achieved through a balance of the presentation of new material, practice and group work, and frequent opportunities to give oral presentations.

SPN 2310 Advanced Spanish (3 SCH)

Prerequisite: Registration by placement test only

3 lecture hours

This course strongly emphasizes spoken and written Spanish. Students will be able to make a detailed descriptive presentation or tell a story, highlighting significant elements. Furthermore, they will develop their own ideas and defend them by providing evidence, as well as express views on a variety of general subjects with noticeable fluency, spontaneity, and confidence. In relation to these skills, students will be introduced to selected Spanish and South American literary authors and their works.

Social Sciences (SSC)

SSC 1310 Introduction to Anthropology (3 SCH)

Corequisite: FAS 1220

This course is an introduction to the principles and processes of Cultural Anthropology with an emphasis on Applied Anthropology. The course has a strong theoretical base linking social, economic, and political organizations to wider considerations of environment and culture. Students are introduced to the main ethnographic methods and are required to use more than one of them in a field exercise. Students are encouraged to make connections between materials presented in class and the realities of life in the MENA region with an emphasis on Morocco's National Human Development Initiative. Students are also introduced to ethical issues of data collection and data analysis in the Social Sciences.

SSC 2301 Arab Society (3 SCH)

Prerequisites: SOC 1301 or SSC 1310, FAS 1220

This is an introduction to the study of the Arab World, both the *Mashriq* (Arab East) and the *Maghreb* (Arab West). It examines Arab Culture, the large number of shared practices and beliefs among all Arabs, as well as the cultural specifics of various regions within the Arab World. The main focus of the course deals with contemporary issues of this vast region.

SSC 2302 Social Theory (3 SCH)

Prerequisites: GEO 1301, PSY 1301, SOC 1301 or SSC 1310, FAS 1220

This course provides an in-depth examination of the major strands of social theory, beginning with the founders and continuing through structuralism, feminism, and post-modernism, including other schools that affected 20th century social theory.

SSC 2310 Development Policy (3 SCH)

Prerequisite: SOC 1301 or SSC 1310, and FAS 1220

The course is designed as a general introduction to the various theories that have been used in development from the early 1950s to the present day. The course examines the origins and contexts of these various theories and why there has been a constant need to reassess them. The reasons for the collapse of development schemes and even entire national policies have often been ascribed to 'cultural factors'. The course covers these cultural factors and looks at how they have directly affected the new, current thinking in development, whether rural or urban.

SSC 2315 Sex, Gender and Power (3 SCH)

Prerequisites: ENG 1301 and any of the following: GEO 1301, PSY 1301, SOC 1301 or SSC 1310

This is an introductory course in Gender Studies. It aims to explore and analyze the concepts and theories, across disciplines, which explain the place and role of women in society. It examines the difference it makes to our understanding of the world when

we put women at the center of our reflections. The course examines how the notions of “women,” “gender,” and “sexuality,” have been constructed and how these notions are related to systems of power. Such an inquiry provides a greater understanding of women’s lives and experiences.

SSC 2330 International Field Seminar (3 SCH)

(To be cross-listed with Special Topics).

Prerequisites: GPA: 2.5, plus completion of 3 credits from either GEO, HIS, HUM, LIT, PHI, PSC, PSY or SSC.

This course is designed to give students firsthand field experience of major issues in the Humanities and Social Sciences. Each field seminar focuses on a specific foreign city, region, or country. The course begins as a series of lectures and workshops during a regular semester (fall or spring) and culminates in a 9- to 12-day field trip during the subsequent inter-semester break (winter break or May break), during which AUI faculty and/or local experts give presentations on select topics. Topics covered vary according to the destination, but include such issues as economic and social conditions, political systems and processes, community affairs, environmental issues, development, tourism, international law, culture, and the arts. Students write a number of response papers during the semester, prepare a project or research proposal prior to the trip, and submit a research or project report upon returning from it.

SSC 2340 Gender, Environmental Justice and Sustainability (3 SCH)

Women, particularly women in subaltern positions or in underprivileged groups, are among the groups most vulnerable to environmental crises and injustices. This course analyzes the intricate relationship between gender, women (are they the same thing?) and the environment. It explores the role of the environment in shaping gender inequality, with a focus on the experiences of women. The environment is a powerful construct often used to reproduce and reinforce power dynamics. It has been used to subordinate and degrade marginalized groups, especially women. Environmental justice is understood in terms of gender, and of gender’s intersecting with other identity-based affiliations, such as race, color, sex, sexuality, class, religion, age etc. Women both constitute and are constituted by environmental justice. On the one hand, women play a pivotal role in advancing environmental justice and sustainability, while on the other, the environment can play an important role in advancing gender equality and women’s self-empowerment.

SSC 2342 Anthropology of Development (3 SCH)

Prerequisite: SSC 2310

This course examines why current development theories emphasize local involvement in project development and implementation. The relationship between local communities and the state, the rise of civil society, local participation, and empowerment (of women in particular) are all considered essential to the success of development policies and projects. Issues salient to development include gender, poverty alleviation, human rights, sustainability, and the use of appropriate technology. The course also investigates the role of social scientists in creating better development plans, assisting with their implementation, and conducting follow-up assessment studies (Applied Anthropology).

SSC 2371 Ethnography in Africa (3 SCH)

Prerequisite: GEO 1301, or SOC 1301, or SSC 1310, or PSY 1301

3 lecture hours

Ethnography is one of the most important means of written descriptions of Africans, starting with the colonial period. Colonial authorities in British, Belgian, and French possessions produced a large corpus of ethnographic literature that shapes today’s

image of African peoples. This course examines several of the major works from the colonial period, after independence, and finally looks at recent ethnographies by Africans about themselves.

SSC 3303 Research Methods (3 SCH)

Prerequisites: SOC 1301, SSC 1310, GEO 1301, or PSY 1301

This course introduces students to the stages of scientific research and to the basics of quantitative and qualitative research methodology. It includes instruction in research design, literature reviews, survey methods (observation, interview, and questionnaire), as well as field research and content analysis. Students conduct a number of practical exercises.

SSC 3311 Women and Economic Development (3 SCH)

Prerequisite: Junior classification

The course introduces students to the main debates and concerns of women and development. Students study the various economic activities of women in rural and urban economies, in formal and informal sectors, and they consider crucial issues of women's access to land, property, income, technology, and finance, as well as questions of the environment. Emphasis is placed on the evaluation of existing national and international economic and developmental policies and their implications for women in the Arab world, especially.

SSC 3316 Gender, Politics and Society (3 SCH)

Prerequisites: PSC 2301, Junior classification

This course explores the ways in which politics and societies are gendered and how localized politicization of gender issues influences transnational and international political agendas. It adopts a comparative approach to Western and Middle Eastern-North African gender politics. The agendas promoted by the diverse political actors will be examined with a focus on their interaction with domestic and international politics, global economic ideologies, international development agendas, and globalization. The aim is to provide students with an understanding of how cultural and national identities, and egalitarian and (neo)patriarchal systems have appeared, have been transformed, (re-)emerged or have (re)asserted themselves in response to both Westernization and Easternization of societies, gender relations, and gender politics.

SSC 3321 Economic Development in the Middle East and North Africa (3 SCH)

Prerequisite: Junior classification

The course examines the issue of development since the 1950s in North Africa and the Middle East. State policies and theories of development are studied in light of actual project implementation. Changes in the theoretical orientation towards development, the increasing role of NGOs, the rise of grass roots organizations, appropriate technology, appropriate development, and gender issues since the 1970s are discussed. The course brings the discussion from a general coverage of the MENA region to the specifics of development implementation in Morocco.

SSC 3330 Immigration to the United States (3 SCH)

Prerequisite: Junior classification

This course surveys the immigrant experience in the United States. The causes and effects of the various immigration waves are studied along with the evolution of legal frameworks encapsulating them. Cultural and social policies related to immigration, along with the issues of assimilation, integration, and bilingual education, are addressed.

SSC 3331 Race, Religion, and Minorities in the United States (3 SCH)

Prerequisite: Junior classification

This course introduces students to the question of race, religion, and ethnicity in the United States. It addresses how the government and society have interacted and continue to interact with minority groups in the United States.

The course focuses on the leading minorities of the United States: Native Americans, African-Americans, Hispanics, and Asian-Americans. The experiences and movements of each of various communities are examined in light of 'othering', discrimination, struggle, and hopes for eventual emancipation.

SSC 3332 Crime and Punishment in the United States (3 SCH)

Prerequisite: Junior classification

In this course, students study the United States criminal justice system. The constitutional basis of the system is contrasted with the realities that the accused face in court. Among the topics discussed are the incarceration rate, the unequal application of the death penalty, the rights of the accused, and public opinion towards crime and punishment.

SSC 3341 International Migration (3 SCH)

Prerequisite: Junior classification

Migration, one of the oldest phenomena known to humanity, is also one of the most prescient in current international affairs. This course surveys the main transnational and intercontinental migratory trends today and examines how states and the international system attempt to regulate them. The course explores how migration is experienced by individuals, the ways it changes society in both home and host countries, and its effects on domestic and foreign policies. In addition, the particular conditions that generate refugees and the manner in which refugee situations are (mis)managed are analyzed.

SSC 3345 Critical Debates in Development (3 SCH)

Prerequisite: SSC 2310

The notion of development has served as a complex paradigm for the understanding, evaluation, and intervention in societies, at least since the end of the Second World War. While its impact has been overwhelming in domains as diverse as economics, politics, social organization, education, urbanization, technology, etc., it has never been without its critics, both from within—in debates about the proper meaning and politics of development—and from intellectual traditions from outside the paradigm. The aim of this course is to critically examine some of these debates, from such diverse perspectives as Dependency Theory, World Systems Theory, Feminism, Post colonialism, and Post-developmentalism.

SSC 3347 Gender and Politics in the Modern Middle East (3 SCH)

Prerequisite: Junior classification

Gender roles and relations in the Middle East and North Africa are often viewed as being determined by either Islam, Arab culture, or both. This course moves beyond such narrow socio-religious approaches to MENA femininities, masculinities, as well as gender roles and relations. Students focus on questions of gender through the lenses of post-colonial state-building, economic liberalization, democratization, international development, and globalization. The course explores the shaping of both femininities and masculinities in MENA countries. The themes adopted in the course include colonialism and the impact of post-colonial state-building on gender relations; personal status codes/family laws; gender and social ideologies, such as patriarchy and Islamic feminism; human development; economic liberalization and neoliberalism;

democratization and NGO-ization; and the debate between universal vs culturally specific approaches to women's rights.

SSC 3371 Urbanization in Africa (3 SCH)

Prerequisite: Junior classification

This course explores issues related to the accelerated mass urbanization process currently affecting Africa. The implications of mass urbanization for societies, economies, and politics are explored. The challenges urbanization poses for the planning and management of public services are analyzed. In particular, the role of the informal sector in sustaining urban life is analyzed with special regard to gender issues. The course also explores the role African cities play in connecting the continent to global flows of goods, people, cultures, and ideas.

SSC 3372 The Political Economy of Development in Africa (3 SCH)

Prerequisites: PSC 2301, ECO 2310

The course examines the development experience of sub-Saharan Africa since independence. It reviews the development strategies tried in different settings and the theories that underline these strategies. In particular, the course covers statism and its variants, the liberal and radical approach, and the impact of globalization on Africa's achievements as well as the challenges it continues to face in the political and economic arenas.

SSC 3379 Special Topics in African Studies (3 SCH)

Prerequisite: Junior classification

Specially scheduled course on a significant issue or topic relevant to the study of Africa.

SSC 3398 Special Topics in Gender Studies (3 SCH)

Prerequisite: Junior classification

Specially scheduled course on a significant issue or topic in Gender Studies.

SSC 3399 Special Topics in International Cooperation and Development (3 SCH)

Prerequisite: Junior classification

Specially scheduled courses on significant issues or topics relevant to the study of International Cooperation and Development.

SSC 3405 Field Methods (4 SCH)

Prerequisite: SSC 3303

This course introduces theoretical and practical techniques and methods of fieldwork. The practical portion of this course consists of specific data collection projects to be carried out by students both on and off campus. The course carries four (4) credits due to the number of practical exercises in the field.

SSC 4302 Senior Capstone (3 SCH)

The Senior Capstone consists of a major, individual, independent research-oriented exercise or project each student undertakes during his/her final semester. The aim of the Senior Capstone is to give students the opportunity to use the research tools and analytical skills they have acquired in their undergraduate courses, and to work creatively with the theories and concepts relevant to their field of study. The emphasis in the Senior Capstone is on student initiative. It is up to each student to come up with a research project. Students are encouraged to choose projects of particular interest to themselves. Students enrolled in the Senior Capstone meet in seminar fashion in order to discuss methodology, data collection and analysis, sources, and other issues relevant to their projects, and to exchange ideas with invited speakers.

Statistics (STA)

STA 2301 Introduction to Statistics (3 SCH)

Prerequisites: CSC 1300, MTH 1388

3 lecture hours

This course aims to equip students with the basic skills in statistics to understand and evaluate numerical data. Topics include organizing data, percentile, measures of central tendency and dispersion, normal curve, probability, correlation, regression analysis, and nonparametric tests. This course covers both descriptive and inferential statistics.

Tamazight (TMZ)

TMZ 1301 Beginning Tamazight I (3 SCH)

3 lecture hours

The course is intended for beginners and introduces students to the basic formal elements (phonology, morphology, and syntax) of Middle Atlas Tamazight, as well as the socio-cultural components needed to function in basic interactions with native speakers of the language. To reach this goal, the course emphasizes communication. Students will also be trained in the use of Tifinagh as the official script for writing Tamazight.

TMZ 1302 Beginning Tamazight II (3 SCH)

Prerequisite: TMZ 1301 or instructor's consent

3 lecture hours

The course is offered to students who have completed TMZ 1301 or who are able to demonstrate a competence in the language equal to that of students who have completed the previous course. The course reinforces formal aspects of Tamazight (phonology, morphology, and syntax) introduced in TMZ 1301, and acquaints students with other features of Tamazight culture with specific reference to values and norms, history, and contemporary issues. Through these activities, the course contributes to the students' ability to communicate effectively in Tamazight.

Undergraduate Research Program (URP)

URP 3377 Hands-on Multidisciplinary Research (3 SCH)

Prerequisite: Junior standing. Course offered once a year only.

The objective of this course is to introduce AUI students to a multidisciplinary research- and project-based learning experience. Each offering will have a different theme. Under the supervision of faculty from different Schools and/or disciplines, students, also from different disciplines, will work on one or more projects, researching and applying concepts and tools to analyze issues and propose potential related solutions.

Graduate Academic Regulations

Graduate status is achieved when a student has been formally admitted to a specific graduate degree program.

A student not pursuing a master's degree may take courses for professional improvement or personal satisfaction. A maximum of nine SCH may be taken with a non-master's status. A student who later wants to count these hours toward a master's degree must secure approval from the Dean of the School.

Student Responsibilities

Students are responsible for knowing degree requirements and for enrolling in courses that apply toward their degree programs. In addition, they must know University regulations pertinent to the standard of work required for continuation in graduate study.

Academic Advising and Degree Plan

Upon acceptance into a graduate program, each student will be assigned an Academic Advisor. This advisor will work with the student to facilitate the student's incorporation into the appropriate degree program.

The degree plan is established when, following acceptance into a degree program and completion of all entrance requirements, the graduate student and the adviser plan a program of study. This program must then be approved by the program coordinator and the dean of the respective school. Filing of the degree plan with the dean's office should be done upon or prior to completion of 12 semester credit hours of degree requirements. The planned program will list all courses, any special projects, and any other educational experiences that are to be a part of the master's program. It is not necessary to include the topic if the project/thesis option is chosen.

Course Load Policy

Regular Semester Course Load

Full-time students normally enroll for at least nine, and not more than 12, semester credit hours per regular term. However, graduate students may register for five courses when they register for foundation courses only.

Typically, full-time students require two years, or four semesters, to complete a master's degree. Part-time students will take longer to complete their degree programs. Part-time students must enroll for at least six semester credit hours

per term, and they should keep in mind the residency requirement. Graduate students taking Language Center modules and foundation courses may not exceed 12 SCH (five courses including Language Center modules). While taking Language Center modules, graduate students are not allowed to register in courses other than foundation courses. Exceptional cases will, upon request, be examined by the school committee for possible waiver.

Summer Session Course Load

The maximum number of courses allowed are two courses (up to 7 SCH) including FAS and Language Center courses. Graduate students who are not cleared with the Language Center are not allowed to register for summer session in regular courses.

Additional Course Credits

No course counted toward another degree may be counted toward a master's degree, either directly or by substitution.

Residency Requirements

Minimum Residency

To fulfill a residency requirement, the student must have completed the first two semesters of regular degree course work as a full-time student, exclusive of prerequisite foundation courses.

Time Limitations

The master's degree must be completed within five years. No course more than five years old at the time all graduation requirements are met may be applied toward requirements for the degree. This includes any transfer credit and project or thesis credit. A student being re-admitted after a suspension must graduate according to the requirements of the catalog in force at the time of readmission.

Grading Policies and Academic Progress

Refer to the section on Grading Policy and to each school's section for academic progress regulations.

Repeat Policy

All courses taken at AUI, whether passed or failed, remain a permanent part of the student's record. If a course is repeated, the highest grade earned is the grade used to compute the cumulative grade point average (CGPA) for all purposes. Repeated courses are counted only once for credit.

A graduate course in which a grade of B or higher has been earned may not be repeated for credit. A student may repeat any course in which a B- or lower has been earned.

Normally a student is allowed to repeat a course only once. If a required course is failed a second time, a student may, after consulting with the advisor and the school coordinator, appeal to the school dean for permission to take the course a third time.

Undergraduate Foundation Courses

All graduate students will be graded on a Pass/Fail basis when taking undergraduate foundation courses. In these cases, grades earned will not be computed in their graduate GPA.

Failing Foundation Courses

The grades for all foundation courses are Pass/Fail. Grades will not be counted toward the degree requirement and are not computed in the semester or cumulative GPA (see Grading Policies). All foundation courses must be passed with the equivalent of a grade of B or better (Grades are either P/Pass or F/Fail). Failure in one foundation course will result in the student being placed on academic probation. Failure of more than one foundation course will result in the student being dismissed from the graduate program.

Oral Examination

Oral examinations constitute an important element of all master's degree programs at AUI. Refer to the appropriate section for each school.

Diagnostic/Qualifying/Exit Examination

Refer to the individual school for specific requirements.

Thesis/Research Project Report

The project/thesis must be prepared in compliance with University and school requirements.

Continuous Registration

Students who have met all course and thesis registration requirements and who need to register only for the purpose of having a degree conferred; and, students not requiring supervision nor needing to enroll in a regular course, but needing the use of University resources may enroll in designated courses approved by the adviser and the school coordinator (i.e., CSC 5199; GBU 5199; or INS 5199).

Graduation

Applying for Graduation

The prospective graduate must complete and file an application for graduation during the registration period of the semester graduation is planned. A degree check will be initiated for the student early in the semester. The student must be officially enrolled in the semester in which s/he expects to graduate.

Probation Regulations and Procedures

A summary of probation regulations and procedures is given in table form at the end of this section. The following paragraphs clarify select concepts used in this table.

Probation

Graduate students are placed on academic probation whenever their semester GPA falls below 3.00. Students in this category must obtain special permission

from their Committee on Student Standing and their dean before they can re-enroll. Failure to raise the semester GPA after two semesters on academic probation will result in dismissal from the University. Graduate students on probation may not register for more than 9 semester credit hours. However, if the student's cumulative GPA is 3.00 or higher, the student may request special permission from the school dean for an additional foundation course.

These regulations and procedures are published to assist students by providing information essential for those whose academic standing indicates a lack of satisfactory progress. Every student is responsible for knowing these regulations:

Semester Status	Academic Decision
1st Semester probation	Appeal for permission to register is required.
2nd Semester Probation with CGPA of 3.00 or higher.	Appeal for permission to register is required. If appeal is rejected, suspension may ensue.
2nd Semester Probation with CGPA less than 3.00	Appeal for permission to register is required. If the appeal is rejected, dismissal will ensue.

GRADUATE DEGREE PROGRAMS

Master of Business Administration (MBA)
Executive Master of Business Administration (EMBA)
Master of Science of Digital Marketing and Analytics (MSDMA)
Master of Arts in International Studies and Diplomacy (MAISD)
Master of Arts in Islamic Religious Studies (MAIS)
Master of Arts in North African and Middle Eastern Studies (NAMES)
Master of Science in Human Resource Development (MSHRD)
Master of Science in Communication and Digital Media (MSCDM)
Master of Science in Big Data Analytics (MSBDA)
Master of Engineering in Financial Technology (MEFT)
Master of Science in Digital Transformation (MSDT)
Master of Science in Software Engineering (MSSE)
Master of Science in Sustainable Energy Management (MSSEM)
Master of Science in Biotechnology (MSB)
Master of Science in Computer Networks (MSCN)
Master of Science in Computer Science (MSCSC)
Master of Science in Information Systems Security (MSISS)
Master of Science in Software Engineering (MSSE)

The University's graduate programs are administered by the Dean of each School under the direction of the Vice President for Academic Affairs.

SCHOOL OF BUSINESS ADMINISTRATION

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Dean
Dr. Youssef Chetioui,
Academic Coordinator for Undergraduate Programs
Dr. Comlanvi Martin Konou,
Undergraduate Programs Academic Advisor
Dr. Hind Lebdaoui,
Academic Coordinator for Full-Time Graduate Programs
Mrs. Rhizlane Hammoud,
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Faculty: G. Abbasi, K. Abouhazim, J. Abrache, T. Adhikari, S. Aguenaou, A. Akaaboune, I. Ali, B. Allali, O. A. Aliyu, M. Allen, A. Baijou, H. F. Baklaci, M. Belhaj, A. Bennani Bouchiba, I. Benhayoun, Y. Benrqya, M. Bouhfra, H. Bouzekri, Y. Chetioui, M. Doganlar, N. El Bezzari, O. El Garah, S. El Hassak, E. El Khachia, S. El Ouali, A. Fakhar, A. Gamar, A. Hamidi Alaoui, R. Hammoud, H. K. Hassan, A. Hassi, M. Ikram, G. Ilipinar, I. Jabbouri, H. Kassal, C. M. Konou, S. Koubida, H. Lebdaoui, M. Lehnert, D. MacArthur, A. Marghich, M. R. Nour, O. Oszoy, M. Quaisse, H. Satt, A. Slimane, A. Tahri

Mission

Our mission is to shape future ethical, successful managers and leaders with a local and global perspective.

Master of Business Administration (MBA)

The Master of Business Administration program at Al Akhawayn University provides a high-quality graduate degree program to those students already holding an undergraduate degree who aspire to become successful managers and leaders in the global economy. This is accomplished through developing their general knowledge and abilities, educating them in the broad scope of business administration, and providing them with the possibility of in-depth knowledge in one area of specialization.

Intended Learning Outcomes:

Students graduating with the Master of Business Administration should be able to:

- Apply decision-making tools, techniques, and analyses with the purpose of making sound managerial recommendations.
- Communicate professionally and work effectively within a diverse team.
- Manage group and individual behaviors in organizations.
- Apply the most appropriate style of leadership needed to solve complex business problems.
- Address ethical dilemmas in a socially responsible manner.

- Evaluate and design creative business strategies that consider local and global perspectives.

Admission Requirements

Applications for admission to the MBA Program may be obtained from Enrollment Services. The School of Business Administration accepts applications for admittance for both fall and spring semesters. Applicants must hold at least a bachelor's degree (or equivalent degree) with a minimum B standing. The Graduate Admissions Committee reviews completed applications and schedules interviews with prospective candidates. The results are communicated to the applicants through Enrollment Services.

The MBA program offers students the opportunity for in-depth exposure to state-of-the-art tools, techniques, and current practices in business administration.

Selected foundation (undergraduate) courses are required of students who do not have a Bachelor's degree in Business Administration (BBA), its equivalent, or who do not meet necessary course prerequisites. These students may be allowed to enter the MBA program while completing the necessary foundation courses. Successful applicants who do not hold a BBA or equivalent may be given permission to test out of any or all of the foundation courses by sitting for a test-out examination. The examinations are scheduled each semester during the first week of classes. The test-out fee is listed in the Tuition, Fees, Deposits, and Refunds catalog section.

Concentrations included with the MBA program consist of three courses (9 SCH) in the disciplines of finance, marketing, management, logistics and supply chain management, or general business. Some of these concentrations may not be offered unless justified by the number of students and market opportunities.

MBA Degree Requirements

The MBA program requires a minimum of 36 semester credit hours (SCH), which include 33 credits of course work and 3 credits for the MBA final project.

A student with a business-related undergraduate degree normally completes the MBA program within three regular semesters. However, students whose undergraduate degree is other than a business-related degree may take longer as they may need to complete up to 7 foundation courses to satisfy prerequisites and prepare for core courses in the MBA program.

The MBA program consists of 8 core courses, 3 concentration courses, and an MBA final project within the chosen concentration. Students who are new to the American educational system are required to complete an academic study skills course during their first semester. Students who lack an academic background in business are required to take one or more of the 9 foundation courses. All foundation courses must be passed with the equivalent of a B- grade or better.

Students must earn and maintain a Cumulative GPA of at least 3.00 on a 4.00 scale to complete the program. Any graduate course in which a grade of less than B- is earned must be repeated. The grading in all foundation courses is done on a Pass/Fail basis and is not counted toward the student's cumulative

GPA. Students required to complete a number of foundation courses cannot take courses that are more advanced before passing those required courses, unless approved by the Program Coordinator.

In order to become more familiar with the business sector, students in the MBA program are encouraged to complete structured internships. These internships are generally taken during vacation and summer periods. This professional experience enhances course participation and can assist in the selection of the topic for the MBA Final Project.

MBA Content

MBA Foundation Courses (up to 14 SCH)

Course code	Course Name
ACC 2151	Introduction to Accounting
ECO 2351	Introduction to Economics
FIN 3151	Introduction to Finance
FAS 2201	Graduate Study Skills
GBU 2351	Business Statistics and Quantitative Methods
MKT 3151	Introduction to Marketing
MGT 3151	Introduction to Management

Students with at least a four-year undergraduate degree may waive one or more foundation courses if they can demonstrate that they have completed an equivalent course with a C grade or better.

MBA Core Courses (24 SCH)

Course code	Course Name
ACC 5302	Managerial Accounting
ECO 5305	Managerial Economics
FIN 5305	Financial Management
GBU 5306	Business Decision Making and Management Science
MGT 5305	Organization Behavior and Leadership
MGT 5306	Strategic Management in Global Markets
MIS 5301	Managing Information Systems in Organizations
MKT 5305	Advanced Marketing Management

Concentration Courses, MBA (9 SCH)

Students may select three courses from the following concentrations:

- Finance
- Marketing
- Management
- Logistics and Supply Chain Management
- General Business

A student may choose to have a concentration in General Business. In this case, the student selects any three graduate courses from the business discipline.

The availability of courses may vary by semester and discipline. A course is offered only if there is a minimum number of students enrolled in it.

Concentration in Finance

An MBA concentration in Finance is designed for those students who wish to be involved in financial institutions or in the financial management of organizations.

Emphasis is placed on both corporate financial practices and national and international capital markets in which financial assets are created and traded. By stressing theory and methods of analysis, this concentration provides the student with the tools for dealing with important practical financial issues.

Students choose three courses from the following (9 SCH):

Course code	Course Name
ACC 5305	Intermediate Financial Accounting
ACC 5306	Auditing Theory and Practice
ACC 5399	Special Topics in Accounting
FIN 5306	International Finance
FIN 5307	Management of Financial Institutions
FIN 5308	Market Securities Analysis and Portfolio Management
FIN 5309	Financial Risk Management
FIN 5310	Derivative Securities Analysis
FIN 5311	Money and Capital Markets
FIN 5312	International Banking Operations
FIN 5313	Advanced Corporate Finance
FIN 5314	Capital Budgeting
FIN 5399	Special Topics in Finance

Concentration in Marketing

An MBA concentration in Marketing is designed for those students who wish to be involved in the management of marketing activities. Emphasis is placed on basic concepts of marketing operations and strategic planning. This concentration prepares students to help organizations decide which products and services they should provide. They also prepare students to provide guidance regarding consumer demographics and product or service promotion, pricing, and sales generation.

Students choose three courses from the following (9 SCH):

Course code	Course Name
MKT 5301	Marketing Management for the Digital Age
MKT 5302	Fundamentals of Digital and Social Media Marketing
MKT 5303	Digital Brand Management
MKT 5306	International Marketing

MKT 5307	Marketing Research
MKT 5308	Services Marketing
MKT 5309	Strategic Market Planning
MKT 5311	Web and Social Media Marketing and Analytics
MKT 5315	Product Management and Marketing
MKT 5316	Advanced Consumer Behavior
MKT 5399	Special Topics in Marketing

Concentration in Management

An MBA concentration in Management is designed for those students who wish to be involved in the management of organizations. Emphasis is placed on organizations and their people, environment, and resources. This concentration offers courses in all aspects of management and human resources, strategy, operations, etc., and provides a framework for understanding the organization of the firm.

Students choose three courses from the following (9 SCH):

Course code	Course Name
GBU 5305	Business Ethics and Corporate Governance
GBU 5307	Entrepreneurial Management
MGT 5304	Quality Management
MGT 5307	Human Resource Management
MGT 5310	Risk and Crisis Management
MGT 5311	Diversification and Merger Strategies
MGT 5312	Power Politics and Leadership for Global Managers
MGT 5313	Management of Change
MGT 5314	International Business Strategy
MGT 5315	Project Management
MGT 5321	e-Business Management and the Net Economy
MGT 5399	Special Topics in Management
MKT 5315	Product Management and Marketing
SCM 5301	Logistics and Supply Chain Management

Concentration in Logistics and Supply Chain Management

An MBA concentration in Logistics and Supply Chain Management is designed to provide students with the knowledge of logistics, operations, and supply chain management in order to pursue careers within the manufacturing, transport, service, and retail industry sectors. This program examines the chain of enterprises engaged in moving products, services, or information from initial suppliers through various stages of transformation to the ultimate client or customer.

Students choose three courses from the following (9 SCH):

Course code	Course Name
GBU 5313	Data Mining
GBU 5314	Simulation Modeling and Analysis
GBU 5315	Econometric Tools for Supply Chain Management
MGT 5304	Quality Management
MGT 5315	Project Management
MGT 5399	Special Topics in Management
SCM 5301	Logistics and Supply Chain Management
SCM 5302	Logistics of Transportation and Distribution
SCM 5303	Inventory Management and Production Planning
SCM 5304	Information Technology for the Supply Chain
SCM 5305	Strategic Supply Chain Management

MBA Final Project (GBU 5320) (3 SCH)

All SBA graduate students are required to complete the MBA Final Project (GBU 5320) during their final semester of studies. It is highly recommended that students' final projects relate to their selected concentration. Students must submit a proposal for their final project no later than the semester preceding their last semester of study. As part of the proposal preparation, students are required to complete the Research Methodology Seminar (GBU 5020). This seminar consists of weekly class meetings during the semester with the goal of developing a detailed proposal for the final project.

Generally, the MBA Final Project involves a detailed analysis of a specific business issue and may include applied research or a business problem-solving an issue with a case study. These two options help accommodate diverse student interests and needs. In the first case, students are expected to select a problem, analyze the problem, and provide solutions to the problem. The business project, a second option, requires in-depth research into a specific business realm.

Students are required to work with a faculty supervisor in developing the final project case analysis. The expected duration for the MBA Final Project is approximately one semester. Students must submit a final report in written form according to the SBA Final Project template requirements.

Once the written report of the MBA Final Project is approved by the examining committee, students must pass an oral examination, which includes a presentation of their project.

Option 1: Case Analysis

This option involves a detailed analysis of a current business issue and may include applied research, business problem solving, or new business creation. Students are expected to select a problem, analyze the problem, and provide potentially feasible solutions to the problem. It is highly advisable that students work with a professor in developing the case analysis. Students are evaluated on their ability to analyze the problem and propose solutions or the need for

further analysis.

Option 2: Business Project

This option requires an in-depth research project, conducted under the supervision of an SBA faculty member. At a minimum, the Business Project should address the following:

- Identification of a topic for a Business Project
- Statement of the objectives of the study
- Determination of the method(s)
- Collection of data and information
- Analysis and discussion of results
- Conclusions and perspectives
- References and Sources

Sample Study Plan (3 semesters)

The MBA program can be completed in three semesters if a student has no foundation course requirements and utilizes the break before the final semester to make significant progress on the final project. The sample plan below assumes that a student has fulfilled all foundation requirements prior to entry into the MBA program.

Semester 1

Course Code	Course Name
ACC 5302	Managerial Accounting
FIN 5305	Financial Management
GBU 5306	Business Decision Making and Management Science
MKT 5305	Advanced Marketing Management

Semester 2

Course Code	Course Name
ECO 5305	Managerial Economics
GBU 5020	Research Methodology Seminar
MGT 5305	Organizational Behavior and Leadership
TBD[1]	Concentration Course 1
TBD[1]	Concentration Course 2

Semester 3

Course Code	Course Name
GBU 5320	MBA Final Project
MGT 5306	Strategic Management in Global Markets
MIS 5301	Managing Information Systems in Organizations
TBD[1]	Concentration Course 3

[1]TBD = To Be Determined

Total Minimum SCH Requirement for the MBA: 36 SCH

Post-Experience Graduate Programs

Master of Business Administration (Part-Time)

The Master of Business Administration program at Al Akhawayn University provides a high-quality graduate degree program to students with undergraduate degrees. It targets professionals who aspire to become successful managers and leaders in the global economy through developing their general knowledge and abilities, educating them in the broad scope of business administration, and providing them with the possibility of in-depth knowledge in one area of specialization.

The MBA program is offered in a part-time format in collaboration with the Executive Education Center Casablanca (EECC).

Intended Learning Goals and Objectives of the MBA Program

The mission-driven learning goals and objectives of the MBA program are as follows:

- Apply decision-making tools, techniques, and analyses with the purpose of making sound managerial recommendations.
- Communicate professionally and work effectively within a diverse team.
- Manage group and individual behaviors in organizations.
- Apply the most appropriate style of leadership needed to solve complex business problems.
- Address ethical dilemmas in a socially responsible manner.
- Evaluate and design creative business strategies that consider local and global perspectives.

Admission Requirements

Prospective students may only apply to one degree program at Al Akhawayn University in any given application period. Students may transfer up to nine SCH (three courses) to the part-time MBA program from other graduate programs.

Applicants admitted to this program may not be simultaneously enrolled in other graduate programs. Applicants should contact the Executive Education Center Casablanca (EECC) if they have any questions regarding eligibility. Application for admission to the part-time MBA program may be obtained from the Executive Education Center Casablanca (EECC). The EEC accepts applications for admission for both fall and spring semesters.

Applicants are asked to provide two recommendation letters, a statement of corporate support, an acceptable TOEFL score (not required for applicants holding an undergraduate degree from an institution where English is the primary language of instruction), official transcripts, and completed application forms.

The Graduate Admissions Committee reviews completed applications and sets interviews with the promising candidates. The results are communicated to the

applicants through the Enrollment Services.

MBA Degree Requirements

Depending on their undergraduate background, students may be required to take foundation courses to prepare for their business studies. Admission to the part-time MBA may be conditional on successful completion of the foundation courses.

Courses in management are not required for admission, although students are expected to have a satisfactory background in communication skills, computer applications (including word processing and spreadsheets), and mathematics. Before enrolling, however, applicants must:

- Hold at least a bachelor's degree (or an equivalent degree) with the equivalent of a minimum B standing.
- Have a minimum TOEFL score (or equivalent). Eligible applicants with a TOEFL score below 550 (or equivalent) are required to complete adequate English courses successfully. The English requirement is waived for students holding an undergraduate degree from institutions where English is the primary language of instruction.
- GMAT is highly recommended.
- Have full-time work experience after earning a bachelor's degree or equivalent degree. Candidates should have strong potential for high-level leadership positions in their current organization.
- Should have the support of their employer regarding release time from work obligations, if needed, to attend and participate in class sessions. The part-time MBA class sessions are usually held every other weekend on Saturday and Sunday mornings. Each module (except foundation courses) consists of three weekends. Sometimes courses are offered in a block of five days when the professor is a visiting scholar from international partner institutions. Participants in the part-time MBA program will take between 18-24 months to complete the program. All courses use a blend of case studies, exercises, discussions, group work, and lectures.

The MBA program requires a minimum of 36 semester credit hours (SCH), which include 33 credits of course work and 3 credits for the MBA final project. A student with a business-related undergraduate degree could normally complete the MBA program within 18 months. However, students whose undergraduate degree is other than a business-related degree would take longer as they may need to complete up to 6 foundation courses to satisfy prerequisites and prepare for core courses in the MBA program.

Part-Time MBA Program Content

The MBA program consists of 8 core courses, 3 concentration courses, and the MBA final project within the chosen concentration. Students who lack the academic background in business are required to take one or more of the 6 foundation courses. All foundation courses must be passed with the equivalent of a B- grade or better.

Students must earn and maintain a CGPA of at least 3.00 on a 4.00 scale to

complete the program. Any graduate course in which a grade of less than B- is earned must be repeated. The grading in all foundation courses is done on the Pass/Fail basis and will not be counted toward the student's cumulative GPA. Students who are required to complete a number of foundation courses cannot take courses that are more advanced before passing the foundation courses required, unless approved by the program coordinator. The MBA program consists of:

1. 8 core courses
2. 3 concentration courses
3. MBA Final Project

A concentration may be open only if there are enough students.

Foundation Courses[1], MBA (up to 9 SCH):

Course Codes	Course Names
ACC 2201	Foundations of Accounting
ECO 2201	Foundations of Economics
FIN 3101	Foundations of Finance
GBU 3201	Basics of Quantitative Methods
MGT 3101	Foundations of Management
MKT 3101	Foundations of Marketing

[1]Students with at least a four-year undergraduate degree may waive one or more foundation courses if they can demonstrate that they have completed an equivalent course with a C grade or better.

Core Courses, MBA (24 SCH)

Course Codes	Course Name
ACC 5302	Managerial Accounting
ECO 5305	Managerial Economics
FIN 5305	Financial Management
GBU 5020	Research Methodology Seminar
GBU 5306	Business Decision Making and Management Science
GBU 5320	MBA Final Project
MGT 5305	Organizational Behavior and Leadership
MGT 5306	Strategic Management in Global Markets
MIS 5301	Managing Information Systems in Organizations
MKT 5305	Advanced Marketing Management

Concentration Courses, MBA (9 SCH)

Students may select three courses from the following concentrations:

- Finance
- Marketing
- Management
- Logistics and Supply Chain Management
- General Business

A student may choose to have a concentration in General Business. In this case, the student selects any three graduate courses from the business discipline.

The availability of courses may vary by semester and discipline. A course is offered only if there is a minimum number of students enrolled in it.

Concentration in Finance

An MBA concentration in Finance is designed for those students who wish to be involved in financial institutions or in the financial management of organizations. Emphasis is placed on both corporate financial practices and national and international capital markets, where financial assets are created and traded. By stressing theory and methods of analysis, this concentration provides the student with the tools for dealing with important practical financial issues.

Students may choose three courses from the following:

Course Codes	Course Name
ACC 5305	Intermediate Financial Accounting
ACC 5307	Auditing Theory and Practice
ACC 5399	Special Topics in Accounting
FIN 5306	International Finance
FIN 5307	Management of Financial Institutions
FIN 5308	Market Securities Analysis and Portfolio Management
FIN 5309	Financial Risk Management
FIN 5310	Derivative Securities Analysis
FIN 5311	Money and Capital Markets
FIN 5312	International Banking Operations
FIN 5313	Advanced Corporate Finance
FIN 5314	Capital Budgeting
FIN 5399	Special Topics in Finance

Concentration in Marketing

An MBA concentration in Marketing is designed for those students who wish to be involved in the management of marketing activities. Emphasis is placed on concepts of marketing operations and strategic planning. This concentration prepares students to help organizations decide which products and services it should provide, as well as guidance on consumer demographics and product or service promotion, pricing, and sales generation.

Students may choose three courses from the following:

Course Codes	Course Name
MKT 5306	International Marketing
MKT 5307	Marketing Research
MKT 5308	Services Marketing
MKT 5309	Strategic Marketing Planning
MKT 5310	Advertising and Promotion Management

MKT 5315	Product Management and Marketing
MKT 5316	Advanced Consumer Behavior
MKT 5399	Special Topics in Marketing

Concentration in Management

An MBA concentration in Management is designed for those students who wish to be involved in the management of organizations. Emphasis is placed on organizations and their people, environment, and resources.

This concentration offers courses in all aspects of management and human resources, strategy, operations, etc., and provides a framework for understanding the organization of the firm.

Students may choose three courses from the following:

Course Code	Course Name
GBU 5305	Business Ethics and Corporate Governance
GBU 5307	Entrepreneurial Management
MGT 5304	Quality Management
MGT 5307	Human Resource Management
MGT 5310	Risk and Crisis Management
MGT 5311	Diversification and Merger Strategies
MGT 5312	Power, Politics, and Leadership for Global Managers
MGT 5313	Management of Change
MGT 5314	International Business Strategy
MGT 5315	Project Management
MGT 5321	E-Business Management and the Net Economy
MGT 5399	Special Topics in Management
MKT 5315	Product Management and Marketing
SCM 5301	Logistics and Supply Chain Management

Concentration in Logistics and Supply Chain Management

An MBA concentration in Logistics and Supply Chain Management is designed to provide students with the knowledge in logistics, operations, and supply chain management in order to pursue careers within the manufacturing, transport, service, and retail industry sectors. This program examines the chain of enterprises engaged in moving products, services, or information from initial suppliers, through various stages of transformation to the ultimate client or customer.

Students may choose three courses from the following:

Course Codes	Course Name
GBU 5313	Data Mining
GBU 5314	Simulation Modeling and Analysis
GBU 5315	Econometric Tools for Supply Chain Management
MGT 5304	Quality Management

MGT 5315	Project Management
MGT 5399	Special Topics in Management
SCM 5301	Logistics and Supply Chain Management
SCM 5302	Logistics of Transportation and Distribution
SCM 5303	Inventory Management and Production Planning
SCM 5304	Information Technology for the Supply Chain
SCM 5305	Strategic Supply Chain Management

MBA Final Project (3 SCH)

All SBA graduate students are required to complete an MBA Final Project (GBU 5320) during their final semester of studies. It is highly recommended that students' final projects relate to their selected concentrations. Students must submit a proposal for their final projects no later than the semester preceding their last semester of study. As part of the proposal preparation, students are required to complete the Research Methodology workshop. The goal of this workshop is for students to develop a detailed proposal for the final project. Generally, the MBA final project involves a detailed analysis of a specific business issue and may include applied research or a business problem-solving an issue with a case study. Students are expected to select a problem, analyze the problem, and provide potentially feasible solutions to the problem. Students are required to work with a faculty supervisor in developing the case analysis.

The expected duration for the MBA final project is approximately one semester. Students must submit a final report in written form according to the SBA final project template requirements. Once the written report of the MBA final project is approved by the examining committee, students must pass an oral examination, which includes a presentation of their project.

More details about the options for the final project to account for the diversity of students in the program are as follows:

Option 1: Case Analysis

This option involves a detailed analysis of a current business issue and may include applied research, business problem-solving, or a new business creation.

Students are expected to select a problem, analyze the problem, and provide potentially feasible solutions to the problem. It is highly advisable that students work with a professor in developing the case analysis.

Students are evaluated on their ability to analyze the problem and propose solutions or the need for further analysis.

Option 2: Business Project

This option requires an in-depth research project, conducted under the supervision of an SBA faculty member. At a minimum, the Business Project should address the following:

- Identification of a topic for a Business Project
- Statement of the objectives of the study

- Determination of the method(s)
- Collection of data and information
- Analysis and discussion of results
- Conclusions and perspectives
- Reference and sources

Executive Master of Business Administration

The Executive MBA is geared toward high potential managers. The program is based on a practical, hands-on, and pragmatic examination of modern management models and practices in a global context. The Executive MBA faculty is composed of AUI professors and internationally recognized executive education instructors to deliver a world-class standard while maintaining a strong focus on Moroccan business issues and cases. The Executive MBA includes an introductory boot camp to review fundamental business concepts, innovative teaching methods utilizing a combination of theory and practice to enhance the core curriculum, two global immersion trips, and an integrative Capstone Experience which includes the final project.

Intended Learning Outcomes of the Program

- Build trust and influence stakeholders
- Think strategically toward opportunities in local and global markets
- Inspire and engage their team to achieve critical objectives of the organization
- Communicate effectively in English
- Align systems and processes in organizations
- Combine knowledge and extensive experiences to address organizational challenges

Program Admission Requirements

To be eligible for admission to the Executive MBA program, an applicant must fulfill the following conditions:

- Hold at least a bachelor's degree (or an equivalent degree) with the equivalent of a minimum B standing. Accordingly, the School of Business Administration reserves the right to review the academic records of applicants to determine whether the academic credentials presented qualify for consideration.
- Have full-time work experience after earning a bachelor's degree or equivalent degree. Candidates typically have a minimum of six years of work experience in a managerial position before applying for the Executive MBA.
- Demonstrate strong potential for high-level leadership positions.
- Have a minimum TOEFL score of 530 (or equivalent). Eligible applicants with a TOEFL score below 530 (or equivalent) are required to complete appropriate English courses successfully. The English

requirement is waived for students holding an undergraduate degree from institutions where English is the primary language of instruction.

- Completion of the GMAT is highly recommended
- Admission intakes to the Executive MBA are only once a year in the spring semester.

Program Delivery Format

Class sessions meet three consecutive days a month: Thursday, Friday, and Saturday. Students in the Executive MBA program will take between 16-20 months to complete. All courses use a blend of case studies, exercises, discussions, workgroups, and lectures.

Executive MBA Time Requirement

The Executive MBA program requires 38 semester credit hours of course work, including 4 semester credit hours of essential business competencies in a one-week boot camp (GBU 6401) before registration in the core courses.

Executive MBA Program Content Core Courses

Participants enrolled in the program are required to take all of the courses listed below:

ACC 6201	Accounting for Management Planning and Control	2 SCH
FIN 6201	Corporate Financial Management	2 SCH
GBU 6201	Global Integration I	2 SCH
GBU 6202	Global Integration II	2 SCH
GBU 6203	Entrepreneurial Thinking, Design, and Innovation	2 SCH
GBU 6204	Business Analytics: Data, Models, and Decisions	2 SCH
GBU 6205	Global Immersion Program I	2 SCH
GBU 6206	Global Immersion Program II	2 SCH
GBU 6601	Capstone Experience	6 SCH
MGT 6201	Managing Human Capital in the Organization	2 SCH
MGT 6202	CSR, Sustainability and Ethics	2 SCH
MGT 6203	Effective Negotiation Strategies	2 SCH
MGT 6204	Leading Organizations	2 SCH
MGT 6205	Managing Global Operations and Supply Chain	2 SCH
MKT 6201	Strategic Marketing	2 SCH

Global Immersion Trips

Program participants are required to participate in two one-week international study trips. The two trips will include two EMBA module (courses), plus activities such as meeting executives, field trips to companies, networking, and seminars.

Final Project

The final project is an integral part of the EMBA program and must be completed satisfactorily before participants are eligible to graduate. It provides an ideal opportunity to build on what they have already learned. The primary aim is to enhance their own learning in an area of their choice. Participants are encouraged to undertake projects within their respective organizations.

Master of Science in Digital Marketing and Analytics (MSDMA)

The Master of Science in Digital Marketing and Analytics (MSDMA) is a graduate degree program that provides a real-world understanding of the main pillars around the employment of a digital marketing strategy and how an active strategic vision can convey substantial value to corporations. The proposed MSDMA is inventive in that it provides a profound understanding of how an added value can be created in the digital world. Becoming proficient in Digital Business Simulations is crucial to confront digital transformation and start generating state-of-the-art strategies for firms. The proposed master's degree reinforces the role of AUI as a leading Moroccan institution in higher education and more importantly, underpins its focus on liberal arts academic programs.

Intended Learning Outcomes

Upon completion of the MSDMA, students will be able to:

- Demonstrate conceptual understanding of digital marketing ethics.
- Assess the rationality and validity of responsible digital marketing strategies, and their importance to the current business environment.
- Develop and apply effective marketing analytical methods for accessing existing data and information, and generate new data where necessary. Articulate complex information focused on basic insight and experience, using a range of marketing analytics and approaches suited to various contexts and circumstances.
- Present analytical and managerial skills in the application of digital marketing expertise, along with a realistic understanding of how well-developed marketing analytics are used to achieve sustainable business growth.
- Demonstrate the attributes and transferable skills required for leadership, including the exercise of initiatives and personal responsibility, self-direction, and originality in resolving and addressing business issues, and function independently in planning and implementing tasks at a professional manner.
- Generate innovative and creative approaches and technology applications in a specialist marketing field that informs decisions, generates ideas, and suggests solutions that consider stakeholders' needs in a competitive and challenging Moroccan business environment.
- Demonstrate the systematic awareness and understanding of current digital marketing, analytics, and practice in a global context.

Admission Requirements

Hold at least a bachelor's degree or an equivalent degree (Baccalaureate + 3 or 4) with the equivalent of a minimum B standing. Accordingly, Al Akhawayn University reserves the right to review the academic records of applicants and to determine whether the academic credentials presented qualify for consideration.

- Some professional experience.
- Candidates who did not complete a four-year bachelor at a university where English is not the primary language of instruction must submit an adequate score in the Test of English as a Foreign Language (TOEFL). Information regarding the TOEFL is available from Amideast in Rabat. An institutional TOEFL test can also be taken at Al Akhawayn University.
- GMAT is highly recommended.
- Interview.
- Complete admissions application.

Exit Requirements

- Pass all program courses with a minimum "B" grade
- Pass the Final Professional Project

Status and Venue

The Master of Science in Digital Marketing and Analytics (MSDMA) is offered in both full-time format in Ifrane and part-time format, in collaboration with the Executive Education Center Casablanca.

Program Structure

The MSDMA program consists of 10 courses, including 7 core courses, 2 electives, and the professional final project. Students who lack an academic background in business are required to take one or more of the 6 foundation courses. All foundation courses must be passed with at least 80 percent. Students must earn and maintain a CGPA of at least 3.00 on a 4.00 scale to complete the program. The grading in all foundation courses is done on a Pass/Fail basis and will not be counted toward the student's cumulative GPA. Any graduate course in which a grade of less than "B-" is earned must be repeated. Students who are required to complete a number of foundation courses must complete those courses before taking more advanced courses, unless approved by the program coordinator.

Foundation Courses

Course Code	Course Name
ACC 2151	Introduction to Accounting
ECO 2351	Introduction to Economics
FAS 2201	Graduate Study Skills
FIN 3151	Introduction to Finance

GBU 2351	Business Statistics and Quantitative Methods
MGT 3151	Introduction to Management
MKT 3151	Introduction to Marketing

Core Courses

Course Code	Course Name
GBU 5313	Data Mining
GBU 5314	Simulation Modeling and Analysis
MKT 5301	Marketing Management for the Digital Age
MKT 5302	Fundamentals of Digital and Social Media Marketing
MKT 5303	Digital Brand Management
MKT 5307	Marketing Research
MKT 5311	Web and Social Media Marketing and Analytics

Elective Courses

Two elective courses can be chosen from the following list:

Course Code	Course Name
GBU 5308	E-commerce
MKT 5306	International Marketing
MKT 5308	Services Marketing
MKT 5310	Advertising and Promotion Management
MKT 5316	Advanced Consumer Behavior
MKT 5399	Special Topics in Marketing

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

Dr. Abdelkrim Marzouk,
Dean
Dr. Abderrahim Agnaou,
Undergraduate Academic Coordinator
Dr. Derek L. Elliott,
Graduate Program Coordinator

Faculty: K. Achibat, A. Agnaou, N. Amakhmakh, A. Azeriah, A. Bada, S. Bigliardi, P. S. Borkowski, R. V. Borkowski, A. Boudihaj, M. Bounajma, M. Bouanani, D. Bouyahya, A. Chekayri, J. Correa, K. Darmame, V. Dragojlov, N. El Alami, A. EL Kadoussi, A. El Kharoufi, D. Elliott, L. El Mortaji, S. Ennahid, A. Fatmi, M. Festa, K; Gajjar, M. Gansinger, L. Ghechi, A. Hajji, C. Harboun, N. Houki, A. Kabel, J. Kalpakian, D. Lounnas, F. D. Loustau-Williams, P. Love, S. Maderious, D. Maghraoui, H. Marbouh, A. Marzouk, S. D. McDaniel, N. Messari, J. Mike, F. Mohamed, K. Moustaghfir, R. Newman, K. Oumlil, W. Park, B. Popova, T. Robb, N. Santos, J. Shoup, K. Stubanas, S. Trevathan, A. Werndli, J. Yim, K. Žvan-Elliott

Mission

The SHSS mission is to contribute to the development of education in the social sciences and the liberal arts in Morocco and the world. SHSS serves the entire University by providing all Al Akhawayn students with the intellectual skills and training that are the essence of a liberal arts education.

Through the rich traditions of the humanities, students gain a new respect for the heritage of creativity that surrounds and enriches their lives and their own place in that ongoing human drama. Exposure to debates, methods, and practices of the social sciences provides students with critical thinking, as well as with perspectives and tools to meet the many challenges they will face in their careers and their communities.

The School of Humanities and Social Sciences provides innovative degree programs in applied social sciences with an emphasis on interdisciplinary, critical and analytical skills, as well as practical learning. The School of Humanities and Social Sciences also has a mandate to encourage dialogue and debates among different cultures and civilizations in an academic atmosphere characterized by pluralism, mutual respect, and academic freedom.

SHSS programs in International Studies, International Studies and Diplomacy, Communication Studies, and Human Resource Development, are regularly reviewed by external validators.

Important note: *All Master's degree programs (30 SCH) can be completed in one academic year (Fall, Spring & Summer semesters). Online Foundation courses, if required, are not included.*

Combined Bachelor of Arts & Master of Arts in International Studies and Diplomacy

The combined BA/MA program allows qualified students to pass directly from the BA in International Studies to the MA in International Studies and Diplomacy. Students on this track will complete a smaller number of credits while earning both degrees. The total number of credits in the combined BA/MA program is 150 SCH.

Combined BA/MA Program Admission Requirements

Application to the combined BA/MA program is open to undergraduate students who

- Have completed 60 SCH;
- Have a minimum cumulative GPA of 3.00.

Qualified undergraduate students need to declare their intent to pursue the combined program in order to remain in the program. In order to remain in the combined BA/MA program, admitted students must also maintain a minimum cumulative GPA of 3.00. Students who fail to do so will be put on academic probation for one semester. Should the GPA continue to be below 3.00 at the end of the semester of probation, the student will be dropped from the program and will pursue the regular BA program in International Studies. The student may subsequently be admitted to the MA program through the regular procedure.

Two diplomas (BA and MA) will be issued to students upon graduation from the combined program. Students who drop out of the combined program will be granted the BA degree upon completion of the BA degree requirements, which includes the Senior Capstone.

Combined Program Degree Requirements

Students in the combined program will complete all the foundation requirements of the Master of Arts in International Studies and Diplomacy (MAISD) program during their BAIS. They will be exempted from the Senior Capstone (SSC 4302). They will be required to do the undergraduate Internship (INT 4302) according to the regular BA program, as well as a thesis or policy paper.

Combined Program Courses:

Course Codes	Course Name
INS 5303	Advanced IR Theory
INS 5304	Moroccan Foreign Policy
INS 5315	International Political Economy
SSC 5302	Multidisciplinary Research Design and Methods
SSC 5310 or INS 5392	Thesis Seminar[1] or Policy Practicum

[1]The Thesis Seminar cannot be taken abroad or on exchange.

Students then complete five optional MAISD courses (15 SCH)

Total additional SCH requirement* for combined BA/MA program: 27 SCH

*This is in addition to the credit requirements of the Bachelor of Arts Degree. The total number of credits in the combined BA/MA program is 150 SCH.

Master of Arts in International Studies & Diplomacy

The Master of Arts in International Studies and Diplomacy (MAISD) in the School of Humanities and Social Sciences seeks to respond to the growing need within Morocco to understand, analyze, and deal with issues in an international framework. It aspires to provide students with the necessary tools and knowledge to achieve this objective.

The program is designed to provide all students with essential knowledge in the foundations of the discipline (economics, history, comparative cultures, and politics), as well as with the various research and critical thinking skills necessary to analyze relevant issues. It then provides students with the opportunity to focus their study on Peace and Conflicts, Foreign Policy, and Globalization.

The program is aimed at graduates from both Al Akhawayn and other universities, career professionals interested in further training, and overseas students.

Intended Learning Outcomes

Graduates of the MAISD program are expected to

- Demonstrate knowledge of international affairs, world history, and economics;
- Master research methods relevant to international studies;
- Use and evaluate principal theories and models of international relations;
- Demonstrate knowledge in their concentrations (Peace and Conflicts, Foreign Policy and Globalization);
- Access, use, and evaluate primary and secondary sources of data; and
- Write research papers and reports, including policy papers and academic papers that critically analyze issues within the field.

Admission Requirements

All candidates must submit formal applications that will be evaluated through AUI's official selection process. Pre-selected applicants will be invited to take an oral interview. Candidates must have a minimum TOEFL score of 550 for full-time enrollment in the program. Applicants with scores of between 500 and 549 may enroll in the AUI Language Center on either a full-time or a part-time basis. Candidates from AUI must have a minimum cumulative GPA of 3.00.

Program Requirements

Foundation Courses

Students who lack an academic background in International Studies are required to take one or more of the following foundation courses. The decision

as to which foundation courses are required will be taken by the Graduate Admission Committee and will be based on the student's undergraduate transcripts. Foundation courses will be taken online.

Course Codes	Course Name
ENG 2301	Critical Writing and Communication
FAS 2210	Graduate Academic Skills
INS 2301	Theories of International Relations

The procedures for seeking exemptions from assigned foundation courses are explained in the SHSS Graduate Student Handbook. All the undergraduate foundation courses are graded on a Pass/Fail basis. If students fail two foundation courses, they are dropped from the program without the right to appeal. The failing grade will be recorded as an FR (failing and needs to repeat). A pass will be recorded as a P. Grades earned taking undergraduate foundation courses will not be computed in the student's grade point average.

Language Requirements

While the only requirement of the MAISD program is proficiency in English, students are encouraged to acquire at least intermediate-level language proficiency in either Arabic or French.

Course Work

The MA in International Studies and Diplomacy program requires 30 SCH of course work. Foundation courses that may be required of students are taken on a pass/fail basis and the credits are not counted towards the degree.

A maximum of 6 graduate credits taken at other institutions can be transferred and used towards the degree.

Academic Standing

Students in the MAISD program must maintain good academic standing (CGPA of 3.00 or higher). A student may get no more than two Cs. A third C will lead to dismissal from the program. A student dismissed for poor academic standing may apply for readmission to the program by going through the readmission procedure, which includes a letter of appeal, two letters of recommendation from program faculty, and a readmission interview.

Final Project

All students must complete a final project. This can take the form of either a policy paper or a thesis**.**

Final Project Registration

During Semester 2 (Spring), students choose a supervisor for their final project. By the end of Semester 3 (Summer), they must submit and defend their final project (thesis or policy paper).

Policy Paper

The policy paper is a document that contains an in-depth analysis of a topic of relevance to International Studies and includes policy recommendations. In drafting the policy paper, students will follow the most recent "Guidelines for SHSS Final Project" issued by the School of Humanities and Social Sciences.

The policy paper must be defended before a committee that includes an

external examiner. During their last semester, students pursuing the policy paper option must register for INS 5392 Policy Practicum.

Thesis Seminar and Thesis

The thesis is an academic document that analyzes a topic of relevance to International Studies. The thesis should include proper reference and contribution to any relevant theoretical framework and should aim to comply with the standards of peer-reviewed academic publications in the field. In drafting the thesis, students will follow the most recent "Guidelines for SHSS Final Project" issued by the School of Humanities and Social Sciences. The thesis must be defended before a committee that includes an external examiner.

MA students are required to enroll in the Thesis Seminar during the Summer semester, immediately following completion of SSC 5302 Multidisciplinary Research Design and Methods. Students take Thesis Seminar with one other remaining course. Students should start thinking about their thesis project upon entering the program and plan to begin secondary research in earnest during the semester in which they take Research Methods.

The goal of the thesis seminar is to guide students in the process of writing the thesis, rather than to find a research topic. It is important to note that the Thesis Seminar cannot be taken abroad or on exchange.

Core MAISD Courses (18 SCH)

Course Codes	Course Name
INS 5303	Advanced IR Theory
INS 5304	Moroccan Foreign Policy
INS 5306	Diplomatic Negotiation
INS 5315	International Political Economy
SSC 5302	Multidisciplinary Research Design & Methods
SSC 5310 or INS 5392	Thesis Seminar[1] or Policy Practicum

[1]The Thesis Seminar cannot be taken abroad or on exchange.

Optional Courses (12 SCH)

In addition to Core courses, students in the MAISD program take four optional courses from the list below:

Course Codes	Course Name
GEO 5311	Environment and Security
HIS 5328	Globalizations in History
INS 5310	Special Topics in International Relations
INS 5311	Geopolitics
INS 5313	Conflict Management and Resolution
INS 5351	Theories of War and Peace
INS 5356	International Aid, NGOs, and Development
PSC 5315	Water in International and Domestic Politics
PSC 5360	Foreign Policy and Security of the Middle East States
SSC 5331	International Migration and Labor

SSC 5362	Global Islam in the Contemporary World
[Elective]	MAISD students can take one 5000-level course from any program offered by the university as an elective.

Total SCH requirement for the MAISD: 30 SCH

Combined Bachelor of Arts in International Studies & Master of Arts in North African and Middle Eastern Studies

The combined BA/MA program allows qualified students to pass directly from the BA in International Studies to the MA in North African and Middle Eastern Studies. Students on this track will complete a smaller number of credits while earning both degrees. The total number of credits in the combined BA/MA program is 150 SCH.

Combined BA/MA Program Admission Requirements

Application to the combined BA/MA program is open to undergraduate students who

1. Have completed 60 SCH;
2. Have a minimum cumulative GPA of 3.00.

Qualified undergraduate students need to declare their intent to pursue the combined program in order to remain in the program. In order to remain in the combined BA/MA program, admitted students must also maintain a minimum cumulative GPA of 3.00. Students who fail to do so will be put on academic probation for one semester. Should the GPA continue to be below 3.00 at the end of the semester of probation, the student will be dropped from the program and will pursue the regular BA program in International Studies. The student may subsequently be admitted to the MA program through the regular procedure.

Two diplomas (BA and MA) will be issued to students upon graduation from the combined program. Students who drop out of the combined program will be granted the BA degree upon completion of requirements of the BA degree, which includes the Senior Capstone.

Combined Program Degree Requirements

Students in the combined program will complete all the foundation requirements of the Master of Arts in North African and Middle Eastern Studies (NAMES) program during their BAIS. They will be exempted from the Senior Capstone (SSC 4302), but they will be required to do the undergraduate Internship (INT 4302), as well as a thesis.

Combined Program Courses:

- NAMES core courses 18 SCH (see full list above)
- Optional NAMES courses 12 SCH (see full list above)

Total SCH requirement for the combined BA in International Studies / MA in NAMES 150 SCH

Master of Arts in North African and Middle Eastern Studies

The Master of Arts in North African and Middle Eastern Studies (NAMES) offers an intensive study of social sciences and humanities courses focusing on North Africa and the Middle East. The program also includes the opportunity for direct contact with the realities of the field and with social actors and stakeholders. The program takes advantage of the school's faculty expertise in the region, as well as their experience in teaching diverse student bodies.

The program is intended to address the needs of students who want to become specialists in this region by learning about its culture, history, economy, and politics. Students come from different academic backgrounds, including International Studies, International Relations, Political Science, Anthropology, Economics, Sociology, Mediterranean Studies, and Middle Eastern Studies.

Intended Learning Outcomes

Graduates of the NAMES program are expected to (1) demonstrate knowledge of the history and society (including religions) of the NAME region; (2) be able to analyze contemporary issues in the region using social science theories and methods; (3) be able to assess critical scholarship on the region and to assess the theoretical orientation of different authors; and (4) be able to write critically and analytically on issues of the region.

Admission Requirements

All candidates must submit formal applications to the University. Selection criteria includes a BA degree with a GPA of 3.0 or equivalent. Non-native speakers of English or those who do not have a degree from an English medium university are required to have a minimum TOEFL score of 550 (or equivalent) for full-time enrollment in the program; applicants with scores between 500 and 549 may enroll in the AUI Language Center on either a full time or part-time basis. During their English language training, they cannot take any content courses, but may take not-for-credit Arabic language courses.

Program Requirements

For students who come to the program with adequate preparation, the normal duration of the program is one academic year, consisting of three full-time semesters (fall, spring & summer). A minimum of 30 graduate credit hours are required for graduation. In addition, students must submit and defend a thesis. Students who do not enroll full time every semester, who require foundation courses, or who fail one or more courses would require more than one year to finish the program.

Foundation Courses

Students who lack an academic background in NAMES may be required to take one or two foundation courses. The decision as to which foundation courses are required will be taken by the Graduate Admission Committee and will be based primarily on the student's undergraduate transcripts. Foundation courses will be taken online in the semester prior to beginning the NAMES program.

Course Codes	Course Name
FAS 2210	Graduate Academic Skills
HIS 2302	Modern North Africa and the Middle East

The procedures for seeking exemptions from assigned foundation courses are explained in the SHSS Graduate Student Handbook. All foundation courses are graded on a Pass/Fail basis. If students fail two foundation courses, they are dropped from the program without the right to appeal. The failing grade will be recorded as an FR (failing and needs to repeat). A pass will be recorded as a P. Grades earned taking undergraduate foundation courses will not be computed in the student's grade point average.

Language Requirements

While the only language requirement of the NAMES program is proficiency in English, students are encouraged to acquire at least intermediate-level language proficiency in either Arabic, French, or another language of relevance for research prior to beginning the program.

Thesis Seminar and Thesis

The thesis is an academic document that analyzes a topic of relevance to NAMES. The thesis should include proper reference and contribution to any relevant theoretical framework and should aim to comply with the standards of peer-reviewed academic publications in the field. In drafting the thesis, students will follow the guidelines in the SHSS Graduate Handbook.

MA students are required to enroll in the SSC 5310 Thesis Seminar in the summer semester, immediately following completion of SSC 5302 Multidisciplinary Research Design and Methods. Students take the Thesis Seminar with one other remaining course.

Students should start thinking about their thesis project upon entering the program and plan to begin secondary research in earnest during the semester in which they take SSC 5302. The goal of the thesis seminar is to guide students in the process of writing the thesis, rather than to find a research topic. It is important to note that the Thesis Seminar cannot be taken abroad or on exchange.

Required Courses (18 SCH)

Course Codes	Course Name
HIS 5361	History of North Africa
INS 5362	Graduate Seminar in NAMES
PSC 5370	North African Government and Politics
SSC 5302	Multidisciplinary Research Design & Methods
SSC 5305	Gender in the Modern Middle East & North Africa
SSC 5310	Thesis Seminar[1]

[1]The Thesis Seminar cannot be taken abroad or on exchange.

Optional Courses (12 SCH)

In addition to the six Core courses above, students in the NAMES program take six Optional courses from the list below, which vary each academic year depending on student interests and faculty availability:

Course Codes	Course Name
HIS 5311	Modern Imperialism and its Culture
HIS 5312	Case Study in North African History
HIS 5325	Colonization and Decolonization in North Africa and the Middle East
HUM 5310	Amazigh History and Culture
HUM 5312	Popular Culture in North Africa
HUM 5323	Society & Politics in North African Literature and Film
HUM 5360	Issues in Contemporary Islam
INS 5361	Political Economy of North Africa and the Middle East
INS 5399	Special Topics in North African and Middle Eastern Studies
PSC 5350	Middle Eastern Politics
PSC 5360	Foreign Policy and Security of the Middle East States
SSC 5304	North African Migration and Immigrant Communities
SSC 5351	North African Cities
SSC 5362	Global Islam in the Contemporary World
TMZ 1301	Beginning Tamazight I
TMZ 1302	Beginning Tamazight II
[Elective]	NAMES students can take one 5000-level course from any progran offered by the university as an elective

Total SCH requirement for the MA in NAMES: 30 SCH

Master of Arts in Islamic Religious Studies

Program Description

The Master of Arts in Islamic Religious Studies (MAIRS) is designed to provide students with an advanced knowledge of issues related to Islam and the role of religion in society. The program focuses on the study of religion from the perspective of the social sciences and humanities, rather than from the perspective of theology or religious doctrine. The program is intended to address the needs of students who are interested in deepening their knowledge of Islamic religious traditions and would like to do so primarily in English using approaches drawn from the social sciences and humanities. Students could either aim to complement a religious or spiritual interest in these topics with this academic program or to pursue careers as analysts, consultants, advisors on religious affairs, as well as going on to enroll in international PhD programs in related fields.

Intended Learning Outcomes

Graduates of the MAIS program should be able to:

- Understand and analyze the role of religion in the contemporary global

context;

- Understand the origins and development of Islam since the seventh century;
- Understand how Islam is situated in the 21st century global community; and
- Engage in sophisticated inter-religious dialogue both within and outside the Muslim world.

Admission Requirements

All candidates must submit formal applications to the University. Preselected applicants will be invited to take an oral interview (distance interviews can be arranged upon request). Selection criteria includes a BA degree with a GPA of 3.0 or equivalent.

Non-native speakers of English or those who do not have a degree from an English medium university are required to have a minimum TOEFL score of 550 (or equivalent) for full-time enrollment in the program; applicants with scores between 500 and 549 may enroll in the AUI Language Center on either a full time or part-time basis. During their English language training, they cannot take any content courses, but may take not-for-credit Arabic language courses.

Program Requirements

The normal duration of the program is one academic year, consisting of three full-time semesters (Fall, Spring & Summer). A minimum of 30 graduate credit hours are required for graduation. In addition, students must submit and defend a Master's thesis.

Foundation Courses

Students who lack an academic background in Religious Studies are required to take one or two foundation courses. The decision as to which foundation courses are required will be taken by the Graduate Admission Committee and will be based on the student's undergraduate transcripts. Foundation courses will be taken online.

Course Codes	Course Name
FAS 2210	Graduate Academic Skills
HUM 2306	Comparative Religion

The procedures for seeking exemptions from assigned foundation courses are explained in the SHSS Graduate Student Handbook. All the undergraduate foundation courses are graded on a Pass/Fail basis. If students fail two foundation courses, they are dropped from the program without the right to appeal. The failing grade will be recorded as an FR (failing and needs to repeat). A pass will be recorded as a P. Grades earned taking undergraduate foundation courses will not be computed in the student's grade point average.

Language Requirements

While the only requirement of the MAIRS program is proficiency in English, students are encouraged to acquire at least intermediate-level language proficiency in Arabic.

Required Courses (9 SCH)

Course Codes	Course Name
HUM 5361	Islamic Studies Graduate Seminar
SSC 5302	Multidisciplinary Research Design & Methods
SSC 5310	Thesis Seminar[1]

[1]The Thesis Seminar cannot be taken abroad or on exchange.

Optional Courses (21 SCH)

In addition to the four Core courses, students in the MAIRS program take seven optional courses from the list below:

Course Codes	Course Name
HIS 5364	Issues in the History of the Muslim World
HUM 5321	Islamic Art and Architecture
HUM 5360	Issues in Contemporary Islam
HUM 5362	Introduction to the Quran and Biography of the Prophet
HUM 5363	Introduction to Islamic Jurisprudence & Creed
HUM 5365	Mysticism and Sufism
HUM 5366	Contemporary Issues in Theology
HUM 5367	Contemporary Issues in Jurisprudence
HUM 5369	Special Topics in Islamic Studies
SSC 5351	North African Cities
SSC 5361	Social Science Approaches to Religion
SSC 5362	Global Islam in the Contemporary World
SSC 5363	Islam and Economics
SSC 5364	Women and Islam: Contemporary Debates
SSC 5366	New Religious Movements
	One elective from any graduate program

Total SCH requirement for the MA in MAIRS: 30 SCH

Thesis Seminar and Thesis

The thesis is an academic document that analyzes a topic of relevance to MAIRS. The thesis should include proper reference and contribution to any relevant theoretical framework and should aim to comply with the standards of peer-reviewed academic publications in the field. In drafting the thesis, students will follow the most recent “Guidelines for SHSS Final Project” issued by the School of Humanities and Social Sciences. The thesis must be defended before a committee that includes an external examiner.

MA students are required to enroll in the thesis seminar during the Summer semester, immediately following completion of SSC 5302 Multidisciplinary Research Design and Methods. Students take the Thesis Seminar with one other remaining course. Students should start thinking about their thesis project upon entering the program and plan to begin secondary research in

earnest during the semester in which they take Research Methods.

The goal of the thesis seminar is to guide students in the process of writing the thesis, rather than to find a research topic. It is important to note that the Thesis Seminar cannot be taken abroad or on exchange.

Master of Science in Human Resource Development

The Master of Science in Human Resource Development (MSHRD) aims to develop HRD Professionals and Specialists able to identify strategic individual and organizational capabilities and leverage them through different developmental actions to shape individual and team leadership, build collective intelligence, foster business innovation, and achieve superior performance.

The way the program has been tailored offers trainees innovative, highly stimulating, and challenging learning experiences. The program intends to be a milestone in participants' career in which they can share ideas, learn, and grow, to make a difference to them that is not just professional, but also personal. The program builds on the two major realms of focus within HRD, namely organizational development and personnel training and development. In addition, it considers the recent extensions of HRD theory and practice to include other domains like career development, quality, and performance improvement.

The program offers foundation courses, core courses, and electives. The core courses are split up into two certificate programs: a first level program focusing on Strategic HRD and Change and an advanced certificate on Leadership and Performance Improvement. Participants also have the choice between four elective courses or two elective courses, and a research project to fulfill their degree requirements.

Intended Learning Outcomes

In completing the Master of Science in HRD, participants will develop the following competences:

1. Understand the trends affecting business environment and human resource development;
2. Recognize the increasing importance of human resource development in management;
3. Participate in and support organizational strategic planning;
4. Design HRD strategies and actions to support the effective achievement of organizational goals and objectives at the national and international levels;
5. Build HRD tools to leverage human and knowledge resources and to strengthen organizational capabilities;
6. Master different HRD realms and domains with their respective techniques for individual and organizational performance improvement;
7. Use information and communication technologies to support the efficiency of different HRD operations and practices;
8. Implement HRD strategies and actions in alignment with organizational

strategic plans;

9. Evaluate the financial and non-financial results of HRD strategies and actions;
10. Communicate HRD results to different stakeholders and seek their further support and participation.

Program Structure and Course Offering

The Master of Science in HRD includes foundation courses, core courses, electives, and/or a research project. The tables below detail the structure of the program.

Foundation Courses (9 SCH)

All Students must take the following foundation courses EXCEPT:

- Students holding a bachelor' degree in HRD from AUI;
- AUI graduates with a minor in HRD;
- Professionals having an experience of at least 3 years in an HR department.

Course Codes	Course Name
HRD 2300	Introduction to HRD
HRD 2301 or HRD 3302	Business Environment & Ethics for HRD or Ethics in Professional Contexts
HRD 3401	Human Capital Management

Core Courses (18 SCH)

Core courses are split up into two certificate programs:

First Level Certificate: Strategic HRD and Change (9 SCH)

Course Codes	Course Name
HRD 5312	Career Development and Talent Management
HRD 5313	Organization Development and Change
HRD 5314	Strategic HRD

Advanced Certificate: Leadership and Performance Improvement (9 SCH)

Course Codes	Course Name
HRD 5321	Leadership and Management Development
HRD 5322	Consulting for HRD
HRD 5323	Performance Management Coaching

Thesis (6 SCH)

Course Codes	Course Name
HRD 5341	Research Methods for HRD
HRD 5342	Thesis

Optional Courses (6 SCH)

Students should take two courses from the following:

Course Codes	Course Name
HRD 5311	Training and Development
HRD 5324	International HRD
HRD 5331	Needs Assessment and Organizational Effectiveness
HRD 5332	Social and Organizational Psychology
HRD 5333	HRD in Public Organizations
HRD 5334	Knowledge Management
HRD 5335	Corporate Social Responsibility
HRD 5336	HRD and Technology
HRD 5337	Employee Counseling and Wellness Services
HRD 5338	Conflict Management
HRD 5339	Special Topics in HRD

Total SCH requirement for the M.Sc. in HRD: 30 SCH

SCHOOL OF SCIENCE AND ENGINEERING

Dr. Tajje-Eddine Rachidi,
Dean
Dr. Abdelkrim Ouardaoui,
Student Affairs Coordinator
Dr. Yassine Salih Alj,
General Engineering Based Programs Coordinator
Dr. Ilham Kissani,
Engineering and Management Science Based Programs Coordinator
Dr. Nasser Assem,
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Mission

The mission of the SSE Graduate School is to foster the growth of engineering and computing knowledge and its application through education and research, with special emphasis on the development needs of Morocco. In its activities, the School seeks to:

- Attract top students and students with great potential, and to prepare them for careers in different engineering and computing related fields according to current market needs;
- Produce graduates with a strong core understanding in engineering and computing, who have the ability to continue to learn how to apply this expertise to a wide range of engineering problems;
- Prepare students to succeed as leaders, professionals, life-long learners, and responsible citizens;
- Promote research, scholarship, and creative endeavors with an emphasis on research and development, as well as innovation and entrepreneurship activities;
- Play a leadership role in the economic and social development of Morocco.

Graduate Programs

Degree Programs

The School of Science & Engineering (SSE) at AUI offers the following Master programs:

Master of Science in Software Engineering (MSSE),

Master of Engineering in Financial Technology (MEFT),

Master of Science in Digital Transformation (MSDT),

Master of Science in Big Data Analytics (MSBDA), and

Master of Science in Sustainable Energy Management (MSSEM).

The combined Bachelor/Master (BS/MS) program allows a student to jointly pursue both an MS degree and one of the BS degrees described in the Undergraduate Studies section.

Students enrolled in one of the MS programs have access to specific financial resources offered by the School, including merit scholarships and research or teaching assistantships, described in the graduate financial aid section.

Application and Admission Requirements

Applicants for graduate study must meet the University's general requirements for admission and enrollment. In order to be admitted to an MS program, candidates with a Bachelor of Science from Al Akhawayn University must submit an application file including the undergraduate transcript and two letters of recommendation from faculty. Candidates may be invited to an interview before acceptance. Admission will be decided based on overall GPA, GPA in courses in the major area, and recommendations of faculty. As a rule, applicants should have earned at least a 2.50 CGPA and a 3.00 major area GPA.

Other candidates must submit an application file showing their bachelor's degree, license, or equivalent, in computer science, engineering, mathematics, or a scientific discipline. Based on the application file, candidates may be invited to an oral interview and asked to take a placement exam. As a rule, applicants should have a 3.00 GPA or at least two mentions of "Assez Bien" (or equivalent) in their undergraduate studies.

Foundation Requirements and Courses

All admitted students must satisfy a Breadth Requirement in the core area. The AUI BSCSC degree will satisfy this Breadth Requirement for MSCSC, MSSE, MSCN, and MSISS. Other AUI graduates may be required to take additional foundation courses to satisfy the Breadth Requirement. Students will also be required to satisfy prerequisite requirements for each graduate course taken. For non-AUI students, the Breadth Requirement will be satisfied either by passing an Entrance Placement Exam or by taking remedial foundation courses. The Entrance Placement Exam for information technology-related programs covers eight areas of computer science: Computer Programming Skills, Data Structures, Analysis of Algorithms, Operating Systems, Artificial Intelligence, Computer Communications, Software Engineering, and Database Systems. Students must pass the exam in at least six of the eight areas to avoid remedial foundation courses. Students who do not pass the Entrance Placement Exam in at least six areas must take up to two semesters of foundation courses, corresponding with the areas of the exam that they have not passed.

General Requirements for MS Programs

The MS programs require 30 SCH of coursework, including a culminating experience of either an MS Project (3 SCH) or an MS Thesis (6 SCH). The MS Project option is designed for students who expect to enter (or re- enter) the job market immediately after completing their MS degree. The MS Project will normally be completed in one academic semester. The MS Thesis option is designed for candidates who may wish to continue their studies at the Ph.D. level. The MS Thesis will normally be completed in two academic semesters. The MS Project or MS Thesis should be undertaken after finishing the concentration courses for the specific program. Students can register for the MS Project or MS Thesis only after finishing at least two courses in their concentration.

1. Combined Bachelor of Science & Master of Science (BS/MS Programs)

The combined BS/MS programs allow qualified AUI students in the SSE to earn both Bachelor of Science and Master of Science degrees in a minimum of five years. This option permits a student to take graduate courses while completing undergraduate requirements. In addition, it waives the requirement for the undergraduate Capstone Design Project in favor of the graduate Master's Project. The combined BS/MS program is designed to provide the student, through a broad base of study and specific concentration courses, with a solid foundation in core areas and an in-depth expertise in one advanced area.

Combined BS/MS Program Admission Requirements

Application to this program is open to SSE undergraduate students who have completed a minimum of 48 SCH, including at least 9 SCH in major area(s) of the graduate program (and in the case of more than one major, at least 6 SCH in each graduate major area), and who have not accumulated more than 126 SCH. Admission will be decided based on overall GPA, GPA in the concentration, and faculty recommendations. Applicants must have at least a 2.5 CGPA and a 3.00 GPA in each area required by the selected master program. Admission is subject to space availability.

Requirements to Remain in the BS/MS Program

In order to remain in the combined BS/MS program, admitted students must maintain an overall cumulative GPA of 2.5 or higher and obtain at least a B- in all courses in the major area(s) (undergraduate and graduate). Otherwise, they will be dropped from the BS/MS program, although they will be able to pursue the regular BS program in their chosen major area.

Combined BS/MS Course Requirements

In order to earn a combined BS/MS degree, a student must:

1. Select an approved combination of bachelor's and master's programs. The following combinations have been approved:
    a. Any computing-based Bachelor with any Computing-based Master.
    b. Any engineering-based or (Engineering and management-based)

Bachelor and MS in Sustainable Energy Management.

2. Complete all course requirements of the BS degree program (including the minimum 30 or 32 SCH of mathematics and science), except for the Capstone Design course, and up to 6 SCH of free elective undergraduate courses;
3. Complete all course requirements of the MS degree program as specified in the Graduate Studies portion of the catalog. Students are responsible for taking all required foundation and prerequisite courses;
4. Earn an overall undergraduate GPA of at least 2.5 and a GPA of at least 3.00 in undergraduate courses that are in the area of the graduate major.

2. Master of Science in Software Engineering

The Master of Science in Software Engineering (MSSE) program is designed to provide graduate students with both the theoretical background and the practical knowledge and skills for designing and developing scalable enterprise-grade mobile and cloud applications, using software engineering principles, modern design patterns, and new paradigms of micro-services cloud and edge computing.

MSSE Program Objectives

The MSSE trains students with the ability to:

- Apply software engineering fundamentals to produce enterprise-grade software solutions;
- Integrate software components into existing software solutions;
- Apply the fundamentals of agile software development.

MSSE Admission Requirements

MSSE candidates are graduates with a bachelor's degree in computer science.

All MSSE candidates must submit formal applications to the university that will be evaluated through AUI's official selection process. Candidates will either be accepted directly or invited to conduct an oral interview (distance interviews can be arranged upon request). Selection criteria include English proficiency, GPA of the bachelor's degree or equivalent, Capstone project, and eventual work experience.

Upon admission, some students may have to take the equivalent of 12 SCH foundation courses in Computer Science.

MSSE Degree Requirements

In order to earn an MSSE degree, a student must:

1. Fulfill the 24 SCH course requirements for the MSSE, in addition to any undergraduate prerequisite courses that may be needed.
2. Complete and defend the MS Thesis (CSC 5333: 6 SCH) or MS Final Project (CSC 5343: 6 SCH) successfully.
3. Have a CGPA of at least 3.00.
4. Earn a grade of B- or better in all courses counting towards the MSSE.

MSSE Courses (24 SCH)

Course Codes	Course Name
CSC 5301	Advanced Database and Data Warehousing
CSC 5338	Human Computer Interaction/UX Design
CSC 5346	Data Engineering and Visualization
CSC 5349	AI for Digital Transformation
CSC 5358	Blockchain Application Development
CSC 5360	Agile Digital Project Management and DevOps
CSC 5361	Software Architecture and Design
CSC 5373	Cloud and Edge Computing

The MSSEM program is designed for university graduates who hold a Bachelor of Science in computer science or a very related degree.

Candidates whose academic background is not in computer science or lack specific requirements for the graduate MSSEM program will need to take mandatory undergraduate foundation courses in computer science prior to admission to the graduate program.

3. Master of Science in Sustainable Energy Management

The Master of Science in Sustainable Energy Management (MSSEM) equips students with fundamental concepts for renewable energy production, transformation, distribution, and management.

It is designed to provide students with a well-balanced education in the areas of renewable energy science, engineering, and management.

The core courses of this program provide the skills, knowledge, and attitudes required for the understanding of the most recent technological, institutional, and economic issues related to renewable energy sustainability planning and development.

MSSE Program Objectives

The MSSEM trains students with the ability to:

- Demonstrate a complete understanding of the engineering, economy, and finance of renewable energy projects
- Evaluate energy efficiency and propose solutions in various settings
- Consult on a variety of technical, economical, and financial energy projects.

MSSEM Admission Requirements

MSSEM candidates are graduates with a bachelor's degree in engineering.

All MSSEM candidates must submit formal applications to the university that will be evaluated through AUI's official selection process. Candidates will either be accepted directly or invited to conduct an oral interview (distance interviews can be arranged upon request). Selection criteria include English proficiency, GPA of the bachelor's degree or equivalent, Capstone project, and eventual work experience.

Upon admission, some students may have to take the equivalent of 12 SCH foundation courses in general engineering.

MSSEM Degree Requirements

In order to earn an MSSEM degree, a student must:

1. Fulfill the major (24 SCH) course requirements for the MSSEM, in addition to any undergraduate prerequisite courses that may be needed.
2. Complete and defend the Thesis (SEM 5333 6 SCH) or MS Final Project (SEM 5343 6 SCH) successfully.
3. Have an overall GPA of at least 3.00.
4. Earn a grade of B- or better in all courses counting towards the MSSEM.

MSSEM Courses (24 SCH)

Course Codes	Course Name
SEM 5311	Introduction to Renewable Energy
SEM 5313	Energy and the Environment
SEM 5315	Energy Management
SEM 5317	Energy Economics and Finance
SEM 5321	Conventional Energy Technologies
SEM 5323	Energy Distribution Systems
SEM 5325	Renewable Energy Technologies
SEM 5399	Special Topics in Sustainable Energy Management

4. Master of Engineering in Financial Technology

The Master of Engineering in Financial Technology (MEFT) teaches students the fundamentals of financial technology, such as blockchain and its applications, digital payment and crypto currencies, and machine learning and its applications for financial data analysis.

MEFT Program Objectives

Graduates of the MEFT program are expected to:

- Acquire a deep understanding of how technology impacts the finance and payment sectors.
- Be able to use Fintech technology enablers, such as blockchain and digital payment to build Fintech applications.
- Be able to apply machine learning to financial and market data.

MEFT Admission Requirements

MEFT candidates are graduates with a bachelor's degree in computer science, a bachelor's degree in engineering, or a bachelor's degree in business with a minor in CS.

All MEFT candidates must submit formal applications to the university that will be evaluated through AUI's official selection process. Candidates will either be

accepted directly or invited to conduct an oral interview (distance interviews can be arranged upon request). Selection criteria include English proficiency, GPA of the bachelor's degree or equivalent, Capstone project, and eventual work experience.

Upon admission, some students may have to take the equivalent of 12 SCH foundation courses in computer science.

MEFT Degree Requirements

In order to earn an MEFT degree, a student must earn 30 SCH including:

1. 12 SCH of core technologies courses
2. 9 SCH of Finance and Market courses,
3. 3 SCH compliance course
4. and a 6 SCH Capstone project or Research thesis.
5. Have a CGPA of at least 3.00.
6. Earn a grade of B- or better in all courses counting towards the MEFT.

MEFT Courses

Course Codes	Course Name
CSC 5343	Financial Technology Capstone
CSC 5345	Machine Learning and Data Mining
CSC 5348	Cryptography for Blockchain and Crypto Currencies
CSC 5358	Blockchain Application Development
CSC 5397	Advanced Topics in FinTech
CSC 5398	Cybersecurity and Data Protection
FIN 5309	Financial Risk Management
FIN 5370	Digital Payment
MGT 5390	Corporate Strategy in a Digital Age

5. Master of Science in Big Data Analytics

The Master of Science in Big Data Analytics (MSBDA) is designed to prepare graduate students with both the theoretical background and the practical knowledge and skills along the data value chain. It focuses on capturing, pipelining, processing, and analyzing batch and stream data, such as clickstreams IoT sensory data.

MSBDA Program Objectives

Graduates of the MSBDA program will be able to:

- Understand the need for computing resources' horizontal scalability through distribution;
- Setup Big Data processing and NoSQL storage architectures and environments such as Hadoop, Apache, Kafka, Google Beam, Cassandra, Hbase etc;
- Apply a variety of Big Data analytics techniques including data mining

and statistical techniques for prediction and recommendation;

- Be able to process a variety of big data sources, including transactional, web, text, social media, and stream IoT sensory sources.

MSBDA Admission Requirements

MSBDA candidates are graduates of engineering schools, graduates with bachelor's degrees in computer science or related disciplines, bachelor's degrees in mathematics with a minor in computer science, or BA graduates with a minor in computer Science.

All MSBDA candidates must submit formal applications to the university that will be evaluated through AUI's official selection process. Candidates will either be accepted directly or invited to conduct an oral interview (distance interviews can be arranged upon request). Selection criteria include English proficiency, GPA of the bachelor's degree or equivalent, Capstone project, and eventual work experience.

Upon admission, some students may have to take the equivalent of 12 SCH foundation courses in computer science.

MSBDA Degree Requirements

In order to earn an MSBDA degree, a student must:

1. Earn 30 SCH — including a 6 SCH Master project or research thesis.
2. Have a CGPA of at least 3.00.
3. Earn a grade of B- or better in all courses counting towards the MEFT.

MSDBA Courses

Course Codes	Course Name
CSC 5301	Advanced Database Systems and Data Warehousing
CSC 5341	Inferential Statistics
CSC 5344	Web and Text Mining
CSC 5345	Data Mining and Machine Learning
CSC 5351	Computational Neural Networks and Deep Learning
CSC 5354	Natural Language Processing for Big Data
CSC 5355	Big Data: Introduction, Environment and Applications
CSC 5356	Data Engineering and Visualization

6. Master of Science in Digital Transformation

The Master of Science in Digital Transformation delivers the knowledge, skills, and attitudes required for digital change leaders. It equally emphasizes technology, software stacks, digital innovation, and digital change management. The program is inherently interdisciplinary and offers courses in computer science, strategic management, and organizational change.

MSDT Program Objectives

MSDT graduates will be able to:

1. Demonstrate an understanding of the significance, challenges, and impact of the Digital Transformation on government and businesses;
2. Demonstrate understanding of technologies, concepts, and software architectures that enable/support digital transformation.
3. Demonstrate Mastery of project management, planning, implementation, integration, and change management as prerequisites for a successful digital transformation.

MSDT Admission Requirements

MSDT candidates are graduates of engineering schools, graduates with bachelor's degrees in computer science or related discipline, bachelor's degrees in mathematics with a minor in computer science, or BA graduates with a minor in computer science.

All MSDT candidates must submit formal applications to the university that will be evaluated through AUI's official selection process. Candidates will either be accepted directly or invited to conduct an oral interview (distance interviews can be arranged upon request). Selection criteria include English proficiency, GPA of the bachelor's degree or equivalent, Capstone project, and eventual work experience.

Upon admission, some students may have to take the equivalent of 12 SCH foundation courses in computer science.

MSDT Degree Requirements

In order to earn an MSDT degree, a student must:

1. Earn 30 SCH — including a 6 SCH Capstone project or research thesis.
2. Have a CGPA of at least 3.00.
3. Earn a grade of B- or better in all courses counting towards the MSDT.

MSDT Courses

Course Codes	Course Name
CSC 5319	Technology Stacks
CSC 5347	Data Modelling, Processing, and Analytics
CSC 5349	AI for Digital Transformation
CSC 5360	Agile Digital Project Management
CSC 5376	Design, Architecture, and Security of Digital Systems
HUM 5395	Digital Societies, Governments, and Economies
MGT 5392	Digital Transformation and Innovation
MGT 5393	Organizing for Digital Change

GRADUATE COURSE DESCRIPTIONS

Course Numbers and Disciplines Abbreviations

Standard Course Numbers

AUI uses a three-letter discipline abbreviation and four-digit numbering system for all courses in which each number provides specific information about the course it identifies.

Example: ACC 5302

The abbreviation ACC indicates the course is in the discipline of Accounting (see below for all discipline abbreviations).

The first digit (5 in the example above) denotes the level of the course:

1. the numbers five (5) and six (6) denote a Graduate course; and
2. the number five (5) denotes an MBA, Part time HRD, or continuing education course, and the number six (6) denotes an Executive MBA.

The second digit (3) denotes the number of semester credit hours (SCH) awarded for the course.

The third and fourth digits (01) distinguish the individual course.

Abbreviations

Each discipline or area of study is assigned a three-letter abbreviation that is used as an identifying prefix to the course number. The abbreviations are:

Accounting	ACC
Biotechnology	BTC
Computer Science	CSC
Economics	ECO
Engineering	EGR
Finance	FIN
General Business	GBU
Geography	GEO
Greek	GRK
Hebrew	HEB
History	HIS
Human Resources Development	HRD
Humanities	HUM
International Studies	INS
Latin	LAT
Management	MGT
Management Information Systems	MIS
Marketing	MKT
Philosophy	PHI
Political Science	PSC
Renewable Energy Sources	RES

Social Science	SSC
Supply Chain Management	SCM
Sustainable Energy Management	SEM

Graduate Course Listings

Accounting (ACC)

ACC 2151 Introduction to Accounting (Full-time graduate programs foundation) 1.5 SCH

This course provides theoretical and practical knowledge of special interest to the business community. This course is an introduction to the fundamental concepts of financial accounting, double entry accounting theory, recording procedures, and financial statements preparation and analysis.

ACC 2201 Foundations of Accounting (Part-time graduate programs) 2 SCH

This course provides theoretical and practical knowledge of special interest to the business community. Emphasis is placed on topics related to corporate financial accounting, managerial accounting, and trade tax accounting.

ACC 5302 Managerial Accounting (3 SCH)

Prerequisite: ACC 2301, ACC 2201 or ACC 2151

This course focuses on the use of accounting information for internal planning and control purposes. It explores the analysis and design of systems that provide cost information that is useful in making strategic and operating decisions. At a minimum, the following subjects are discussed: cost system design, financial responsibility centers, planning and budgeting systems, advantages and limitations of activity-based costing methods, and performance measures and evaluation.

ACC 5305 Intermediate Financial Accounting (3 SCH)

Prerequisite: ACC 2301, ACC 2201 or ACC 2151

This course focuses on the sources of capital and its information requirements by providing tools to analyze and exploit information in corporate financial statements. At a minimum, the following subjects are discussed: financial and decision-making analysis, major asset and liability accounts, and stockholder's equity.

ACC 5307 Auditing Theory and Practice (3 SCH)

Prerequisite: ACC 2301, ACC 2201 or ACC 2151

This course provides an in-depth study of the auditing framework and provides an overview of the audit profession, process, and audit procedures. At a minimum, the following subjects are discussed: the role of the auditor, the framework of audit planning, audit evidence and internal controls, analytical procedures, and professional ethics.

ACC 5399 Special Topics in Accounting (3 SCH)

Prerequisite: ACC 5302 or special permission

Specially scheduled courses on significant issues or topics relevant to the study of accounting.

ACC 6201 Accounting for Management Planning and Control (2 SCH)

2 lecture hours

This course emphasizes the integration of cost and strategic analysis. Participants enhance the ability to critically analyze and interpret the use of cost data for planning and control. The module includes activity-based costing, target costing, value chain analysis, performance measurement matrices (e.g., balanced scorecard), strategic positioning, incentives management, and performance management.

Biotechnology (BTC)

BTC 3301 Basics of Biotechnology and Molecular Biology (3 SCH)

This is an Engineering, not a science course

Pre-requisites: BIO 1401

This course covers the theory and applications of biotechnology and recombinant DNA techniques applicable to preventive medicine, vaccines and drug development, clinical therapy, agriculture, and criminology. Notions of modern techniques in comparative and functional genomics are also introduced. The course includes practical sessions in microbial biotechnology. Students who opt to take this course must have a basic biology background.

BTC 3313 Biomedical Imaging (3 SCH)

This is an Engineering, not a Science course

Pre-requisites: EGR 2210, EGR 2402, BTC 3301

The course covers the physics and engineering principles associated with different biomedical imaging. It relates to methods that non-invasively visualize biological processes in real time such as optical imaging, x-ray, computed tomography, nuclear imaging, ultrasound, and magnetic resonance. The course also tackles human visualization and perception of image data.

BTC 3323 Biomaterials and Biomedical Instrumentation (3 SCH)

This is an Engineering, not a Science course

Pre-requisites: EGR 2210, EGR 3304, EGR 3306

The course covers two distinct, yet complementary aspects in Bioengineering: materials applied in diverse biomedical fields, as well as instruments used in the detection, acquisition, processing, and display of signals from living systems and different biotopes. This course equips students with the background and skills necessary to perform in engineering fields related to medical and environmental sectors, and will also serve students interested in Bioengineering research.

BTC 3343 Bioinformatics (3 SCH)

This is an Engineering course that could also count as a CSC elective course

Pre-requisites: BTC 3301, CSC 2309; Recommended: CSC 2303

Bioinformatics is a multidisciplinary field that includes the development and implementation of computational methods and tools suitable to analyze and interpret the fascinatingly increasing amount of bio-molecular data. This course is a bridge between biology and computer science fields. The course equips students with a decent number of bioinformatics tools and databases to apprehend the computational methods behind them. They will also acquire the skills to interpret and present results of a wide range of bioinformatics analyses. Ethics in Bioinformatics are also tackled in this course.

BTC 5302 Biochemistry (3 SCH)

3 lecture hours

The course represents an overview of basic biochemistry and covers most of the aspects of the structures and functions of biologically important molecules with the goal being the development of an integrated understanding of how biomolecules act and interact. A technical aspect will also be covered, including standard and advanced techniques of biomolecule analysis, extraction, and purification, with a special focus on protein purification. This course is designed to provide graduate students (in medicine, biotechnology, and health professions) with a strong foundation in the fundamental biochemistry of normal and abnormal body processes.

BTC 5304 Industrial Microbiology, Biomedical (3 SCH)

Microbiology and Environmental Hygiene and Techniques

3 lecture hours

This course covers the principles of various processes associated with the production and recovery of different bioproducts derived from prokaryotes and eukaryotes. Topics include the classification of microorganisms, media development, instrumentation, fermentation principles, mammalian and insect cell propagation, product recovery, protein purification, and the principles of current good manufacturing practices (cGMP). Emphasis is on large-scale production methods and production of recombinant proteins for diagnostic and clinical applications. Basics on biomedical microbiology and environmental hygiene and techniques are introduced.

BTC 5305 Product Development: From Research to Manufacturing (3 SCH)

3 lecture hours

These seminars cover a wide range of topics related to biotechnology. Students are introduced to an extensive overview of a process for the development of a biotechnology company, bioinformatics, research methodology, intellectual property. They learn to appreciate the importance of quality control and assurance, good manufacturing practices, preclinical and clinical testing, and the lengthy regulatory processes which govern the development, manufacture, and eventual sale of biotechnological products. Hands-on solving of practical problems and guest lecturers who are experts in the field will familiarize students with the intricacies of the process.

BTC 5307 Agricultural Biotechnology (3 SCH)

3 lecture hours

In this course, students are introduced to the application of recombinant DNA Technology to agriculture. This course will also cover the methods for the introduction of foreign DNA into plant and animal cells and the generation of stably transformed plants and animals. Students consider specific examples of the use of transgenic plants and animals in biotechnology, which can provide protection against insects, diseases, and tolerance to specific herbicides. They also investigate how recombinant growth hormones can result in leaner meat, greater milk yield, better feed utilization, and how transgenic plants and animals can serve as bioreactors for the production of medicinal or protein pharmaceuticals. Because recombinant agricultural products are released into the environment or consumed as foods, students also need to become aware and familiar with environmental safety issues.

BTC 5311 Molecular Immunology (3 SCH)

3 lecture hours

This course covers molecular and cellular immunology, including antigen and antibody structure and function, effector mechanisms, complement, major histocompatibility complexes, B- and T-cell receptors, antibody formation and immunity, cytotoxic

responses, and regulation of the immune response.
Students are also introduced to the applied aspects of immunology, which include immunoassay design and flow cytometry. Special topics include immunomodulation, immunosuppression, immunotherapy, autoimmunity, and vaccination.

BTC 5343 Final Project (3 SCH)

Prerequisite: Approval of Graduate Advisor
3 lecture hours
Students pursuing a professional program in Biotechnology must register for the final project and complete it within one full semester.

BTC 5403 Applied Cellular and Molecular Biology (4 SCH)

3 lecture hours, 2 lab hours
This course will examine molecular and mechanistic aspects of cell biology. Topics include cell biochemistry and biosynthesis, cell signaling, regulation of the cell cycle, and membrane trafficking. This course will also cover applied concepts and research techniques in molecular biology. It is designed for students with a good basic knowledge of molecular biology who want to study more advanced concepts and how they may be applied in biotechnology. Topics for discussion include: Introduction to Microbiology; DNA and Molecular Biology; Basic Cloning Requirements; Gene Cloning Techniques; Molecular Hybridization (Northern, Southern and Western); Construction and Screening of Genomic and cDNA Libraries; Restriction Fragment Mapping; Design and use of Oligonucleotide Primers; DNA Sequencing; Polymerase Chain Reaction and RT-PCR; Site-directed Mutagenesis; Cloning Vectors and their Applications; Gene Expression Systems; Bioinformatics and Database Searching; and Microarrays Technology.

BTC 5412 Pharmacology (3 SCH)

3 lecture hours, 2 lab hours
This course will focus on the molecular and cellular aspects of receptor mechanisms, signaling pathways, effectors systems, and chemotherapeutic approaches. Topics that will be covered include drug-receptor interactions; ligand- and voltage-gated ion channels; G protein pathways; growth factor signaling; lipid signaling; calcium signaling; nutrient and nitric oxide signaling; mechanisms of receptor-mediated effects on neural excitability, electrical pacemakers, muscle contraction and gene expression; and chemotherapy, including antimicrobial agents and cancer chemotherapy. Students will therefore study the pharmacology of cell surface receptors and intracellular receptors.

BTC 5413 Genetics and Human Pathology (3 SCH)

Prerequisite: Biochemistry
3 lecture hours
Students are introduced to material in basic genetic principles, with emphasis on biochemical and molecular approaches to the study of human health and metabolic disease. Primary genetic defects underlying a diversity of disorders will be discussed, as well as clinical applications of metabolic and molecular studies. Normal cells and tissues; pathologic principles of cellular adaptation and injury, inflammation, circulatory disorders, immunologic injury, infection, genetic disorders, and neoplasia in humans are introduced. Students will have the opportunity to conduct laboratory examinations of microscopic and gross specimens, in addition to autopsy case studies emphasizing modern pathology practice.

BTC 5501 Biotechnology and Recombinant DNA Techniques (5 SCH)

3 lecture hours, 6 lab hours

This course deals with the theory and practice of various biotechnology and recombinant DNA techniques applicable to research and development, drug discovery, clinical therapies, preventive medicine, agriculture, fermentation, the criminal justice system, and a variety of other fields. Modern techniques in comparative and functional genomics are also introduced.

Computer Science (CSC)

CSC 5301 Advanced Database Systems and Data Warehousing (3 SCH)

Prerequisite: CSC 3326

3 lecture hours

This course covers advanced issues in database design, including distributed and object-oriented databases, database optimization, etc. Significant focus will be placed on data warehousing, including case study analysis and project design.

CSC 5319 Technology Stacks (3 SCH)

Cloud/Mobile software development stacks:
DevOps;
Big Data Analytics stacks;
AI stacks (NLP, NNs, etc.);
Encryption and Digital Signature stacks.

CSC 5341 Inferential Statistics (3 SCH)

Prerequisite: MTH 3301

This course covers the fundamental building blocks of inferential statistical analyses in Big Data applications. Students will be exposed to R, Bayesian networks, Expectation Maximization (EM) algorithm, principal component analysis, Regression Methods, Hypothesis testing, Parameter Estimation, t-test, confidence interval, Analysis of Categorical Data, Bootstrapping, Cross Validation, and permutation tests.

CSC 5343 Financial Technology Capstone (3 SCH)

In their last semester, students must work on a project and demonstrate the use of one or many technologies used in the Fintech industry to a specific finance or market issue. The work may include applied research. Students must first submit a proposal for their final project no later than the semester preceding their last semester of study (typically in Spring). Students are expected to select a problem, analyze the problem, and provide potential feasible solutions for the problem. The projects are conducted under the supervision of an Engineering faculty supervisor. Students must submit a final report in written form, and once the written report is approved by the examining committee, students must pass an oral examination which includes a presentation of their project.

CSC 5343 Final Project (3 SCH)

Prerequisite: Approval of Graduate Advisor

3 lecture hours

Students pursuing the professional program must register for and complete this course.

CSC 5344 Web and Text Mining (3 SCH)

Much of big data is acquired from the web and social media as text. This course covers techniques and algorithms that pertain to text processing and analysis algorithms that pertain to analytics, recommendation, and prediction. Topics include Document storage systems, web advertisement, Frameworks for the web-scale data analytics, and Frameworks for incremental data processing.

CSC 5345 Data Mining and Machine Learning (3 SCH)

3 lecture hours

The course covers the most popular machine learning techniques used for “mining” knowledge that lies buried in an information system, including association rule mining, automatic cluster detection, memory-based reasoning, artificial neural networks, and decision trees. It shows how these techniques can be applied for making better decisions. The course discusses case studies that provide good models for such applications.

CSC 5347 Data Modelling, Processing, and Analytics (3 SCH)

This course covers a variety of topics that deal with data: data information and knowledge; data as a pillar of digital transform; data modelling paradigms; data pipelining and integration; data processing: conventional, mining and warehousing; data visualization; data analytics: descriptive, prescriptive, predictive, and diagnostic data; and open datasets and open data platforms.

CSC 5348 Cryptography for Blockchain and Crypto Currencies (3 SCH)

This course aims at introducing students to modern cryptography for information security, blockchain, and cryptocurrencies. Topics will include secret key encryption ciphers (AES, RC-n), public key encryption (RSA, Diffie-Hellman, Elliptic curve cryptography), hash and message authentication functions (MD5, SHAXXX, HMAC), digital signatures, blockchain, and Bitcoin. The necessary number theory, such as primes, random numbers, factoring, discrete logarithms, finite fields, and elliptic curve mathematics, are covered.

CSC 5349 AI for Digital Transformation (3 SCH)

This course will introduce techniques for creating, programming, and monitoring intelligent software Robots, and students will gain an in-depth knowledge of web automation, control flow, defining custom roles and set privileges, handling exceptions, automating email, decomposing a process into reusable sub-components, and performing AI tasks with text, image, and video for the purpose of automation.

CSC 5351 Computational Neural Networks and Deep Learning (3 SCH)

3 lecture hours

Computational neural networks (CNNs), in the context of parallel distributed processing, define biological, physical, and different mathematical models for CNNs. In this course, students will compare these models and investigate the relationship between neural network learning and symbolic learning methods. Consideration is given to the relevance of these different issues when CNNs are applied to problem-solving.

CSC 5354 Natural Language Processing for Big Data (3 SCH)

3 lecture hours

This course focuses on basic computational techniques (both symbolic and statistical) for processing different aspects of natural (human) language: words and morphological

processing, syntax and parsing, semantics of words, and complex structures. It also covers selected areas of application of natural language processing such as information extraction, question answering and summarization, machine translation, and dialogue/discourse. There are no prerequisites for the course other than good programming skills.

CSC 5355 Big Data: Introduction, Environment and Applications (3 SCH)

Prerequisite: CSC 3326, CSC 3351

The course introduces Big Data processing techniques applied to massive and stream datasets in distributed environments. The course covers the Map-Reduce parallel computing paradigm and Hadoop distributed file system, then moves on to talk about in-memory processing using Spark, before addressing NoSQL data storage (key-value, column, doc, graph) and their associated architectures, data read and write models, and use case applications.

CSC 5356 Data Engineering and Visualization (3 SCH)

Prerequisite**:** CSC 5355

This course covers 2 independent, but complementary parts related to the processing of Big Data, namely data engineering and data visualization. We will explore various ways of building and maintaining data architectures for ingestion and processing, as well as ways for ensuring that there is uninterrupted flow/pipeline of data between servers and analytics/visualization applications. This includes moving data around, integrating new data sources, building data collection pipelines, among various other things using ETL (Extract, Transform, and Load) tools.

The data visualization part covers the art and science of turning data into readable graphics without extra cognitive efforts. We'll explore how to design and create data visualizations based on data available and business objectives. This includes data modeling, basic data processing, such as aggregation and filtering, mapping data attributes to graphical attributes, and strategic visual encoding based on known properties of visual perception as well as the task(s) at hand. Students will learn how to use Open Source data visualization tools.

CSC 5358 Blockchain Application Development (3 SCH)

This course is intended to provide a theoretical background and hands-on knowledge of key elements of Blockchain for business applications developers. It introduces students to Blockchain concepts such as business networks, participants, assets, and trusted transactions; Hyperledger Fabric, Hyperledger Composer, and other Blockchain platforms; and smart contracts, consensus, and architecture of Blockchain solutions.

CSC 5360 Agile Digital Project Management (3 SCH)

In this course, students learn the agile project management framework. They will learn how to develop the project vision and the product roadmap, identify user roles, and write user stories. Additional topics include stakeholder identification, chartering, team development, release planning, value assignment, communication, quality, risk, and change in management. Students learn by doing, using their own project for most activities.

As core Agile practices, Continuous Integration and Continuous Delivery (CI/CD) are emphasized. Furthermore, various state-of-the-art Agile Software Development frameworks, such as Scrum and XP, are presented.

Students will have the opportunity to apply Agile Software Development and integrate it to DevOps by using its supporting tools, technologies, and cloud services in the context of a team-based software project.

CSC 5374 Cloud and Mobile Edge Computing (3 SCH)

Prerequisites: CSC 3351

For more than a decade, centralized Cloud Computing (CC) has been considered the standard IT delivery platform. Today, Edge Computing is de-centralizing the Cloud by moving *computation-storage* from the Cloud Center to its Edge. Driven by pervasive mobile computing, expected 5G massive IoTs (Internet of Things) and URLL (Ultra-Reliable & Low-Latency) applications (e.g., Smart Cities, eHealth, Autonomous vehicles, AR/VR), migrating computation-storage towards the Edge of the network is becoming a must, not a preference.

In the first part of this course, students are introduced to the fundamentals of CC, namely, Distributed Systems and Datacenters, CC Business Agility, and XaaS (Anything as a Service). Afterward, students are introduced to *virtualization* as the main technology enabler behind CC. We namely address Hypervisors' types and VM (Virtual Machines) migration. In the second part of the course, we introduce Edge Computing as the new Distributed Systems Paradigm to cope with the ongoing stringent demand on QoS (Quality of Service). We delineate relevant opportunities-challenges, and we tackle 5G-MEC (Multi-Access Edge Computing) and C-RAN (Cloud-RAN) as contemporary, up-to-date, real-world Edge Computing case studies.

CSC 5376 Design, Architecture and Security of Digital Systems (3 SCH)

This course includes topics as diverse as Design patterns and Architecture of cloud/web/mobile applications, micro-services/agents-based architectures and scalability, security protocols, threats, access control, declarative security, and defense techniques, user-centered interface design, non-functional and domain requirements, interoperability and versatility, integration, maintenance, and evolution.

CSC 5380 Artificial Intelligence for Digital Transformation (3 SCH)

In this course, we will review the transformative power Artificial Intelligence (AI) could have on organizations as well as its far-reaching implications for business and industry. The course will equip students with the knowledge they need to transform organizations into an innovative and efficient business of the future by bringing together robotic process automation, artificial intelligence, and cognitive services. Students will gain the ability to plan, develop, test, and optimize an AI-driven strategy to drive digital transformation. The course will also draw from numerous case studies and applications, so students also learn how to apply cutting-edge techniques in natural language understanding and generation (speech recognition, sentiment analysis, machine translation), perception (tagging, object detection, face recognition), business intelligence (fraud detection, trading, churn detection, recommendation systems), manufacturing (quality control and defect detection, predictive maintenance), healthcare (tumor detection, medical informatics), or marketing (e.g., personalized advertising and marketing messaging, or customer service via telephone or chatbots).

CSC 5398 Cybersecurity and Data Protection (3 SCH)

As digital technologies penetrate deeply into almost every aspect of an enterprise, a broad range of threats have emerged. This course will cover some of the major IT solutions used to guard against these threats. The course will then focus on data protection technologies that leverage cryptography for access, modification, and transmission of data over cyberspace.

Economics (ECO)

ECO 2201 Foundations of Economics (Part-time programs foundation) 2 SCH

This course covers the basic concepts of Economics. The first part focuses on microeconomic analysis, including the behavior of consumers and firms. We analyze markets for goods and services and policy choices that affect these markets. The second part of the course moves on to macroeconomic concepts, such as national production, employment, inflation, and interest rates.

ECO 2351 Introduction to Economics (Full-time graduate programs foundation) 3 SCH

This course is an introduction to microeconomic and macroeconomic theories that are used to analyze real world economic issues. The course provides an overview of microeconomic and macroeconomic theory, including supply and demand; price formation, resource allocation, and the production of goods and services; cost, profit, market structure, and government intervention; the determinants of aggregate economic output, employment, interest rates, and the price level; as well as the fiscal and monetary policy tools that may be used to influence these variables.

ECO 5305 Managerial Economics (3 SCH)

Prerequisites: ECO2201, ECO2351, or ECO 2302 in addition to GBU 3201, GBU2351, or GBU 3311

This course aims to equip students with a compilation of economic models and statistical methods to make rational managerial decisions. It emphasizes understanding of how the external economic environment impacts the viability of a firm as well as the decision-making process of different economic agents. Among the topics covered are consumer demand, production process and costs, market structure, game theory, and risk management.

ECO 5306 International Trade I (3 SCH)

This course covers the necessary principles and skills needed to take part in international business transactions and to solve any kind of issues and obstacles to be met over the course of international trade in the global market. It focuses on the strategies by procedural steps of real trade activities.

ECO 5307 International Trade II (3 SCH)

Pre-requisite: ECO 5306

This course aims at providing students the basics of selecting effective payment methods while identifying possible risks, the duration of the payment term, the strength of the currency involved, and the safe collection of payment in doing international trade.

ECO 5308 International Trade III (3 SCH)

Pre-requisite: ECO 5307

This course deals with the establishment of trade agreements, characteristics, and processes of Moroccan trade agreements, implementation of trade agreements, certificate of origin and its importance in FTA, models to evaluate the impact of free trade agreements, and corporate strategies of international trade.

ECO 5399 Special Topics in Economics (3 SCH)

Prerequisite: ECO 5305 or special permission

Specially scheduled courses on significant issues or topics relevant to the study of economics.

Engineering (EGR)

EGR 5199, 5299, 5399, 5499, 5599 Special Topics in Engineering: (Title to be assigned when offered) (1, 2, 3, 4, 5 SCH)

Prerequisites: Graduate Standing; SSE Approval

Variable lecture and/or laboratory hours

Special topics in engineering. Courses may be taught by visiting or AUI faculty. Can be repeated (not to exceed 6 SCH).

Finance (FIN)

FIN 3101 Foundations of Finance (Part-time graduate programs) 1 SCH

This course is an introduction to the principle ideas in finance and their application to the solution of financial problems. Topics include financial markets and institutions, time value of money, bonds and stocks valuation, project analysis, and an introduction to forwards and options.

FIN 3151 Introduction to Finance (Full-time graduate programs foundation) 1.5 SCH

This course is an introduction to the principal ideas in finance and their application to the solution of financial problems. The course emphasizes the conceptual framework and principles of financial management for business organizations. The topics of the course are designed to integrate knowledge from the introductory courses in accounting and economics, with a special focus on financial decision-making.

FIN 5305 Financial Management (3 SCH)

Prerequisite: FIN 3301 or FIN 3151 or FIN 3101

This course is an application of financial analysis techniques to the managerial problems of financial institutions in the modern market environment. Among the topics covered are funds flow analysis, aggregate financial asset analysis, money markets and interest rates, discounted cash flow techniques, corporate capital budgeting and valuation, investing under uncertainty, capital asset pricing, and market efficiency.

FIN 5306 International Finance (3 SCH)

Prerequisite: FIN 5305 or ECO 5307

This course provides an overview of the management of international funds movement, including mechanisms of financing imports and exports, cash management, hedging, and tax planning. At a minimum, the following subjects are discussed: pricing in a foreign currency, use of forward exchange for hedging, market efficiency in international money markets, foreign currency options, international capital asset pricing, pricing of foreign currency bonds, foreign currency financing, cross-border financing decisions, and exposure management.

FIN 5307 Management of Financial Institutions (3 SCH)

Prerequisite: FIN 5305

This course applies the principles of financial management to financial institutions, especially commercial banks. The impact of monetary and fiscal policies and the changing regulatory, legislative, and technological environments are studied. Specific problem-solving techniques and decision-making are emphasized. Issues relating to efficient markets, dividend policy, capital structure, financing decisions, option pricing, leasing, and risk management are among the topics considered. In addition, special topics may include mergers and acquisitions, pension funds, and international financial management.

FIN 5308 Market Security Analysis and Portfolio Management (3 SCH)

Prerequisite: FIN 5305

This course offers an accurate and intuitive coverage of investments, with an emphasis on portfolio theory. It includes extensive discussion of capital asset pricing, arbitrage pricing, pricing of derivative securities, interest rates, and bond management. Stock valuation, estimating future earnings and dividends, and fixed income markets are examined closely. Major emphasis is on how global capital markets function and on the measurement of performance of investment portfolios. At a minimum, the following subjects are discussed: global capital markets, organization of securities markets, investor behavior toward risk, security valuation, analysis and management of common stocks and fixed income securities, behavior of security prices, development of modern portfolio theory, and portfolio management.

FIN 5309 Financial Risk Management (SBA) 3 SCH

This course introduces students to the current debate concerning the appropriate level of volatility management for firms, before briefly describing the main tools available for financial risk management and the types of risks associated with these instruments. We shall then focus in detail on risk management for financial firms, in particular, commercial and investment banks. This unit includes a discussion of the regulatory requirements for capital adequacy and the recent developments in the area of Value at Risk (VAR), in particular, the use of J.P. Morgan's Risk Metrics and Credit Metrics, and, more generally, the trend towards the use of internal models for risk management.

FIN 5310 Derivative Securities Analysis (3 SCH)

Prerequisite: FIN 5305

This course is designed to expand students' understanding of derivative-related financial instruments (such as forwards, futures, options, and swaps) and their use in investment and corporate financial management. By the end of this course, students should have a basic understanding of how options and futures markets function, and how derivative-related financial instruments are priced.

FIN 5311 Money and Capital Markets (3 SCH)

Prerequisite: FIN 5305

This course provides an examination of the current structure, pricing, competition, and financial innovations in money and capital markets. Theory is coupled with contemporary events to study the impact of the secular rise and cyclical variability of interest rates, the proliferation of financial instruments, deregulation, and the wider competition in financial markets. Individual segments of the money market, such as the commercial paper and acceptances markets are examined, as are capital market

segments, such as the various bond markets, mortgages, and derivative instruments.

FIN 5312 International Banking Operations (3 SCH)

Prerequisite: FIN 5305

This course provides a clear understanding of the theory and practice of international banking and finance. It provides a solid grounding in the latest techniques in international lending and borrowing, asset and liability management, and risk appraisal. At a minimum, the following subjects are discussed: foreign exchange - theory and practice; the international money market; and international banking.

FIN 5313 Advanced Corporate Finance (3 SCH)

Prerequisite: FIN 5305

The objective of the course is to enable the student to analyze practical financial situations and problems. The course is decision-oriented and mainly based on case discussion and analysis. Topics include valuation, executive compensation using EVA, initial public offerings, merger and acquisition, innovations in securities markets, dividend distribution policy, and the relationship between financial policy and corporate strategy.

FIN 5314 Capital Budgeting (3 SCH)

Prerequisite: FIN 5305

The objective of this course is to provide students with an in-depth understanding of the capital budgeting process (generating, evaluating, selecting, and following up on capital expenditures) for making sound project investment decisions. After completing this course, participants are able to: apply capital budgeting decision rules to make sound financial choices and accurately analyze decisions and projects for financial soundness. At a minimum, the following topics are discussed: strategic decision making in determining investments/expenditures, capital budgeting decision criteria, refinancing techniques, and determination of capital structure.

FIN 5370 e-Money and Payment (3 SCH)

This is an overview of general monetary and banking policies. It deals with the supply of money for a nation and commercial banking's relationship with the supply and demand for money. This course also analyses monetary concepts, central banking functions, and techniques of monetary stabilization.

FIN 5399 Special Topics in Finance (3 SCH)

Prerequisite: FIN 5305, or special permission

3 lecture hours

Specially scheduled courses on significant issues or topics relevant to the study of finance.

FIN 6201 Corporate Financial Management (2 SCH)

2 lecture hours

This course is designed to equip executives with the underlying analytical framework of corporate finance. It focuses on the responsibilities, concerns, and methods of analysis employed by corporate financial officers, and the role of financial markets and institutions in the modern economy. Topics include capital structure, dividend policy, asset evaluation, capital budgeting, risk analysis, and portfolio theory.

General Business (GBU)

GBU 2351 Business Statistics and Quantitative Methods (Full-time graduate programs foundation) 3 SCH

This course is designed to provide foundations of statistical methods for managerial decision making. The course is an extensive coverage of descriptive statistics, exploratory data analysis, random variables, important discrete and continuous distributions, point and interval estimation, and hypothesis testing. In addition, the course covers inferential statistics, one-or-two-population hypothesis testing, ANOVA, chi[1]square tests, regression analysis, and time series forecasting.

GBU 3201 Basics of Quantitative Methods (Part-time programs foundation) 2 SCH

This course provides an introduction to statistics and probability as techniques for collecting, summarizing, and interpreting data and for coping with uncertainty in the management decision-making process. Topics include descriptive statistics, hypothesis testing, statistical inferences, and regression analysis.

GBU 5020 Research Methodology Seminar (0 SCH)

Prerequisites: GBU2351, GBU 3201 or GBU 3311

This is a graduate seminar course that outlines and investigates the research process as applied to the business disciplines with the goal of developing a detailed proposal for the final project. Students taking this seminar are expected to gain both theoretical and practical insights into methodological approaches related to the elaboration of their research proposal.

GBU 5301 Business Law (MSIT) 3 SCH

Prerequisite: ECO 5306

This course offers students an understanding of the public and private legal environment of international trade regulating trade contracts, payment, and finance for trade, logistics and insurance, commercial arbitration, and interstate trade in goods, services, and trade-related property rights.

GBU 5302 Customs and Tax Laws (3 SCH)

Prerequisites: ECO 5307, GBU 5301

This course covers topics related to trade customs procedures, tariffs and barriers, customs system, customs fees, and customs refund: temporary admission regime. In addition, this course will deal with customs control of international goods, rebates on tariffs, export and import clearance and issuance, taxation procedures, exemption law of customs law, currency issues, and Moroccan law and international business transaction.

GBU 5303 Effective Business Negotiation (3 SCH)

Prerequisites: ECO 5306, MKT 5306

This course will provide a general framework that emphasizes a rational and ethical approach to negotiation. This course will also cover strategies to improve influence in two-party or multi-party negotiations, price negotiation strategies, advanced negotiation and dispute resolution strategies and skills, simulation/Role play of negotiation, and international business manners.

GBU 5305 Business Ethics and Corporate Governance (3 SCH)

This course explores two different, yet related topics: business ethics and corporate governance. Beginning with business ethics, students are introduced to ethical concepts and constructs, then consider the ethical challenges that arise across the spectrum of business activities, including economic systems, production, marketing, and the environment. The course then examines the business, legal, financial, and political issues affecting systems used to direct and control corporations. Topics discussed include the theory of firm, models of corporate governance, board compensation, principal/agent theory, and conceptions of social responsibility.

GBU 5306 Business Decision Making and Management Science (3 SCH)

Prerequisite: GBU2351, GBU 3201 or GBU 3311

This course provides foundations of quantitative methods for managerial decision-making. Students will hence learn how to formulate and solve business problems using a management science approach. Topics covered include linear and integer programming, network flow models, queuing line analysis, project management, and decision analysis.

GBU 5307 Entrepreneurial Management (3 SCH)

Prerequisites: All foundation courses

This course is designed for students who wish to start their own business, acquire a business, or join the management of a family or privately owned and operated firm. This is a project course in which the student is required to create a business plan for a proposed entrepreneurial endeavor. At a minimum, the following subjects are discussed: methods for identifying new opportunities; creativity and invention; acquiring seed capital; and obtaining venture capital for growth or for purchase of an existing business.

GBU 5308 E-commerce (3 SCH)

Prerequisite: MKT 3101, MKT3151 or MKT3301

This course provides students with an overview of how to develop an effective web presence using online platforms and implement technology to engage customers and other parties in electronic transactions. The course also covers business and technology topics, business models, virtual value chains, e-commerce marketing strategies, and issues related to online security, privacy, intellectual property rights, authentication, encryption, and legal liabilities.

GBU 5310 Special Topics in Business (3 SCH)

Prerequisite: Special permission

This course covers various topics of interest selected in an identified area of business. This course may be repeated for credit and can be used to support business projects.

GBU 5313 Data Mining (3 SCH)

Prerequisite: GBU2351, GBU 3201 or GBU 3311

This course covers the most popular machine learning techniques used for “mining” knowledge that lies buried in an information system, including neural networks, decision trees, genetic algorithms, and fuzzy logic. The course shows how these tools can be applied for making better decisions and discusses case studies that provide good models for such applications.

GBU 5314 Simulation Modeling and Analysis (3 SCH)

Prerequisite: GBU2351, GBU 3201 or GBU 3311

This course is an introduction to the main concepts needed to understand and use computer simulation approaches. The focus will be on discrete event simulation, as well as some coverage of system dynamics. The course will enable the students to understand simulations based on these two models and to learn how to build a simulation model using a simulation package.

GBU 5315 Econometric Tools for Supply Chain Management (3 SCH)

Prerequisite: GBU2351, GBU 3201 or GBU 3311

This course introduces econometric tools for predicting and forecasting to support decision-making in the supply chain. In the first part of the course, causal methods are developed further. This part includes simple and multiple regression, logistic regression, and neural networks. The second part presents time-series techniques: Exponential smoothing, ARIMA methods, and GARCH methods.

GBU 5320 MBA Final Project (3 SCH)

Prerequisite: GBU 5020

In their final semester, students complete a detailed analysis of a specific business issue and may include applied research or a business problem-solving issue with a case study. Students must first submit a proposal for their final project no later than the semester preceding their last semester of study. Students are expected to select a problem, analyze the problem, and provide potential feasible solutions to the problem. The projects are conducted under the supervision of an SBA faculty supervisor. Students must submit a final report in written form, and once the written report is approved by the examining committee, students must pass an oral examination which includes a presentation of their project.

GBU 5321 Professional Final Report (3 SCH)

Prerequisite: GBU 5020

In this course, students design, evaluate, and defend a professional project that demonstrates their achievement of the capabilities of international trade. The project can be a case study, a consulting project, or an entrepreneurial project in the field of international trade. The projects are conducted under the supervision of an SBA faculty supervisor. Students must submit a final report in written form, and once the written report is approved by the examining committee, students must pass an oral examination which includes a presentation of their project.

GBU 6201 Global Integration I (2 SCH)

2 lecture hours

This course offers a first integrative experience abroad, where participants will apply contextual intelligence, gaining a deep understanding of the challenges and opportunities of global business. Participant teams will prepare pre-visit company briefings and will be expected to actively participate in company visits with thoughtful, evidence-based questions and comments to contribute to the group's collective learning. Each student will write reflection reports (blogs) after each corporate visit abroad and synthesis posts. The objective is for participants to deeply engage with their colleagues, the organizations they visit, and the opportunities they identify by assessing differences in global business environments and the impact of these differences on business relationships, operations, and strategic decisions.

GBU 6202 Global Integration II (2 SCH)

A second integrative experience abroad, where participants will apply contextual intelligence, gaining a deep understanding of the challenges and opportunities of global business. Participant teams will prepare pre-visit company briefings and will be expected to actively participate in company visits with thoughtful, evidence-based questions and comments to contribute to the group's collective learning. Each student will write reflection reports (blogs) after each corporate visit abroad and synthesis posts. The objective is for participants to deeply engage with their colleagues, the organizations they visit, and the opportunities they identify by assessing differences in global business environments and the impact of these differences on business relationships, operations, and strategic decisions.

GBU 6203 Entrepreneurial Thinking, Design, and Innovation (2 SCH)

This course addresses the venture creation process and includes methods for identification of new opportunities and idea generation and the role of creativity, education, and invention in business sustainability. Real world cases are used to illustrate factors that can shape entrepreneurial aptitudes and build viable businesses. At the end of this course, participants are expected to gain insights into the development of entrepreneurial aptitudes and skills in the enterprise and learn how to drive innovation in their own companies using strategy and design thinking, translating theory into practice.

GBU 6204 Business Analytics: Data, Models, and Decisions (2 SCH)

The complexity of information extraction needs a high level of data organization. This course equips managers with important statistical and optimization tools and techniques for improved data-driven decision making. Specific topics include hypothesis testing, regression, linear and nonlinear programming, integer programming, dynamic decision making under uncertainty, and Monte Carlo simulation. Case studies from various business areas are used throughout the course.

GBU 6205 Global Immersion Program I (2 SCH)

Global Immersion Program I is designed to provide participants with extensive exposure to doing business abroad. During this first international one-week trip, participants have a class related to a special topic in strategically managing the firm. In addition, participants will visit various local firms including start-ups, domestic corporations, and large multinationals to engage in robust discussions with C-suite executives about the country's business climate and opportunities.

GBU 6206 Global Immersion Program II (2 SCH)

Global Immersion Program II is designed to provide participants with extensive exposure to doing business abroad. During this second international one-week trip, participants have a class related to a special topic in strategically managing the firm. In addition, participants will visit various local firms including start-ups, domestic corporations, and large multinationals to engage in robust discussions with C-suite executives about the country's business climate and opportunities.

GBU 6401 Boot Camp (4 SCH)

The Boot Camp is a series of skill refreshers required for the incoming EMBA participants. It spans over five days to cover essential competencies needed for the EMBA program and helps participants transition back to school.
Different instructors review the basic principles in Accounting, Economics, Finance, and Quantitative Methods.

GBU 6601 Capstone Experience (6 SCH)

The capstone experience is designed to elicit opportunities for reflection and synthesis of knowledge and skills gained throughout the program. The first part of this experience is based on a strategic management structure to assist the participants in the development and improvement of abilities to diagnose and analyze the impacts of changes through case studies and projects. The second part is an opportunity to build on what participants have already learned to develop a project in an area of choice, ideally within their own organizations.

Geography (GEO)

GEO 5311 Environment and Security (3 SCH)

This course investigates how a host of unresolved environmental problems are linked to the prevailing global economic and political system, and examines how various actors, from small–scale producers to states and international organizations, are responding to them. After introducing students to the concept of environmental security, this course explores the ways in which environmental degradation and competition for resources can lead to different forms of conflict, including local intergroup conflict, civil wars, and interstate violence. The course also critically assesses the environmental security approach. The concept of security is applied to various contemporary environmental concerns, including food production and distribution, access to water, energy procurement, control and ownership of resources, so called “natural” disasters, epidemics, pandemics, and environmental refugees.

GEO 5312 Global Environmental issues: Livelihoods, Resources and Sustainability (3 SCH)

This course investigates the variety of environmental issues challenging communities and societies the world over, and how stress on environments impacts the earth’s poorest and most vulnerable people, in particular. It emphasizes how actors at every scale, from transnational corporations and governing bodies to local producers and consumers, impact complex earth systems, including its soils, water, air, and life forms. Students study the problem of devising sustainable systems of resource management and learn how national policies and international agreements bear on particular environmental problems.

GEO 5313 Globalizing cities (3 SCH)

This course examines the situation of localities and big cities, in particular, within globalization processes. Cities and their regions have responded to and benefited from their insertion in transnational networks in different ways. Building on the World City/Global City literature, the course explores how the spatiality of flows and networks has supplemented the territoriality of hinterlands and has opened new economic, social, and cultural avenues of development for cities. Students will gain an understanding of how all types of localities, even small ones, are being transformed, and of how globalization is transforming cities of the global South in particular.

Greek (GRK)

GRK 5201 Koine Greek (3 SCH)

3 lecture hours

This course is intended for students with no basic knowledge of Koine Greek. This course will focus on Christian religious texts as a means of acquiring sufficient skills in grammar, syntax, and vocabulary in order to be able to translate theologically relevant passages within the text. The course will also require the students to read the texts in

English translation so that the students can understand the translated passages in the context of the overall theological structure of the text.

Hebrew (HEB)

HEB 5201 Biblical Hebrew (3 SCH)

3 lecture hours

This course is intended for students who have no basic knowledge in Biblical Hebrew. This course is intended for students to absorb the basic rules of the Hebrew language and use them to read and understand the Hebrew texts.

Through exercises, tests, and homework, the student will be required to write texts and translate them from Hebrew to Arabic as an analytical tool in order to understand its meaning essentially in the field of Comparative Religions.

History (HIS)

HIS 5303 History of the World Economy (3 SCH)

This seminar provides a broad overview of the history of the world economy and how it has affected different parts of the globe from the “premodern” to the “modern” eras. Special attention is paid to the economic interactions between Europe and other world regions such as Asia, Latin America, North Africa, and sub-Saharan Africa. The course is intended to raise a number of questions and issues about both the historical and the theoretical frameworks that relate to the study of the world economy. The focus also involves the intellectual and scholarly debates that revolve around issues such as capitalism, the division of labor, industrialization, and imperialism.

HIS 5311 Modern Imperialism and Its Culture (3 SCH)

This course is a comparative examination of European imperialism in the 19th and 20th centuries. It looks at the historical contexts which led to the emergence of imperialist relations. It also seeks to look at the political, economic, social, and cultural dimensions of modern European imperialism. The focus will be primarily on British and French colonial experiences overseas. This course takes a world historical approach to the study of imperialism.

It is concerned with the different social and cultural manifestations of European interactions with different societies from Asia and Africa. Through an examination of specific histories, it will explore the various reactions of the colonized peoples to the colonial encounter and the behaviors of the metropolitan colonial elite within the same context. Issues of gender, colonial science, orientalism, and culture will be dealt with as part of the complex fabric of the modern European colonial experience. The course will end with a discussion of the process of Decolonization and Nationalism and the effects of the colonial experience on the emerging nation states.

HIS 5312 Country Case Study in North African History (3 SCH)

This course introduces students to the recent history of one of the five countries in contemporary Northern Africa (Morocco, Algeria, Tunisia, Libya, Egypt). The country focus varies according to student interest and faculty availability.

HIS 5325 Colonization and Decolonization in North Africa and the Middle East (3 SCH)

The course examines the various experiences with colonization and decolonization processes in the North Africa and Middle East region from a comparative perspective. Starting with Napoleon Bonaparte’s invasion of Egypt in 1798, case studies present the different patterns of direct French rule in North Africa and Britain’s “informal Empire” in the Middle East. Also, the role of the Ottoman Empire as a colonizing power is taken

into account.
Furthermore, the course compares the motivations and strategies of national liberation movements in different parts of the region, contrasting secular and religious ideologies with the pragmatic and charismatic uses of power by military leaders as the dominant agents of decolonization.

HIS 5326 Diplomatic History since the Congress of Vienna (3 SCH)

This course aims to survey world history in the nineteenth and twentieth centuries from a specifically international perspective: looking at war, diplomacy, and cooperation between states. The course examines the origins and results of all major conflicts that have helped shape the international scene during the nineteenth and twentieth centuries. Emphasis is given to the rise of the great power and later, the superpowers and large-scale conflicts like the Franco-Prussian war, the World Wars, and the Cold War. The various efforts at international co-operation, such as the Concert of Europe, the League of Nations, the United Nations, the European Union, and NATO, are also studied.

HIS 5328 Globalizations in History (3 SCH)

This course examines whether the emergence of globalization at the end of the twentieth century is an altogether new phenomenon, as frequently attested, or is the latest phase of increased interaction amongst disparate parts and peoples of the globe. The course takes a genealogical approach by examining antecedent globalism in various historical periods and geographies. The aim is to examine the driving force of interconnectedness, critically assess what constitutes the global, and ask whether such a category is even possible under the existence of dominant world-hegemonies in both contemporary and historical settings.

HIS 5361 History of North Africa (3 SCH)

This course explores the political, social, and cultural histories of either pre-modern or modern North Africa. The course picks up on specific themes such as colonialism, social movements, political parties, women's histories, the working class, and the peasants, in order to look at the multiple layers of North African history. The class will conduct an analysis of the different historical forces that framed the behaviors of these social groups and trace their agency in reaction to these historical forces.

HIS 5364 Issues in the History of the Muslim World (3 SCH)

The course examines a selection of issues that have marked the Muslim World from the seventh century to the present. Using a multi-disciplinary approach, the course explores 1) the birth and growth of major Islamic urban centers, 2) the place of Muslim societies in World History and their contribution to the movement of people, goods, and ideas, and 3) the impact of modernity and globalization on the Muslim World.

HIS 5365 History of Religions (3 SCH)

The course examines a selection of issues that are related to the study of religion, from antiquity to the renaissance. The course begins with an overview of the major centers of civilization (e.g., Babylon, Egypt, Persia, Greece) and their mythologies, from which organized religion emerged. The course examines the beginnings of major world religions, the challenges of the early religious communities, as well as the relationships between them in the medieval period.
The course may consider such issues as orthodoxy, authority, formations of sacred text, and relations with (or reactions to) secularism.

Human Resource Development (HRD)
For MSHRD only

HRD 5201 Business Environment and Ethics for HRD (2 SCH)
This course is an introduction to management studies and their implications for human resource development. The course covers the principles of management including planning, organizing, leading, controlling, and the interplay between management and ethics. The course focuses also on operations management and the role of technology to support managerial processes and portrays the relationship between managerial functions and HRD domains from both strategic and operational perspectives.

HRD 5202 Introduction to HRD: Theory and Practice (2 SCH)
This course serves to highlight the purpose, definition, origins, context, and core beliefs of HRD. These highlights are meant to provide an initial understanding of HRD and to explore the depth and range of thinking within the theory and practice of HRD with a specific focus on the contributions of three disciplines, namely psychology, economics, and system theory. The course defines the realms of HRD and its underlying foundations while providing a deep understanding of core models that undergird best practice, the history and philosophies in HRD, and a deep thinking about learning, performance, and change.

HRD 5303 Human Capital Management (3 SCH)
The purpose of this course is to provide an introduction to the functions that underpin personnel management, including both administrative and developmental processes. The course sheds more light on the functions of job analysis, recruiting and selection, training and development, career management, performance appraisal, total reward and compensation, and employee termination. A special emphasis is put on the implications of labor law on human resource management and employee relations.

HRD 5311 Training and Development (3 SCH)
Personnel training and development (T&D) constitutes the largest realm of HRD activity. This course focuses on the process of systematically developing work- related knowledge and expertise in people for the purpose of improving performance. The course provides an overview of the principles of instructional design and a deep understanding of the process and the critical success factors for a successful development and implementation of T&D projects.

HRD 5312 Career Development and Talent Management (3 SCH)
This course describes some current career-related issues of relevance to HRD professionals and sheds more light on what individuals and organizations can do to address some of the changing career forces. The course defines some of the key career concepts and models, and provides a deep understanding of the issues involved in designing career development systems in organizations. An analysis of the various components of career systems and how such systems can be coordinated with other programs in organizations is also provided.

HRD 5313 Organization Development and Change (3 SCH)
Organizational development (OD) has the capability of unleashing human expertise, resulting in improvements at the organization, process, work group, and individual levels. This course describes the essence of the OD component of HRD, as well as the nature of the change process. The course presents examples of organization development, as well as variations in core thinking, processes, interventions, and tools.

HRD 5314 Strategic HRD (3 SCH)

Viewing human resource development as a strategic partner is a relatively new perspective. This course discusses the issues surrounding the role of HRD in organizational strategic planning and the factors that have influenced the evolution of HRD toward a more active role as a key determinant of business strategy. The major themes in this course include the schools of strategic thinking, the strategic roles of HRD, adopting a strategic HRD perspective, and scenario planning, plus strategic planning.

HRD 5321 Leadership and Management Development (3 SCH)

The course builds on the basic elements of individual behavior in organizations and the major theories of motivation, interpersonal relations and communication, and team management. The purpose of this course is to provide a comprehensive overview of leadership and management development theories and models and introduce the emerging concepts of strategic leadership, cross-cultural issues in leadership, and the growing awareness of the importance of ethical leadership.

HRD 5322 Consulting for HRD (3 SCH)

This course examines the principles of human performance improvement (HPI) and provides an introduction to the practical aspects of the HPI process. The course focuses on identifying opportunities for improvement and on taking proactive steps for continuous improvement. Such steps include business and performance analyses, gap and cause analyses, intervention selection and implementation, and project evaluation. The course describes meaningful strategies and processes to help organizations solve performance gaps or even avoid performance problems before they arise.

HRD 5323 Performance Management and Coaching (3 SCH)

This course examines core theories of performance and coaching, explains the learning and performance paradigms of HRD and associated models within each, and clarifies the learning-performance perspectives and their logical connection. A multidisciplinary perspective is adopted to demonstrate the unique role of HRD in performance improvement, which focuses predominantly on work-related social systems, while acknowledging the legitimate role of other disciplines.

HRD 5324 International HRD (3 SCH)

This course examines how the globalization of the world economy is challenging the core values, theories, and tools of the HRD profession. The purpose is to adopt a globalization perspective that transcends the need to only understand cultural differences, to focus on a multidimensional perspective that encompasses diversity management, cross-cultural training, adaptation of HRD tools, managing across borders, global employee relations, conflict management, among other emerging global HRD practices.

HRD 5331 Needs Assessment and Organizational Effectiveness (3 SCH)

This course proposes a review of various needs assessment models, including knowledge-based needs assessment, task and job analysis, competency-based analysis, and strategic needs assessment. These analyses follow a system thinking process and suggest different approaches at the individual, group, and organizational levels for the purpose of achieving efficiency gains and improving performance.

HRD 5332 Social and Organizational Psychology (3 SCH)

The course introduces the theories underpinning the study of the actions of people at work and discusses the factors influencing individual and group attitudes and behaviors in the workplace. Relevant organizational dynamic processes are also

described, including: organizational culture and ethical values; decision-making processes; conflict, power, and politics; and the implications of workplace changes for individuals and teams.

HRD 5333 HRD in Public Organizations (3 SCH)

HRD can be thought of as a subsystem that functions within the larger host system for the purpose of advancing, supporting, harmonizing, and, at times, leading the host system. The purpose of this course is to shed more light on the organizational peculiarities of public organizations in Morocco and analyze the role of HRD in supporting, shaping, or leading the various elements of this contextual reality of HRD. The course also discusses strategic investment in HRD at the national level to maintain high-level workforce competitiveness.

HRD 5334 Knowledge Management (3 SCH)

This course examines knowledge management strategies, processes, and technologies. The course focuses on both exploration and exploitation strategies and describes how processes such as knowledge generation, mapping, storing, and application leverage knowledge assets to support the efficiency and effectiveness of organizational operations and lead to superior performance. A discussion of the emerging models that link knowledge assets, organizational processes, stakeholders, and financial results is also provided, along with an analysis of the relationship between investment in knowledge management systems and organizational performance.

HRD 5335 Corporate Social Responsibility (3 SCH)

The course offers an overview of the definitions, approaches, and models revolving around the concept of corporate social responsibility and discusses the relationship between issues such as corporate ethics, action/diversity practices, environmental responsibility, and financial performance. This course analyzes the various facets of corporate social responsibility (CSR) and discusses the role of HRD in setting strategies and processes to self-sustain the benefits of CSR investments.

HRD 5336 HRD and Technology (3 SCH)

This course introduces the technological challenges facing the HRD field and explores the strategies to be engaged in high-tech means of developing and unleashing human expertise coming from the demand to do HRD work better, faster, and cheaper. The course provides a deep analysis of how emerging technologies constitute challenges to the existing mental models and professional practices of HRD and what scenarios HRD professionals should consider to deal with such challenges.

HRD 5337 Employee Counseling and Wellness Services (3 SCH)

This course focuses on the need for employee counseling and wellness efforts in organizations and describes the effectiveness of different types of employee counseling programs, including employee assistance, stress management interventions, and employee wellness/health promotion programs. The course also explains the role of supervisors in various types of such programs.

HRD 5338 Conflict Management (3 SCH)

This course explains the sources of conflict in organizations and their implications for HRD processes. The course offers a managerial perspective on how to deal with intergroup conflict, understand the interplay between authority and power and the political processes in organizations, and how to use power, politics, and collaboration to enhance individual and team performance.

HRD 5339 Special Topics in HRD (3 SCH)

This course may vary in content according to participants' needs and the relevancy of current issues in HRD. Content may include topics like e-Learning, continuous professional development, coaching and mentoring, adult learning, teambuilding, and socialization and orientation of employees.

HRD 5341 Research Methods for HRD (3 SCH)

This course introduces the emerging research issues in the HRD field and the models and methods of quantitative and qualitative research. The purpose is to allow HRD professionals to apply sound theories and tools confidently to improve the expertise and performance of individuals, work groups, work processes, and the overall organization. The course offers a description of different research phases, including context analysis, literature review, research gap and objective, research methodology, data collection, findings and results, discussion, and recommendations.

HRD 5342 Research Project (3 SCH)

The research project is an opportunity for participants to transfer learning outcomes and apply HRD tools to their organizations. To make this project valuable, participants must select an HRD-related performance problem and design and implement an intervention to ensure continuous performance improvement. Participants should follow the principles of action research. A strong organizational commitment is highly recommended for successful completion of the project.

Humanities (HUM)

HUM 5310 Amazigh (Berber) History and Culture (3 SCH)

This course examines the history of the Imazighin (Berber) peoples from the Neolithic period to the present. The course covers the Imazighin peoples who live from the Siwa Oasis in Egypt's Western Desert to the Atlantic and south to Niger and Burkina Faso. Imazighin political movements in the 20th and 21st centuries and French colonial influence in creating a "Berber" identity are examined. While the emphasis in the course is on the history and politics of Imazighin peoples and movements in North Africa, the course also touches on Amazigh culture and its legacy in such topics as toponyms, linguistics (dialects of Arabic as well as the various dialects of Tamazight, or Berber Language), epic poems (including in the Arabic Abu Zaid Hilali tales), and folklore in North Africa. The course considers how Imazighin have emerged in recent years from the stereotype of rural, colorful folk used to attract tourists to buy handicrafts, to a viable cultural force in contemporary North Africa. Comparison is made between Imazighin movements in the Maghreb, with indigenous peoples in other parts of the world (North and South America, Europe, and New Zealand, for example).

HUM 5312 Popular Culture in North Africa (3 SCH)

Various types of popular expression in North African societies are examined, starting with religious practices, such as popular Islam. Other forms of popular expression often ignored in the past, such as pop music, theater, television, and film, are covered. The course moves from a discussion of North Africa itself to the growing influence of such North African pop cultural forms as raised in other regions of the Arab world, Europe, and beyond.

HUM 5315 Culture and Globalization (3 SCH)

This course examines globalization as a long-term social phenomenon, tracing its beginnings several thousand years ago with imperial conquests and the expansion of universalizing religions. Since the Industrial Revolution, globalization has accelerated with the implementation of each new transportation, communications, and information technology. The growth of audio-visual, broadcast, and electronic media (radio, film,

television, satellite transmission, the Internet, etc.) since the beginning of the 20th century has enabled the unprecedented interaction of cultures the world over. The course examines the apparently conflicting tendencies of global cultural homogenization on the one hand, and of new forms of particularism and identity-construction on the other.

HUM 5321 Islamic Art and Architecture (3 SCH)

The class offers a broad survey of Islamic arts and architecture with an emphasis on the Maghreb and al-Andalus (North Africa and Muslim Spain). The first section of the course offers an in-depth analysis of early Islamic art and architecture from the advent of Islam to the eve of the second millennium. The second section consists of a survey of the art and architecture of the major dynasties of the Islamic west from A.D. 750 to A.D. 1800. The last section of the course will link Islamic art, architecture, and urbanism to their social and economic contexts. It will provide an in-depth analysis of city and urban life in medieval and colonial North Africa through the study of urban form and socio-economic structures and institutions, with a focus on Morocco.

HUM 5323 Society and Politics in North African Literature and Films (3 SCH)

This course examines the handling of political themes and issues through a selection of North African films and works of literature over a varied time period.

HUM 5360 Issues in Contemporary Islam (3 SCH)

This course is a survey of different issues in contemporary Islamic thinking and practice. For example, the focus could include topics such as the interaction between Islam and politics and discussing the relationship between Islam and democracy or social and cultural issues, such as Islam and Modernity, and Islam and women. Course topics depend on the semester offered and the instructor.

HUM 5361 Introduction to the Basics of Islam (3 SCH)

This is an introductory course for students who have little prior background in Islamic or religious studies. This course is an introduction to the religion of Islam, and briefly addresses the basics of the faith, including the five “pillars”, important practices, as well as fundamental themes of its theology, sacred text, and the biography of the Prophet Muhammad. The course also includes a visit to a mosque in order to familiarize students with its role and standard characteristics.

HUM 5362 Introduction to the Quran and Biography of the Prophet (Sirah) (3 SCH)

This course introduces the student to Islam’s primary sacred text: the Quran.
Emphasis is placed on the Quran’s central role within Islam, as well as the body of tafsir (commentary) literary that has evolved around this sacred text, as well as historical and contemporary approaches to the study of the Quran. Students likewise are introduced to “Sirah” texts, i.e., the biographical accounts of the life of the Prophet Muhammad (most importantly that of Ibn Hisham), and survey contemporary scholarship on Sirah.

HUM 5363 Introduction to Islamic Jurisprudence (3 SCH)

(Fiqh) & Creed (`aqeeda)
This course will provide students with an introduction to the major schools of Islamic jurisprudence, and an overview of their history and origins. Students will also be introduced to the major legal texts associated with the schools, both medieval and contemporary. In addition, the course will provide students with a basic introduction to the formation of religious creed (`aqeeda) within Islam, and the major differences between the Sunni and Shia doctrine.

HUM 5365 Mysticism and Sufism (3 SCH)

The course examines Sufism (the mystical tradition of Islam), and other esoteric traditions from around the world. First, the communalities and diversity of the mystic traditions of world religions are explored through readings of the foundational works of each. Methods, practices, arts, and institutions of Jewish, Christian, Buddhist, and Hindu mysticism are compared. Second, mystic aspects of the non-scriptural religions of Africa, Native America, and Aborigine Australia are studied. The various critiques formulated against mysticism are presented, as the post-modern turns towards mysticism.

HUM 5366 Contemporary Issues in Kalam (theology) (3 SCH)

This course considers contemporary issues in kalam (theology), with special attention given to the research interests of the instructor. Possible examples include comparative issues in Sunni and Shia works, or the theology of minority communities, such as the Ahmadiyya.

HUM 5367 Contemporary Issues in Fiqh (jurisprudence) (3 SCH)

This course considers contemporary issues in fiqh (jurisprudence), with special consideration given to the research interests of the instructor. Possible examples include the fiqh of Muslim minority communities (fiqh l- ‘aqalliya), and the contemporary position on controversial issues, such as banking interest (riba) or temporary marriage (zawaj muta’a).

HUM 5368 Special Topics in Religious Studies (3 SCH)

Specially scheduled courses on significant issues or topics relevant to the study of religion.

HUM 5369 Special Topics in Islamic Studies (3 SCH)

These are specially scheduled courses on significant issues or topics relevant to the study of Islam.

HUM 5395 Digital Societies, Governments, and Economies (3 SCH)

This course covers: the challenges tied to realizing the potential of ICT as an enabler for development and the double face of ICT; formal approaches to development (models, theories, and policies, etc.); businesses and governance; digital societies and ethics; digital economy, innovation, and compliance; and digital governance and privacy.

HUM 5412 Moroccan Cultural Heritage (4 SCH)

The purpose of this course is to provide students with a deep knowledge of Moroccan cultural heritage from both tangible and intangible perspectives. Through centuries of constructive intermingling of Amazigh, Arab, Islamic, Jewish, Roman, Andalusian, French, Saharan and sub-Saharan cultures, Morocco has been an innovative place for the arts of living and building.

The course places an emphasis on Moroccan heritage as it continues to thrive in cities, towns, and villages throughout the country. It aims at providing an understanding of how the traditions of Moroccan life can serve as a catalyst for development in contemporary Morocco. This four (4) SCH course involves a number of local and cross-country field trips.

International Studies (INS)

INS 5303 Advanced International Relations Theory (3 SCH)

This course presents a broad variety of theoretical approaches to analyzing the international political situation. It covers the different debates that take place in the field of International Relations. The course discusses Realist, Liberal, and Post-Modern approaches to International Relations theory. The course also examines different forms of Constructivism and their critiques.

INS 5304 Moroccan Foreign Policy (3 SCH)

This course looks at the development and formulation of Morocco's foreign policy since independence in 1956. In addition, it provides a historical overview of the major events and developments of the post-independence period. The course also examines the issues and actors involved in the making of policy and the changing nature of the regional and international context in which Morocco has had to adapt itself.

INS 5305 Advanced International Law Seminar (3 SCH)

Prerequisite: INS 3303, or equivalent approved by instructor.

After a brief review of the basic elements of international law, this seminar will focus on carefully reading and analyzing important decisions of the International Court of Justice and other tribunals. Participants will learn to "think like a lawyer" so that they can bring their own analytical skills to interpret unfamiliar areas of international law.

INS 5306 Diplomatic Negotiation (3 SCH)

This course surveys the theory and practice of diplomatic negotiation features within both bilateral and multilateral negotiations. Models of negotiation, steps of negotiation, and strategies of negotiations are a consistent component of the program. Psychological and sociological influences are emphasized.

Case studies complement the theoretical framework of the course.

INS 5307 Diplomatic Theory and Practice (3 SCH)

The purpose of this course is to survey the different approaches to analyzing diplomacy and foreign policy. The debate from an American and European perspective is emphasized. The different aspects to be analyzed are the constitutional, the organizational, and the partisan dynamics of the foreign policy process. The evolution of diplomacy and the new role of diplomats in International Politics are examined in light of current challenges to 'traditional diplomacy'.

INS 5310 Special Topics in International Relations (3 SCH)

These are specially scheduled courses on significant issues or topics relevant to the study of international relations.

INS 5311 Geopolitics (3 SCH)

The objective of this course is to analyze twentieth century geopolitical thought as one of the components of contemporary political philosophy.

The course surveys: Western geopolitical thinkers, including Mackinder, Vidal de La Blache, Haushofer, Kennan, Kissinger, and Huntington; alternative and opposing geopolitical discourses (Soviet, Third Worldist, Islamist, and Environmentalist); and the role of geopolitical ideologies in international relations and strategic policymaking. The course is based on fundamental readings and involves bibliographic research.

INS 5313 Conflict Management and Resolution (3 SCH)

This course explains the theoretical and analytical tools used to understand the causes of violent conflicts and the means to manage and resolve them. It surveys the different forms of political violence, including ethnic, domestic conflict, and terrorism. It

examines different forms of conflict management and resolution, including preventative diplomacy, humanitarian intervention, peacemaking, and peacekeeping. The course uses case studies to analyze these issues.

INS 5315 International Political Economy (3 SCH)

This course provides a survey of theories of international political economy, as well as a short review of the history of the discipline. The course examines the relationship between economics and politics. It covers several issues, including the relationship of wealth and power, the role of the nation-state in economic management and control, regional economic and political integration, the role of the multinational cooperation, the North-South economic divide, political dialogue, and the impact of globalization on the world's economies.

INS 5317 European Union - North Africa Relations (3 SCH)

This course surveys and examines relations between the Maghreb region and Europe. Bilateral ties between states, as well as the policies of individual European states, such as France and Spain, are explored. The main focus of the course is on relations with the European Union itself. Students study issues such as trade, co- operation, migration, security, and the Euro-Mediterranean Partnership Initiative.

INS 5322 US Policy in North Africa and the Middle East (3 SCH)

This pro-seminar examines the interests of the United States in the Middle East from the Truman Doctrine onwards. The formation of the Baghdad Pact, the Suez Crisis, the Arab-Israeli Conflict, Palestine, the Gulf Wars, and the Iranian Revolution are discussed in terms of their effects on United States interests and orientation. The role of oil and the region's reliance on the United States for security, along with the rising role of counter-terrorism in shaping United States foreign policy are analyzed within the broader framework of United States foreign policy.

INS 5324 United States Foreign Policy (3 SCH)

Various economic, social, and political changes, both domestically and abroad, have shaped American foreign policy and diplomacy within a historic perspective. This course attempts to offer a comprehensive understanding of the evolution of doctrines, related interests, tools, goals, and accomplishments of US foreign policy and diplomacy. The class examines key concepts, such as "diplomacy", the "national interest", "power", and "policy instruments" in order to comprehend how the US applies these in its dealings with other countries and in addressing complex world problems.

INS 5326 United States-Maghreb Relations (3 SCH)

This pro-seminar examines history and the development of United States foreign policy towards the Maghreb from the 18th century onwards. Particular emphasis is placed on political and economic cooperation and conflict during the Cold War and current efforts to enhance economic ties through free trade agreements and economic initiatives. Various aspects of military and security cooperation are also discussed within the framework of the overall relationship.

INS 5340 Independent Study in International Studies (3 SCH)

Independent study is for those students who have specific interests or needs that cannot be covered by the courses offered in their program. Students wishing to do an independent study must submit a detailed plan as a written request proposing the study, which must be supported by a member of the faculty and approved by the Dean of the School of Humanities and Social Sciences. Students may undertake only ONE independent study in the course of their MA program and may do so, should there be no courses offered that cover the same topics. Independent study should be taken only during the last semesters of students' degree programs. Independent study can only

be taken to cover non-core requirements.

INS 5346 External Relations of the European Union (3 SCH)

The external relations of the EU encompass a wide range of issues, from trade and development, to security and the environment. With the expansion of the EU and the deepening of the integration process, the EU has become an increasingly acknowledged actor in the international system. The course examines the decision-making processes regarding the EU external relations and its main areas of action.

INS 5351 Theories of War and Peace (3 SCH)

This course surveys the phenomena of war and peace from a conceptual and theoretical point of view. Subjects discussed include but are not limited to positive and negative peace, Just War Theory, and the use of war and violence by non-state-actors. The contributions of theorists such as Thucydides, Clausewitz, and Galtung are debated, as are those of such non-Western thinkers, as Ibn Rushd and Sun Tzu. The *Correlates of War Project* is also assessed.

INS 5352 Theories of Globalization (3 SCH)

This course examines the main theories that have been put forth over the past few decades (including neoliberal, modernization, world-systems, post-colonial, and postmodern theories) to understand and explain globalization as a social and cultural process. It draws on the disciplines of economics, sociology, political science, geography, and cultural studies to present a multidisciplinary perspective on globalization. Salient issues discussed include the global configuration of production systems and distribution networks, the transformations of national and local conditions induced by global processes, and such related processes as transnationalism, homogenization, and cosmopolitanism.

INS 5353 Peace Studies (3 SCH)

This course presents an overview of the existing debates about peace studies in the discipline of International Relations, both in theory and in practice. The writings of Johan Galtung and Kenneth Boulding are discussed and debated, as well as the ideas and concepts of Mahatma Gandhi. International conflict resolution studies and strategies are also explored in this course.

INS 5354 Regional Topics in Moroccan Foreign Policy (3 SCH)

This course allows students to gain an in-depth understanding of Morocco's relations with a specific state or world region. Each semester the course is given, it will focus exclusively on one particular state or world region, such as the USA, the EU, the Middle East, Sub-Saharan Africa, or Asia Pacific.

INS 5355 Regional Studies in Conflict Management and Resolution (3 SCH)

This course allows students to gain an in-depth understanding of conflict in a specific region of the world. Each semester the course is given, it will focus exclusively on one particular world region, such as Europe, the Middle East, Sub-Saharan Africa, or Asia Pacific.

INS 5356 International Aid, NGOs and Development (3 SCH)

This course examines the roles of international and national aid agencies, Non-Governmental Organizations, and civil society in development. Since the failure of various Modernization projects in the 1970s, emphasis in development has changed. Local involvement in all phases of a project is now considered essential, at least in theory, if not always in practice. Meanwhile, the financing of development projects is still largely dependent on International Organizations, while development policies are

determined by national agencies. This course explores the growth of NGOs and of local associations in the planning and implementation of development. Focus is on the Arab world and Africa, but Latin America, Asia, and the Indian Subcontinent may also be studied.

INS 5361 Political Economy of North Africa and the Middle East (3 SCH)

The course studies the connection between the political and economic foundations of the societies of the Middle East and North Africa. Starting from the analysis of the natural resource base, the course covers some of the 'classic' debates that have marked the study of the economies of the region: the challenges posed by rapid demographic growth, or by the imperative of agricultural development in an arid or semi-arid environment, the problem of the ambivalent opportunities offered by oil and other mineral wealth, and the persistent imbalance of the economic structures. In presenting these debates, the course addresses questions concerning the choices and conditions which influenced the evolution of the economy of the states of the region and their impact on the political and social systems that have experienced them.
Particular attention is dedicated to the origins and effects on the region of neo-liberal political economy approaches over the last three decades.

INS 5362 Graduate Seminar in NAMES (3 SCH)

This course is a seminar for graduate students in the North African and Middle Eastern Studies program only, providing them with a 'state of the art' knowledge through exposure to a mixture of classic scholarly studies of NAMES as well as new, innovative research in the field.

INS 5391 Thesis Seminar (3 SCH)

Students who have reached the thesis-writing stage meet once a week with other students and a supervising professor to report on their progress and to be advised on how to proceed with their project. Students failing to defend their theses successfully by the end of the semester are awarded an IP grade. This course can be taken only on a Pass/Fail basis.

INS 5392 Policy Practicum (3 SCH)

The course is designed to provide students with supervision and advice on how to write policy papers and consists of a combination of practically-oriented assignments which culminate with the drafting of the final policy paper.
Students failing to defend their policy paper successfully by the end of the semester are awarded an IP grade. This course can be taken only on a Pass/Fail basis.

INS 5395 Special Topics in Globalization (3 SCH)

This is a specially scheduled course on an issue or topic of significance for the study of globalization.

INS 5396 Special Topics in Peace and Conflict Studies (3 SCH)

This is a specially scheduled course on an issue or topic of significance for the study of conflicts.

INS 5397 Special Topics in American Studies (3 SCH)

These are specially scheduled courses on significant issues or topics relevant to the study of the American region.

INS 5399 Special Topics in NAMES (3 SCH)

These are specially scheduled courses on significant issues or topics relevant to the study of North Africa and the Middle East region.

Latin (LAT)

LAT 5201 Classical Latin (3 SCH)

3 lecture hours

This course is intended for students who have no basic knowledge of Classical Latin. Through practical exercises and lectures, familiarity with the five declensions, and knowledge of Latin grammar and syntax, students will acquire the skills to translate simple texts from Latin to English. The course will also require the students to read the texts in English translation so that the students can understand the translated passages in their historical/cultural/theological context.

Management (MGT)

MGT 3101 Foundations of Management (Part-time graduate programs foundation) 1 SCH

This course is an introduction to management. It will focus on the fundamental concepts of management, including planning, organizational design, decision-making, strategic management, and human resource management. This class will review the evolution of management thought and stress current approaches and emerging concepts.

MGT 3151 Introduction to Management (Full Time graduate programs foundation) 1.5 SCH

This course is an introduction to management. It will focus on the fundamental concepts of management, including types and roles of managers, decision-making, strategic management, human resource management, and managing in a global environment. This class discusses the evolution of management thought and emphasizes current approaches and emerging concepts.

MGT 5304 Quality Management (3 SCH)

Prerequisites: GBU2351, GBU 3201 or GBU 3311, and MGT 5305

This course introduces the quality management principles and the role of total quality management in the supply chain. It provides concepts, tools, and techniques relevant to Quality Assurance, control and improvement, including models such as the Deming Cycle, six sigma programs, and statistical process control tools.

MGT 5305 Organizational Behavior and Leadership (3 SCH)

Prerequisite: MGT3101, MGT 3151, or MGT 3301, and cannot be taken on exchange or study abroad

This course examines individual behavior at the workplace and applications important to managerial and organizational effectiveness. It also emphasizes the following subjects: design of organizational structure; processes for enhancing organization effectiveness; managing and building intra-organizational relationships; authority, influence, and leadership relationships; organizational culture; international considerations; intergroup power and conflict; and organizational change and development.

MGT 5306 Strategic Management in Global Markets (3 SCH)

Prerequisite: Final semester of coursework or special permission and cannot be taken on exchange or study abroad.

This course provides an in-depth study of the strategic issues faced by managers in a

global environment The following subjects are discussed: competitive positioning, techniques for analyzing how firms can develop and sustain competitive advantage, dynamic economic policies and conditions, emerging markets, deregulation, and challenges facing multinational corporations.

MGT 5307 Human Resource Management (3 SCH)

Prerequisite: MGT 5305

This course focuses on managing a firm's primary resources: human, capital, and technical. The HRM portion focuses on attracting, developing, motivating, and retaining the workforce; the CM portion focuses on best practices for managing capital; and the TM portion focuses on how to acquire and best utilize technology. At a minimum, the following subjects are discussed: recruitment and selection, diversity, labor relations, capital investments, technology needs analysis, technology assessment, and technology implementation.

MGT 5310 Risk and Crisis Management (3 SCH)

Prerequisite: GBU 5306

This course examines techniques and policies used by organizations and individuals for managing risk. The emphasis of the course is on pure risks (corresponding to situations where there are only the possibilities of loss or no loss), as contrasted with speculative risks (in which both gain and loss are possible as financial risk). Besides addressing how to identify, evaluate, and manage pure risks, the course also focuses attention upon the analysis of insurance markets and the incentives they convey for managing risk.

MGT 5311 Diversification and Merger Strategies (3 SCH)

Prerequisite: MGT 5305

This course explores the determinants of a successful diversification strategy and a special case, acquisitions, to sustain growth and profitability. The course develops current frameworks of diversification based around the notion of synergy and/or capabilities transfer at the business strategy level. Using the fundamentals of competitive strategy, the course addresses the type of entered markets (related or unrelated) and the mode of entry (direct, joint venture, acquisitions, etc.). The course also develops advanced frameworks of diversification built around the concept of strategic intent, core competencies, leveraging of resources, and dominant logic. Finally, the course develops the concepts that are useful in acquisitions. These concepts address individual acquisitions, as well as acquisition programs.

MGT 5312 Power, Politics, and Leadership for Global Manager (3 SCH)

Prerequisite: MGT 5305

This course provides an in-depth study of the impact of power, politics, and leadership on a multinational corporation. Focus is on political processes affecting decision-making. At a minimum, the following subjects are discussed: power bases, networks, coalitions, power sharing, and stakeholder analysis, as well as multicultural environments, strategic alliances, negotiations, and cultural consequences.

MGT 5313 Management of Change (3 SCH)

Prerequisite: MGT 5305

This course is designed to give the student the feel of an organization system in a competitive environment. It aims to provide the student with an experiential feel for

changes that need to be planned within an organization and why. During the course, students realize that initiating such changes is challenging, as the change agent meets with resistance. Designing change interventions for the improvement of organizational performance provides the opportunity for students to wear the hat of a management consultant.

MGT 5314 International Business Strategy (3 SCH)

Prerequisite: MGT 5305

This course presents a framework for understanding international business and emphasizes economic analysis of international business strategies. The course considers alternative modes of market entry, including import and export through intermediaries, contracting with suppliers and distributors, foreign direct investment (FDI), and investment in operations in emerging economies. Topics also include strategic alliances, strategic implications of comparative advantage, and organization of an international business. Case studies are used to illustrate the basic principles of international business strategy.

MGT 5315 Project Management (3 SCH)

Prerequisite: Special permission

This course provides an overview of the discipline of project management. It is done from both a technical angle and from the perspective of the practice with project management. This class also explores the different types of project organizations and associated concepts, such as program management, project finance, etc.

MGT 5321 e-Business Management and the Net Economy (3 SCH)

Prerequisite: MGT3101, MGT 3151, or MGT 3301

This course deals with concepts and methods related to the new economy and to electronic businesses. It introduces the data-networks and their uses in the daily transactions of businesses. The characteristics of economies and e-Businesses are also considered before tackling the implied economic, managerial, and financial issues. Applications and case studies are also used to emphasize the practical side of this course.

MGT 5322 Event Management (3 SCH)

This course provides students with skills and knowledge for successfully running special events. It covers material related to exhibition facilitators and agencies, exhibition participation strategy that covers planning of exhibition, participation preparation, booth operation, and management after exhibition. In addition, this course deals with distinguishing corporate and government event strategies.

MGT 5390 Corporate Strategy in a Digital Age (3 SCH)

This course provides an in-depth study of the strategic issues faced by managers in the age of digitalization. The classical principles behind corporate strategy, such as business models, marketing strategy, competitive advantage, etc., are reviewed in light of the opportunities and risks brought about by digitalization.

MGT 5391 Compliance and RegTech (3 SCH)

Regulatory technology will not only provide efficiency gains for compliance and reporting functions, but it will also radically change market structure and supervision. This course will provide a comprehensive review of how new technologies (including Artificial Intelligence and Blockchain) are applied to compliance and to the future regulatory landscape affecting financial institutions, technology companies, and other

industries.

MGT 5392 Digital Transformation and Innovation (3 SCH)

This course covers the following topics: the emergence of the digital economy and the need to reshape management practices; innovation for business survival, profitability, and development; technology as a major source/means for innovation; and strategies in digital innovation.

MGT 5393 Organizing for Digital Change (3 SCH)

This course aims to expose the student to the market-available tools used for organizing a successful digital transformation. The course is centered around four central themes: 1 – How to collect input from the organization, and its environment, to steer transformation. 2 – How to source work, scope deliverables, assess risk, and support decision making. 3 – How to support delivery and align the organization to adopt change. 4 – How to organize regional and global collaboration to leverage new technologies and new market dynamics. The course material will be based on both case studies, in collaboration with Industry Hubs and Institutions (APEBI, AUSIM, Maroc Numeric Cluster, etc.,) and select readings from the literature. The course also offers practice using the Sandbox Model PTB™ simulator.

MGT 5399 Special Topics in Management (3 SCH)

Prerequisite: MGT 5305, or special permission

These are specially scheduled courses on significant issues or topics relevant to the study of management.

MGT 6201 Managing Human Capital in the Organization (2 SCH)

This course discusses the management of an organization's human resources with an emphasis on the strategic issues involved in obtaining and developing employees. The strategic view highlights the way human resources are managed with regard to human resource planning, recruitment and employee development, and compensation management and reward systems.

MGT 6202 CSR, Sustainability, and Ethics (2 SCH)

This course focuses on Corporate Social Responsibility (CSR) as a new management paradigm with ethical, responsible leadership and sustainability at its core. The course highlights different approaches with which to examine CSR both conceptually and empirically while using case studies of organizations that have been known in the CSR domain.

MGT 6203 Effective Negotiation Strategies (2 SCH)

The purpose of this course is to enable participants to understand their own intrinsic negotiating behaviors and how those can be adapted for effective leadership in a variety of situations. The course focuses on building the individual skills of the participants to deal with disputes and conflict management, to create and optimize value at the bargaining table, to identify and navigate through cultural differences in negotiation, and to influence results and determine success.

MGT 6204 Leading Organizations (2 SCH)

This course is designed to expose participants to the areas of knowledge and competencies that are fundamental to the study and practice of leadership in a variety of settings. It will help the participants develop a profound understanding of their own experiences, aspirations, and leadership qualities. Participants will conceptualize the various aspects of leadership and will discover the skills and practices of exemplary leaders to cultivate tools to lead their own organizations with impact.

MGT 6205 Managing Global Operations and Supply Chain (2 SCH)

This course focuses on improving the performance of the firm through effective coordination and integration of production and supply chains. Participants will develop skills and concepts needed to ensure the ongoing contribution of a firm's operations to its competitive position while controlling the transformation of materials into products, distributing the products to customers, maintaining and recycling the products, and managing the logistics of service operations.

Management Information Systems (MIS)

MIS 5301 Managing Information Systems in Organizations (3 SCH)

Prerequisite: MGT 3301

3 lecture hours

This course covers major topics in the management of information systems (MIS). Students learn how information systems can be a source of competitive advantage. This course introduces students to the strategic use of MIS and focuses on the strategic impact and business value that can be achieved, rather than the details of the technology. Issues concerning governance and accountability will pervade the course.

Marketing (MKT)

MKT 3101 Foundations of Marketing (Part-time graduate programs foundation) 1 SCH

This course introduces the essentials of marketing and sales. Topics covered include functions of marketing, effects of marketing, and application for the present conditions of marketing. The highlight of the course will be key concepts and methods of analysis related to marketing strategy, marketing channels, wholesale markets of raw materials, and sales system of trade companies.

MKT 3151 Introduction to Marketing (Full-time graduate programs foundation) 1.5 SCH

This introductory course gives an outline of common marketing concepts and models with the purpose of developing responsive marketing strategies that meet customers' needs. The course also focuses on the use of marketing in organizations and society. Topics include marketing environment, consumer behavior, marketing research, segmentation, and international/global marketing, with relevance to cultural diversity and ethics.

MKT 5301 Marketing Management for the Digital Age (3 SCH)

Prerequisite: MKT5305

In addition to examining the various marketing management theories, this course aims at helping students implement the learned tactics using the latest digital marketing trends. Among others, this course includes the following subjects: segmentation and targeting, product line management, communication management, pricing and profit planning, and management of distribution channels in the digital marketing context.

MKT 5302 Fundamentals of Digital and Social Media Marketing (3 SCH)

Prerequisite: MKT5305

This course is designed to introduce students to the fundamentals of digital and social

media marketing and to demonstrate how companies use them to achieve goals and ensure a better performance. It also provides an understanding of how organizations capitalize on digital and social media platforms to support their marketing efforts. Students will get hands-on experience creating comprehensive digital and social media strategies for active brands.

MKT 5303 DIGITAL BRAND MANAGEMENT (3 SCH)

Prerequisite: MKT5305

This course aims to help graduate students acquire a profound understanding of best practices and upcoming trends in digital branding. It will also help them learn how to build a brand using online techniques and channels. The course will be composed of industry-focused teaching, guest speakers' presentations, workshops, and case studies. Among other topics, this course includes best practices and trends in digital branding, customer relationship management, marketing automation, and analytics for establishing digital brand strategies.

MKT 5305 Advanced Marketing Management (3 SCH)

Prerequisite: MKT 3151, MKT3101, or MKT3301

3 lecture hours

This course examines the creation and distribution of products and services for consumers and businesses. It focuses on the key issues in analyzing market opportunities, developing and implementing marketing strategies, and the marketing effort. At a minimum, the following subjects are discussed: marketing product/market selection, product line management, sales force operations, communications management, pricing and profit planning, and management of distribution channels.

MKT 5306 International Marketing (3 SCH)

Prerequisite: MKT 3151, MKT3101, or MKT3301, or special permission

3 lecture hours

This course provides an in-depth study of the global variations in market and trade patterns. This is a project course, in which students are required to develop a marketing plan for a product or service to be marketed in at least two distinctly different countries. At a minimum, the following subjects are discussed: international product development and adaptation, sales force management, as well as pricing, promotion, and distribution issues across cultures and national boundaries.

MKT 5307 Marketing Research (3 SCH)

Prerequisites: MKT 3151, MKT3101, or MKT3301 in addition to GBU 3311, GBU 2351, or GBU

3 lecture hours

This course focuses on marketing research concepts and techniques. The course aims at developing the student's ability to critically evaluate and utilize research information in the decision-making process. At a minimum, the following subjects are discussed: research design; questionnaire design; survey sampling; analysis, use, and evaluation of quantitative and theoretical models of marketing management; the role of models in decision making; and consumer response.

MKT 5308 Services Marketing (3 SCH)

Prerequisite: MKT 5305 or special permission

3 lecture hours

This advanced course addresses the challenges of creating and delivering high quality

services in professional practices and services within industries such as financial, healthcare, educational, high-tech, manufacturing, and retail. Topics include: how customer behavior and expectations play a role in the service environment; branding, promoting, and positioning services; managing demand and capacity in service organizations; distribution and pricing in services; building customer loyalty; workforce development; and managing customer complaints.

MKT 5309 Strategic Market Planning (3 SCH)

Prerequisites: MKT 5305, MKT 5307

3 lecture hours

This course focuses on the application and further development of concepts learned in marketing management and research. It provides an integrated approach to the use of marketing tools and concepts in the formulation and execution of a marketing plan. At a minimum, the following subjects are discussed: market share, industry growth, overall impact of marketing strategy, competitive appraisals, evaluating the firm's ability to compete, and identifying marketing factors that contribute to the success of a strategy.

MKT 5310 Advertising and Promotion Management (3 SCH)

Prerequisite: MKT 5305, or special permission

3 lecture hours

This course provides an in-depth study of advertising and sales promotion theories and strategies. Special emphasis is placed on consumer behavior. At a minimum, the following subjects are discussed: advertising and promotion analysis and targeting; budgeting; media selection; consumer and trade promotions; publicity, theories, and applications in consumer behavior; and evaluating advertising effectiveness.

MKT 5311 Web and Social Media Marketing and Analytics (3 SCH)

Prerequisite: MKT5305

The rapid proliferation of social media has created a prevailing medium for mass consumers to build awareness and spread opinions. This course allows students to comprehend the methods for the systematic use of social media data. It presents tools such as influencer identification, sentiment analysis, interaction analytics, social network analysis, thematic modeling, and social media strategy assessment.

MKT 5315 Product Management and Marketing (3 SCH)

Prerequisite: MKT 5305, or special permission

3 lecture hours

This is an advanced course in the marketing management discipline. Students are exposed to the following topics: 1) product concept, requirements, and general principles; 2) product innovation cycle and interactions within an organization; 3) product launch management and influence of brand image; and 4) product testing and available market research techniques.

MKT 5316 Advanced Consumer Behavior (3 SCH)

Prerequisite: MKT 5305, or special permission

3 lecture hours

The study of consumer behavior enables marketers to understand and predict consumer behavior in the marketplace. This advanced course gives students the opportunity to critically analyze fundamental principles of consumer behavior and explore some of the complexities inherent in the application of these principles within

realistic business contexts.

MKT 5399 Special Topics in Marketing (3 SCH)

Prerequisite: MKT 5305, or special permission

3 lecture hours

Specially scheduled courses on significant issues or topics relevant to the study of marketing.

MKT 6201 Strategic Marketing (2 SCH)

The aim of this course is to provide participants with skills needed for the development of marketing strategies and plans. The driving role of markets, the importance of situation analysis, positioning, and relationship strategies are also among the dimensions targeted in enlarging the skills of the participants. The course deals with the marketing strategy for better decision-making within the context of the total enterprise.

Philosophy (PHI)

PHI 5361 Philosophy of Religion (3 SCH)

3 lecture hours

The aim of the course is to examine philosophical analyses of the relation between the sacred and the secular. However the sacred is understood, its reality and nature, its relationship to the natural world and human life, and its implications for our moral and political existence have been the subject of profound and prolonged reflection in diverse religious and philosophical traditions. The course then seeks to critically examine philosophy's contributions to these issues, with the intention of providing students with a basis to develop their own judgements about these matters.

PHI 5387 Islamic Philosophy and the West (3 SCH)

3 lecture hours

The course examines the development of philosophy within Islam and the relationship between Islamic philosophy and other intellectual traditions outside the world of Islam, notably with the traditions of Western thought. This relationship, whether characterized by dialogue or conflict, has been a constant one, such that it is impossible to properly understand either Islamic philosophy or Western philosophy independent of one another.

The course thus follows Islamic philosophy through its many individual representatives and schools over time, and through its influence on, its borrowing from, and its criticisms of, Western thought.

PHI 5389 Modern European Thought (3 SCH)

3 lecture hours

The concepts of "modern" and "modernity" are of European origin and what they refer to has been largely shaped by European or European-inspired thought. Modern European Thought thus both defines the "modern" in its many manifestations and is simultaneously paradigmatic of modern thought. This course, covering a period that begins with the Renaissance and reaches into the present, examines modern European thought in its efforts to understand a novel reality (e.g., politics, society, culture, religion, knowledge) and define new ways of thinking about this new reality (e.g., philosophy, natural science, human, and social sciences). The purpose of the course, therefore, is to understand Europe's unique contribution to the making of our contemporary world.

Political Science (PSC)

PSC 5305 Global Governance (3 SCH)

This course provides an understanding of the evolving nature of globalization and the need for new ways of ensuring the management of the increasingly globalized world. Key theories of and approaches to global governance, notably neoliberal institutionalism, the new medievalism, and transgovernmentalism, will be examined in light of the post-WWII architecture of global governance, starting with the Breton Woods Institutions, GATT/WTO trade negotiations, and non-formal mechanisms and initiatives, such as the Davos Forum, taken to cover the remaining gaps in global governance. On the political front, the course will examine the evolving concept of national sovereignty and the challenges it poses to how the international system deals with global economic and political issues.

PSC 5315 Water in International and Domestic Politics (3 SCH)

The natural endowment of both surface and ground water resources depends on the water cycle. Fresh water is essential for life, crucial to agriculture, and enters myriad production systems. This course examines how water issues are addressed in international and domestic politics. The relationship between access to water and political conflict is explored using both models and case studies. The course also includes the treaties governing transboundary water use.

PSC 5350 Middle Eastern Politics (3 SCH)

The course provides an introduction to the politics of the Middle East. Students develop the ability to reflect comparatively on a number of political systems of the region (the 'populist-authoritarian republics', the 'family-ruled monarchies', Lebanon, Israel, Turkey, and Iran); they identify patterns and common trends in contemporary Middle Eastern politics and explore a number of thematic issues, including the question of the nature of the state, the role of nationalism and ethnicity, democratization, and political Islam.

PSC 5360 Foreign Policy and Security of the Middle East States (3 SCH)

This course provides an introduction to Middle Eastern States' foreign policy and security. The Middle-East is one of the sub-regional systems in the world where conflicts and violence are most acute. It holds the Arab-Israeli conflict, the Arab-Persian Gulf wars and conflicts, border and ideological rivalries, as well as ethnic and religious diversity often resulting in irredentist claims, violence, and terrorism. In addition, the interferences of the Great Powers, through direct interventions or using proxies to protect their conflicting interests in the region, generate more violence and confrontations. This course aims at analyzing the Foreign Policy of the key middle-eastern States in relation to Great Powers Politics, as well as the impact of the emergence of new transnational actors in the context of the Arab Spring in this region, and how all these affect the stability of this extremely strategic sub-regional System.

PSC 5361 Religion and Politics (3 SCH)

Religion and politics have been intertwined since the beginning of recorded history. From the earliest of times, politics has used religion to justify its authority, while religion has sought political power to enhance its influence and prestige. This course examines the relationship between religion and politics in several countries, as well as the influence of religion in international politics. Is there a difference between patterns of religion and politics in the Muslim world in comparison to Europe and the United States? Is it appropriate for majority religions to use their power to influence the state generally and against religious minorities in particular? Should international human

rights standards be used to reduce the influence of religion? Is “separation of religion and the state” a viable approach? Although the emphasis of the course is on religion and politics in the contemporary world, some historical examples are examined to help better explain the modern world.

PSC 5362 Islam and Democracy (3 SCH)

The purpose of this course is to explore the relationships between the different forms of Islam Sunni and Shi’i and democracy, with a special emphasis on North Africa. As it examines the concepts of state and of democratic institutions within Islam, such as shura, it analyzes the reform movements of the eighteenth and nineteenth centuries looking at jihadist movements in Tunisia, Egypt, and the Ottoman Tanzimat movement. The rise of fundamentalist organizations, such as the Muslim Brotherhood and their response to modernist, western-inspired political change is also debated. The post-World War II era is studied in light of the growing conflict between secular-oriented state ideologies and Islamists.
The recent political experiences of North African states in dealing with what is called political Islam and the different dilemmas it entails - about women, social justice, and secularism, for instance - are also examined.

PSC 5370 North African Government and Politics (3 SCH)

This course examines the government, politics, and international relations of the states of the Maghreb. It covers such issues as the impact of history, post-independence state-building, the role of political parties, progress towards economic and political liberalization, and relations between the states and with the wider world. Students gain an understanding of developments and issues within individual countries and are able to compare issues thematically across the three states.

Renewable Energy Sciences (RES)

RES 3301 Thermodynamics (3 SCH)

This course will explore the wide range of technology available for energy storage and its impact on the energy industry. Technology will include batteries, super capacitors, flywheels, pumped storage, and hydrogen, among others. In addition, the management and storage of heat, mechanical, electrochemical, and electrical energy will be discussed.

RES 3321 Conventional Energy Technologies (3 SCH)

Prerequisites: EGR 2402

This course will provide an in-depth knowledge of conventional energy domains. This course examines the basics of energy engineering/sciences and technology with a focus on the fundamentals of conventional energy sources. The course concentrates on conventional energy sources such as oil, natural gas, and coal. A thorough comparison between conventional and renewable energy sources is key to understanding the possibilities and limitations of new energy sources.

RES 4325 Introduction to Renewable Energy Technologies (3 SCH)

Prerequisites: EGR 2311

This course provides an introduction to engineering principles and designs underpinning solar and wind renewable energy technologies. The course discusses the scientific principles behind solar thermal energy technologies, photovoltaic technologies, as well as solar renewable energy resource assessment. Students learn about the fundamentals and main characteristics of the wind, the main components associated with the wind turbine energy technologies, and scientific principles of energy transfer by fluids, and learn to analyze data using predictive models to forecast the amount of wind and solar energy achievable. This course also

addresses the bio- and geothermal energies from the perspective of the National needs.

Supply Chain Management (SCM)

SCM 5301 Logistics and Supply Chain Management (3 SCH)

Prerequisite: GBU 5306, MGT 5305

3 lecture hours

This course examines logistics systems that provide the physical supply of raw materials and parts to a firm and the distribution of products to its customers. At a minimum, the following subjects are discussed: facility location and distribution, and tactical and strategic uses of freight consolidation, warehousing operations, and inventory management.

SCM 5302 Logistics of Transportation and Distribution (3 SCH)

Prerequisite: SCM 5301

3 lecture hours

This course is designed to be an introduction to the challenges faced by the manager of a physical distribution and supply system. The manager aims to coordinate the channels of distribution, the transportation and storage of products, and the communications and data processing system in such a way that costs are cut to a minimum while the service requirements are satisfied. The application of quantitative methods to the solution of these problems is emphasized.

SCM 5303 Inventory Management and Production Planning (3 SCH)

Prerequisite: SCM 5301

3 lecture hours

This course equips the students with the fundamental tools and techniques needed to control and manage inventory, as well as to plan production operations. The list of topics introduced include: the role of inventory, types of inventory, traditional replenishment systems for single-item inventories, multi-echelon inventories, aggregate production planning, material requirement planning, and Just-in-Time production planning.

SCM 5304 Information Technology for the Supply Chain (3 SCH)

Prerequisite: SCM 5301

3 lecture hours

This course introduces the students to modern Information Technology practices in support of logistics and supply chain management. It unveils the principles and theory of business data design and integrated information systems support and gives exposure to the most modern implementations of Enterprise Resource Planning software.

SCM 5305 Strategic Supply Chain Management (3 SCH)

Prerequisite: SCM 5301

3 lecture hours

This course explores the knowledge, techniques, and strategies necessary to create value and achieve competitive advantage from supply chains. The students learn how to build SCM around the Supply Chain Operations Reference (SCOR) model for increasing both the internal and external productivity of an organization’s supply chain and aligning the supply chain with the overall business goals of the organization.

SCM 5306 International Logistics (3 SCH)

Prerequisite: ECO 5306

This course provides a strategic view of global operations and logistics. The students will be able to understand the general framework and important issues related to global operations and logistics. It covers the main trends in global logistics, logistics firms and costs, third-party and value-added logistics, and cargo insurance covering road, air, and marine transportation.

SCM 5399 Special Topics in Logistics & Supply Chain Management (3 SCH)

Prerequisite: Special permission

3 lecture hours

This course consists of specially scheduled readings on significant issues or topics relevant to the study of Logistics and Supply Chain Management.

Sustainable Energy Management (SEM)

SEM 5311 Introduction to Renewable Energy (3 SCH)

3 lecture hours

This course provides an introduction to engineering principles and designs underpinning key renewable energy technologies. The course discusses the scientific principles behind geothermal energy, energy from biomass, wave energy, tidal energy, ocean thermal energy, hydropower and fuel cells technologies, as well as aspect of energy storage and utilization.

SEM 5313 Energy and the Environment (3 SCH)

3 lecture hours

The main objective of this course is to provide an overall view of energy and environmental issues on local and global scales. Students will learn: how to evaluate conventional energy sources and fossil fuel power plants technologies and their impact on the environment; fundamentals of fuels and combustion principles; pollution formation and control of major combustion pollutants; current policies related to pollution; and gain comprehensive knowledge of environmental issues and how to ameliorate the growing urban, regional, and global environmental problems associated with energy use while still providing sufficient energy to meet the needs of populations for a humane existence. A control program must be built.

SEM 5315 Energy Management (3 SCH)

3 lecture hours

Topics related to incentives and requirements for improving energy efficiency in the residential, commercial, transportation, and industrial sectors will be covered, in addition to methods for energy audit of the industrial and civil installations.

Students will be introduced to energy efficiency in construction, efficient energy management techniques, economic and social factors which influence energy technologies, and methods for energy audit of the industrial and civil installations. In addition, students will get an overview of energy projects and environmental management. Finally, students will also learn about the potential for using renewable energy technologies as a complement to and as a replacement for conventional technologies, as well as analyze the possibility of combining renewable and non-renewable energy technologies in hybrid systems.

SEM 5317 Energy Economics and Finance (3 SCH)

3 lecture hours

This course deals with the methods and practices necessary to manage an energy

project. Economics for managers and essentials in corporate finance will be covered. Students will be introduced to risk management, management techniques, project evaluation, and financing. It includes an overview of energy projects and environmental management. Students will also be introduced to energy markets and trading.

SEM 5321 Conventional Energy Technologies (3 SCH)

3 lecture hours

This course will provide an in-depth knowledge of conventional energy domains. This course examines the basics of energy engineering/sciences and technology with a focus on the fundamentals of conventional energy sources. The course concentrates on conventional energy sources such as oil, natural gas, and coal. A thorough comparison between conventional and renewable energy sources is key to understanding the possibilities and limitations of new energy sources.

SEM 5323 Energy Distribution Systems (3 SCH)

3 lecture hours

This course covers the following topics: characteristics of modern power systems (organization, needs, and functions), electrotechnical behavior of the generators in the system (generation diagram, power and frequency control, and reactive and voltage control), transmission aspects (handling of power flows and voltage profiles, network calculations, security analyses and optimization), design of the network (structure of the grid and configurations for the substations), reliability concepts, and calculation methods. In addition, the students will study electric grid operation and evolution to the Smart Grid, including electric system design and operation, technical and tariff changes ahead, and integration between utilities and regional transmission organizations.

SEM 5325 Renewable Energy Technologies (3 SCH)

3 lecture hours

This course provides an introduction to engineering principles and designs underpinning solar and wind renewable energy technologies. The course discusses the scientific principles behind solar thermal and photovoltaic energy. The students will be able to: describe the fundamentals and main characteristics of the Sun's energy; describe the main components associated with solar thermal energy technologies, photovoltaic technologies, as well as solar renewable energy resource assessment; describe the fundamentals and main characteristics of the wind; describe the main components associated with the wind turbine energy technologies and scientific principles of energy transfer by fluids; and analyze data using predictive models to forecast the amount of wind and solar energy achievable.

SEM 5333 Master's Thesis (3 SCH)

Prerequisite: Approval of Graduate Advisor

3 lecture hours

Students selecting the Thesis option for MSSEM are expected to register for SEM 5333 in two (generally consecutive) terms. The thesis is a production of research in an area of information technology related to the program.

SEM 5343 Master's Project (3 SCH)

Prerequisite: Approval of Graduate Advisor

3 lecture hours

Students pursuing the professional program must register for and complete this course. The project for MSSEM is expected to span a minimum of four calendar months of full-time work. It is designed to be completed in one full semester. The master's project could be in the form of an applied industrial or research project that

combines the application of materials of various Information Technology-related issues studied during the preceding semesters.

SEM 5399 Special Topics in Sustainable Energy (can be repeated for credit) 3 SCH

3 lecture hours

This course will cover specific advanced topics in Sustainable Energy Management that reflect current issues of interest. It will focus on application of a specific technology or set of techniques, and will require demonstration of practical mastery of the subject area, its context, and issues.

Social Sciences (SSC)

SSC 5301 Popular Culture (3 SCH)

5 lecture hours

The course examines popular culture as an important and autonomous sphere of cultural production and human activity where power is negotiated within and across different groups. The course is designed to assess popular culture as a dialogue of local and global texts, where popular culture is read as a product of crossing borders, emerging identities, and shifting meanings. Some of the themes we cover in this regard include identity, youth, subcultures, fashion and consumption, music, film, dance, sitcom, comedy, new media, power, cultural imperialism, orientalism, gender, and nationalism.

SSC 5302 Multidisciplinary Research Design and Methods (3 SCH)

The most interesting Social Science research conducted today is multi-disciplinary in nature. This course teaches students how to use a variety of perspectives, sources of data, and data analysis methods to address a research question. Students learn how each of the Social Sciences contributes theoretically and methodologically to our understanding of social phenomena. Students explore the options offered at each stage of research, from the framing of a research question, through data collection, to the presentation of findings, while practicing a range of data collection and data analysis methods.

SSC 5303 Diversity in Islam (3 SCH)

The purpose of this class is to expose students in the MAIS and NAMES programs to a diversity of practices in contemporary Muslim communities. The course involves trips to specific Muslim countries with visits to major Muslim sites and meetings with scholars and students in the host countries. It is expected that such opportunities will help expand the information learned in classes and improve their understanding when they may encounter such diversity in their professional lives.

SSC 5304 North African Migration and Immigrant Communities (3 SCH)

This course covers the issues caused by the growing problems of rural migration within North African countries and the establishment of North African immigrant communities in Europe. The course begins by looking into the causes of rural migration, focusing on the post-independence period. The social impact of rural migration on the economic and political well-being of North African states is discussed. The subsequent migration of large numbers of North Africans to Europe and the establishment of immigrant communities with different cultural, religious, and linguistic identities from that of the host societies are examined.

SSC 5305 Gender in the Modern Middle East and North Africa (3 SCH)

This course moves beyond narrow socio-religious approaches to MENA femininities, masculinities, as well as gender roles and relations, and instead, allows students to focus on questions of gender more appropriately through the lenses of post-colonial state-building, economic liberalization, democratization, international development, and globalization. As such, the course explores the shaping of both femininities and masculinities in MENA countries stretching from Turkey, Iran, Israel, and the Arabian Peninsula, to Morocco.

SSC 5310 Thesis Seminar (3 SCH)

Students who have reached the thesis-writing stage meet once a week with other students and a supervising professor to report on their progress and to be advised on how to proceed with their project. Students failing to defend their theses successfully by the end of the semester are awarded an IP grade. This course can be taken only on a Pass/Fail basis.

SSC 5351 North African Cities (3 SCH)

This course examines the formation, urban patterns, and socio-economic structures of historical and contemporary North African cities using a multi-disciplinary approach. The course will draw upon a body of scholarship from a number of fields including architectural history, anthropology, archaeology, history, urban sociology, Islamic jurisprudence, and literature. The course will 1) review the legal and theoretical foundations of urban Islam, 2) examine the architectural and urban legacies of Roman and early Islamic civilizations in North Africa, and 3) provide an in-depth analysis of city and urban life in medieval and colonial North Africa through the study of urban form and socio-economic structures and institutions, with a focus on Morocco.

SSC 5361 Social Science Approaches to Religion (3 SCH)

The course introduces classical and contemporary theoretical and empirical approaches to the sociological, anthropological, and psychological study of religion. It is concerned with examining the origins and roles of religion in societies and cultures, as well as in the formation of the human personality. The aim of the course is to give students the conceptual tools to critically evaluate the place of religion in different areas of human life.

SSC 5362 Global Islam in the Contemporary World (3 SCH)

The course examines the global scope of the ‘umma. At a time when Muslims live everywhere around the world, creating the biggest ‘umma ever, the “Muslim World” is integrated as never before to global flows from every provenance. The course investigates the transnational scale of Muslim religious movements and identities, and the technological and institutional structures which support them. Students study how Muslim communities beyond the “Muslim World” practice their faith in multi-faith, Christian, Buddhist, or secular societies. The course assesses the place of Islam in cosmopolitan Western countries.

SSC 5363 Islam and Economics (3 SCH)

This course examines Islamic principles as applied to economics. The course looks at the “classical Islamic” discourse on economics, banking, and business practice setting out the rules for acceptable legal practice. In addition, the course looks at how Islamic practice has been molded into the current major economic types; mainly socialism and capitalism, and how states have tried to use Islam as a means to promote state economic policies.

SSC 5365 Interfaith and Intercultural Communication (3 SCH)

This course sets out to explore the historical, theological, and methodological facets of intercultural and interreligious dialogue. A brief history of intercultural relations demonstrates the changing circumstances and attitudes in which these took place to arrive at the present-day discourse. This forms the backdrop to contemporary religious pluralism, evident in both the global and national arenas and characterized by the opposing forces of cooperation and conflict. Aspects of inter- and intra-religious engagement around such questions as the meaning and scope of religious freedom, conflict resolution, international development, human rights, gender, justice, and bioethics are explored. Students learn how exclusivist religious tenets can be transcended.

SSC 5366 New Religious Movements (3 SCH)

With globalization and the rise of the information age, New Religious Movements (NRMs) are becoming an increasingly complex field of study. NRMs are frequently a challenge to students of religion, since these movements often resemble more mainstream faith systems on a superficial level, yet frequently differ from the parent (or sibling) tradition in significant areas, such as doctrine, ritual, or cosmology. This course introduces the student to several new religious movements of the late 20th and early 21st century. Students are also introduced to several methodologies used in studying NRM, including approaches in the social sciences (e.g., sociology, psychology).

SSC 5395 Digital Societies, Governments, and Economies (3 SCH)

This course introduces students to the challenges tied to realizing the potential of information and communications technology (ICT) as an enabler for development and the double face of ICT. It covers formal approaches to development (models, theories and policies, etc.). The course also touches on the topics of businesses and governance; digital societies and ethics; digital economy, innovation, and compliance; and digital governance and privacy.

SSC 5401 Social Statistics (4 SCH)

3 lecture hours, 2 lab hours

This course aims to equip students with the basic skills in statistics in order to understand and evaluate data produced in published sources. Topics include organizing data, percentile, measures of central tendency and dispersion, normal curve, probability, correlation, regression analysis, and non-parametric tests. The course also includes a weekly computer laboratory session.

Language Center
Institute of Economic Analysis & Prospective Studies
Social Science Research Institute
Hillary Rodham Clinton Center for Women's Empowerment
Azrou Center for Local Community Development
Center for Business Ethics

Language Center

Mr. Ali Khejjou,
Director
Mr. Jacob Adrianus Wildschut,
English Program Coordinator
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Accreditation

The Intensive English Program of the Language Center is accredited by the Commission on English Language Program Accreditation.

The Language Center (LC) is an independent academic unit that has been offering intensive English programs since the opening of the University. It was the first academic unit to receive international accreditation, back in 2009. Its main mission is to prepare the students enrolled for academic programs offered in English, which aligns with AUI's mission to prepare future leaders of Morocco and the world. In addition to English, the LC offers programs in other languages such as French, Spanish, and Tamazight.

LC Mission Statement

The Language Center seeks to: 1) equip eligible students with the language skills necessary for success in their academic studies by using materials that promote global multicultural awareness, and 2) provide tailored language training programs for the AUI community and other clients. With the fostering of student learning as its primary focus, the LC provides courses and extracurricular activities designed to develop the four language skills while integrating grammar and vocabulary in a learner-centered environment.

The LC faculty is experienced, culturally diverse, sensitive, and committed to professional development. The use of modern technology and authentic

materials contributes to an effective teaching and learning environment, wherein students acquire not only the mechanics of the language, but also the ability to use it in authentic contexts.

Vision

The vision of the Language Center is for it to be a role model for language institutions in the Middle East and North Africa. The LC wants to be known among students, parents, and educators for providing a stimulating academic environment and a student-centered curriculum that motivates, challenges, and educates all students.

Values

1. Excellence
2. Integrity
3. Transparency
4. Equal opportunity
5. Collaboration

Philosophy

The essence of the LC philosophy is to encourage an open approach to methodologies of language teaching; teachers are allowed to use their own teaching styles, as long as they meet the objectives of the curriculum. They are also encouraged to be eclectic and creative vis-à-vis the use of teaching materials and techniques. The LC's overarching teaching philosophy and pedagogy is geared towards a communicative, learner-centered approach.

Intended Learning Outcomes

Upon successful completion of the LC intensive English program, students should be able to:

1. Recognize and analyze different kinds of academic discourse,
2. Communicate in English with fluency, appropriateness, and accuracy,
3. Demonstrate basic critical thinking when interacting with complex academic texts and when producing written and spoken forms of language,
4. Use English to boost their competence in learning academic disciplines,
5. Use pre- and post-learning techniques and strategies vertically between skill levels and horizontally across skill areas in multi-layered academic contexts,
6. Become autonomous and effective learners.

Language Center Practices

To meet the above goals, the LC has designed a curriculum based on the three skills of writing, reading, listening, and speaking. These are grouped into three areas: Academic Writing and Grammar, Academic Listening and Speaking, and Academic Reading. Each area is distributed across two levels and each course has its own description, objectives, ILOs, materials, and evaluation criteria. In measuring the student's proficiency in the main languages it offers, the University utilizes a set of internationally recognized standardized tests: the

TOEFL (Test of English as a Foreign Language) for English, and the TEF (Test d'Evaluation de Français) for French. For the TOEFL, we administer the institutional PBT (Paper Based TOEFL), but also use the international IBT (Internet Based TOEFL). These tests are administered by the University before the start of each semester and are used for placement purposes only.

Because courses in the Language Center are intensive and production- driven, daily attendance is critical. For this reason, and because they will negatively impact students' acquisition, performance, and consequently, their grades, absences are discouraged and limited by regulation. After exceeding the maximum number of tolerated absences (5 absences for classes taught on Tuesdays and Thursdays, and 7 absences, a student receives a grade of WF and is withdrawn from the course in question.

Programs

The Intensive English language programs (IEP) constitute the main activity of the Language Center. Undergraduate students whose entry scores are below BPT 530 / IBT 71 are placed in this program. They may take up to three English courses per semester - at level one, level two, or a combination of the two - depending on their TOEFL scores and sub-scores, and on their results in the LC-developed Writing Placement Test (WPT.)

The LC also offers special programs, such as English for AUI Staff and Corporate Linguistic Training (CLT) through the Executive Education Center (EEC) to clients outside the University. In addition to English courses, the Center also offers courses in other languages for credit, such as Tamazight/Berber, French, and Spanish.

IEP: Intensive English Program

At each of the three levels, IEP consists of two courses of 75 contact hours per semester (Reading and Listening/Speaking) and one course of 150 contact hours (Writing and Grammar). Students are placed based on their TOEFL scores (or equivalent), sub-scores, and the results of the Writing Placement Test (WPT):

- TOEFL score 380 to 417..... the Pre-Academic Level
- TOEFL score 420 to 477……. Level 1
- TOEFL score 480 to 527……. Level 2

List of English Language Courses offered by the Language Center[1]

Course Code	Course Name
PALS 1001	Pre-Academic Listening and Speaking I
ALS 1001	Academic Listening, Speaking, and Note-taking I
ALS 1002	Academic Listening, Speaking, and Note-taking II
PARD 1001	Pre-Academic Reading I
ARD 1001	Academic Reading I
ARD 1002	Academic Reading II
PAWG 1001	Pre-Academic Writing and Grammar I
AWG 1001	Academic Writing and Grammar I
AWG 1002	Academic Writing and Grammar II

[1]For detailed course descriptions, refer to the Course Descriptions section of this catalog.

Assessment

All midterm and final exams are standardized for English language program students at all tracks and skill areas. Students take standardized midterms (week 7 or 8) and finals (week 16) prepared, administered, and graded by the LC faculty. In addition to these assessments, students are continuously assessed by their instructors in the form of written or oral quizzes, tests, and other measures.

The passing grade for undergraduates is 70% (C) and for graduates, it is 80% (B).

Quality Assurance and Improvement: Annual Program Review

To support and inform changes occurring in the LC English programs, a formal annual program review has been in place since 2002. The program review is a two-day period at the end of the spring semester during which faculty raise and discuss issues related to student responses to ILO surveys and to faculty reflections on course content, assessment, materials, and other relevant aspects of the program. The results of these discussions inform any changes to the LC English curriculum.

Coordination

To ensure a smooth and effective delivery of the program, the Academic Coordinator meets regularly with teachers at regular coordination meetings. These meetings address a wide variety of issues ranging from teaching methodologies, intended learning outcomes, writing and grading quizzes, midterms and finals, to sharing and discussing teaching materials. The Academic Program Coordinator also reviews the syllabi, evaluates teaching materials, and leads the annual LC Academic Program Review.

Other Languages at the LC

French

The second most important language taught in the Language Center is French. Courses in French are offered at different levels, ranging from beginner to proficiency. These courses can be taken to either satisfy specific degree requirements or as electives (see details under the Course Descriptions section of the catalog).

Two different types of French programs are available: French as a Foreign Language (FRE), mostly for international students, and French as a Second Language (FRN), for Moroccan students.

Newly admitted students are required to take a placement test in French. The results of this standardized international test (Test d'Evaluation de Français, TEF) determine how many French courses a student needs to take, and at what level. Students may not take French in their first semester of study at AUI.

Tamazight and Spanish

Apart from English and French, the LC offers regular academic courses in other languages. The languages presently on offer are Tamazight and Spanish. Other languages will be offered in the future.

Courses offered in these languages are open to all AUI students, bear credit,

and can satisfy some of the elective requirements for graduation.

LC Accreditation

The Intensive English Program of the LC is in full compliance with the standards of the CEA (Commission on English Language Program Accreditation) for English language programs and institutions. It was awarded accreditation from the Commission in 2009 for an initial five-year period. In 2014, it gained re-accreditation, this time for ten years, the maximum period for which re-accreditation is granted.

Additional Note:

For other details regarding LC faculty offices and LC study routes, please refer to the constantly updated student booklet on the LC website.

Graduate students are encouraged to check with their respective schools, or with the administration of the Language Center, for details about their English program placement and exit requirements.

Al Akhawayn Social Science Research Institute

Dr. Nizar Messari,
Director

Al Akhawayn University's Social Science Research Institute's (ASSRI) main mission is to provide scholars from Al Akhawyan University and from its School of Humanities and Social Sciences with the tools to perform their research activities. It coordinates, supports, conducts, and disseminates research in the Social Sciences. It also holds conferences, workshops, thematic speaking series, and occasional talks on different themes of the Social Sciences. It is currently made of three research units: a gender research unit centered around the Hillary Rodham Clinton Center for Women Empowerment, a national and international politics unit called Politics and International Studies Research Unit, and a Development Research Unit, all of which have received research grants, conduct research and hold regular activities.

ASSRI distinguishes itself from other social science research institutions in Morocco and in North Africa by building on the AUI Mission as an English-medium, not-for-profit, state institution of higher education and research that enjoys academic, administrative, and financial autonomy. ASSRI aims at responding to calls for proposals and bids from national and international institutions, in particular when they use English as a medium.

Individual SHSS faculty members have established good relationships with a number of internationally recognized research institutions and think tanks in North America, South America, Europe, and Asia. ASSRI aims to raise the level of these relationships from an individual basis to the institutional level. Beyond proposals that come from national and international agencies, individual researchers at ASSRI can also opt to pursue their own

research priorities. Current research projects and interests relate to:

1. Human Development at the local and regional scales (Ifrane, the Middle Atlas, the Fes-Boulemane-Meknès-Tafilalt Region);

2. Gender issues;
3. Literacy, Education, and Language;
4. Environmental issues, including forestry, land management, and water management;
5. Urban studies;
6. Governance and political participation;
7. International and regional affairs;
8. International Security issues;
9. Migration and Refugee issues;
10. Colonialism and Post-Colonialism;
11. Theoretical debates relative to Social Sciences; and
12. Communication and Media.

The Office of Institutional Research and Effectiveness

Dr. Moulay Cherif Belfekih,
Executive Director

The Office of Institutional Research and Effectiveness (OIRE) collects and analyses data and designs research studies on all aspects of university management and positioning to provide information for institutional planning and decision-making. OIRE ensures the integrity of the data it provides to University decision makers, the Board of Trustees, and other internal and external constituencies. It plays a crucial role in accreditation, strategic planning, and all quality assurance operations.

Hillary Rodham Clinton Center for Women's Empowerment

Claris Harbon,
Director

The Hillary Rodham Clinton Women's Empowerment Center (HCC) at Al Akhawayn University in Ifrane, Morocco, is an interdisciplinary research center for scholars, students, and faculty who study contemporary gender issues in Morocco and the Maghreb.

The HCC combines a contemporary focus with an awareness of historical forces that shape current gender discourses in North Africa. It is a center for interdisciplinary scholarship in gender and women's rights issues. The Center has a program of distinguished guest speakers, scholars-in-residence, conferences, and campus activities that involve undergraduate and graduate students. The HCC aspires to be at the forefront of gender studies scholarship in Morocco and promotes gender research and study throughout North Africa. HCC accomplishes this by:

1. Encouraging creativity, research, and excellence in scholarship among AUI faculty and students in endeavors related to women and gender;

2. Building interdisciplinary collaborations throughout the University by promoting inclusive and diverse research;
3. Developing research partnerships with universities in Morocco, the Maghreb, and internationally;
4. Contributing to the development of Women's and Gender Studies both nationally and internationally.

HCC provides resources for scholars to conduct research on gender in Morocco. A scholar-in-residence program brings distinguished and emerging scholars to campus for a semester or year. A monthly guest lecture series features experts in the field and stimulates development of new concepts and plans advancing women's rights and gender equality. In addition, the HCC organizes an annual international symposium, holds graduate student workshops, book launches, and contributes to campus events.

HCC promotes social justice issues, particularly those that affect women and provides a voice in national and transnational organizations focusing on research in women's rights. HCC also collaborates with the Azrou Center for Community Development in support of grassroots women's empowerment. Current HCC research focus is on gender and violence, underage marriage, Islamic feminism, Family Law (Moudawana), gender, and transitional justice.

The Azrou Center for Community Development

Mr. El Mehdi Idrissi,
Manager

The Azrou Center for Community Development is the University's instrument for providing the local and regional community with social, economic, and educational support services through poverty reduction, healthcare, and functional literacy programs. The establishment of the Center in 2002 is in line with the mission of the University and is the result of a generous gift from His Royal Highness Prince Abdulaziz Bin Fahd Ibn Abdelaziz.

The Center offers a variety of programs and services to its beneficiaries including skills training, vocational training, functional literacy for women, non-formal education (Primary Category), non-formal education (Second Chance/New Generation Schools), entrepreneurship awareness programs; language skills courses (English and French) and computer literacy course (Digital Unify Program). Activities are focused on the following three major domains.

Skills and Vocational Training Programs

These programs aim to increase the chances of integration of young graduates seeking employment into the labor market by offering a curriculum that meets the new requirements of the labor market and that emphasizes communication and soft skills in order to facilitate their integration into socio-economic lie and contribute to human development, which is considered to be one of the foundations of the fight against precariousness and poverty. These programs are also aimed at young people who are looking for a professional vocation and who wish to master the knowledge and techniques in specific fields:

Computer Science and Web Development, Commerce, Computer Graphics & Multimedia and Audiovisual, Hairdressing & Esthetics, Horizontal Weaving, Cutting & Sewing, Fashion Design and Pattern Making, etc.

Education and Training Programs

The Center's educational services consist mainly of providing education and training programs for illiterate women and girls through the functional literacy program. These programs also target school drop-outs while enabling them to learn, develop, and reconcile with school through insertion into the school system or integration into vocational or apprenticeship center.

Entrepreneurial Capacity Building Program

This program consists of providing beneficiaries with technical support to encourage them to develop their own projects and also to improve the structure of the Social and Solidarity Economy by mobilizing local and regional potential.

Health Services

Medical projects should serve several aspects of the population by offering general medical consultations. Health services include medical awareness campaigns in cardiology endocrinology, dermatology, urology, ophthalmology, as well as general medical consultations and HIV/AIDS screening. The Center also organizes awareness-raising sessions on various socio-medical topics, including women's reproductive health and childcare.

Center for Business Ethics

Dr. Ouafaa El Garah,
Project Manager

The Center for Business Ethics (CBE) was launched in April 2015 and was funded by Siemens AG in the framework of the Second Funding Round of the Siemens Integrity Initiative. The mission of the center is to enhance integrity in the Moroccan business environment and to raise awareness and promote clean business in different sectors, namely energy, healthcare, industry and infrastructure, and city management.

Creating a center for business ethics falls within the mission of Al Akhawayn University to uphold the highest academic and ethical standards and to promote equity and social responsibility.

The CBE constitutes a major player in the fight against corruption through the training of professionals, students, and educators, as well as conducting research projects and developing teaching case studies. The Center's activities revolve around good governance practices, curricula development, seminars, research, and auditor training.

The CBE brings a new perspective and spirit in fighting against corruption. Irrespective of the several law reforms and awareness campaigns initiated by the government to reduce this phenomenon, corruption remains one of the main factors hindering economic and social development in Morocco. The goal is to make of CBE a model that could be replicated in other universities in Morocco and in other countries in the region.

Center for Learning Technologies (CLT)

Dr. Hassane Darhmaoui,
Coordinator

The mission of the Center for Learning Technologies is to provide support to educators and students in their pursuit for excellence and innovation in the teaching and learning processes, through a meaningful and effective use of new technologies.

Goals:

1. Support faculty and instructors in their use of new technologies and maximize their potential for teaching and learning.
2. Disseminate best practices of new technologies in teaching and learning.
3. Promote effective use of innovative instructional technologies to enhance teaching and learning.
4. Support course development and production.
5. Research, evaluate, demonstrate, and integrate appropriate learning tools and techniques through consultation on teaching.
6. Promote distance learning (e-learning, MOOCs, mobile learning, etc.).

ATLAS Center: Advancement of Teaching, Learning, and Scholarship

Dr. Violetta Cavalli-Sforza,
Coordinator

The ATLAS mission is to support the learning environment at AUI by supporting faculty through promoting high academic and ethical standards, equity and social responsibility in their efforts to engage students. ATLAS seeks to come along side faculty at all stages of their careers to help create significant learning experiences for them and their students. This is accomplished through campus wide workshops, school based projects, small group dialogues and individual consultations to enhance teaching, learning and scholarship.

Activities:

- Faculty Development Workshops
- Faculty Institutes in Summer
- Teaching Squares
- Consultation and small group meetings
- Support of/cooperation with schools and centers on faculty development

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