كلية تقنية المعلومات

Al-Ahliyya Amman University

Faculty of Information Technology

Student Handbook



Academic Year 2026/2027

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Preface

This Student Handbook has been prepared to serve as a practical and reliable guide for students throughout their academic journey. It is designed to provide clear and organized information about the academic regulations, policies, procedures, services, and support resources that are essential to student life within the university.

The importance of this handbook lies in its role as a reference that helps students better understand their rights, responsibilities, and the expectations of university life. It also aims to support students in making informed academic decisions, complying with institutional regulations, and benefiting fully from the educational and administrative services available to them.

In addition, this handbook reflects the university's commitment to fostering a well-structured, supportive, and student-centered learning environment. By offering guidance on key academic and administrative matters, it contributes to enhancing student awareness, promoting responsibility, and encouraging active engagement in university life.

It is hoped that this handbook will be a valuable companion for all students and will contribute positively to their academic success, personal development, and overall university experience.

President's Message



In a leading step that turned dreams into reality, Al-Ahliyya Amman University was established in 1990 as the first private university in Jordan. Since its establishment, the University has taken pride in preparing generations of graduates who are qualified, trained, and equipped to compete competently and confidently in the local, Arab, and regional labor markets.

Al-Ahliyya Amman University is now considered a distinguished educational institution that has earned trust, respect, and appreciation at the local, Arab, and international levels, thanks to the high caliber of its graduates, who are spread across more than seventy countries. AAU graduates have become leaders, scientists, and experts in various fields of life. This achievement would not have been possible without the efforts of dedicated faculty members and administrators who have undertaken their responsibilities with commitment and professionalism, earning the trust of the University's founder, the Chairman, and the members of its Board of Trustees. I ask Allah to bless their efforts.

Al-Ahliyya Amman University has always demonstrated leadership in introducing initiatives and developing academic programs. The University has followed the Royal directives to review university study plans and programs and align them with labor market requirements to enhance graduates' qualifications and employment opportunities. In line with these directives, the University has continued to develop and introduce academic programs across various disciplines, while paying special attention to graduate studies and emerging fields of knowledge.

To maintain its tradition of excellence, the University is keen to attract distinguished faculty members and administrators who contribute to sustainable excellence, creativity, innovation, and modernization. The University also supports qualified staff members in pursuing advanced degrees in specialized fields at prestigious universities worldwide. To keep pace with academic and scientific developments and improve the quality of its educational outcomes, the University has strengthened its quality assurance systems and institutional practices. These efforts have positively contributed to improving academic and administrative performance and enhancing the quality of its academic programs.

Recognizing the importance of developing teaching and learning methods, the University continues to support and enhance the role of the Dr. Ahmed Al-Horani E-Learning Center in advancing digital learning and integrating modern educational technologies into the teaching and learning process.

Cooperation, integration, and interaction with local community institutions remain among the University's highest priorities. The University has a distinguished record of developmental, social, humanitarian, and community service activities undertaken by its students, faculty members, and administrators. These activities aim to serve the local community and contribute positively to society.

As an educational institution welcoming Jordanian, Arab, and international students from diverse nationalities, the University pays special attention to the needs of international students. It provides support to help them overcome academic, accommodation, and living challenges and experience the safety and warm hospitality of Jordan, embodied in the values of His Majesty King Abdullah II Ibn Al Hussein.

The University remains committed to providing a safe, supportive, and distinguished educational environment for its students and staff. We ask Allah to protect us all and grant us success under the Hashemite leadership. May the Peace, Mercy and Blessing of Allah be Upon You.

Amman Ahliyya University in Brief

Al-Ahliyya Amman University, established in 1990, is the first private university in Jordan and was founded to pioneer the role of the private sector in higher education. The University holds both general and special accreditations and is a member of Arab, Islamic and international university associations.

The University has achieved distinguished recognition at both the global and subject levels. It is ranked **643rd in the QS World University Rankings 2027** and within the **376–400 band in the Times Higher Education World University Rankings 2027**. It is also ranked **26th in the QS Arab Region University Rankings 2027** and is recognized as the leading private university in Jordan in the QS World University Rankings 2027, reflecting its strong academic standing and institutional excellence.

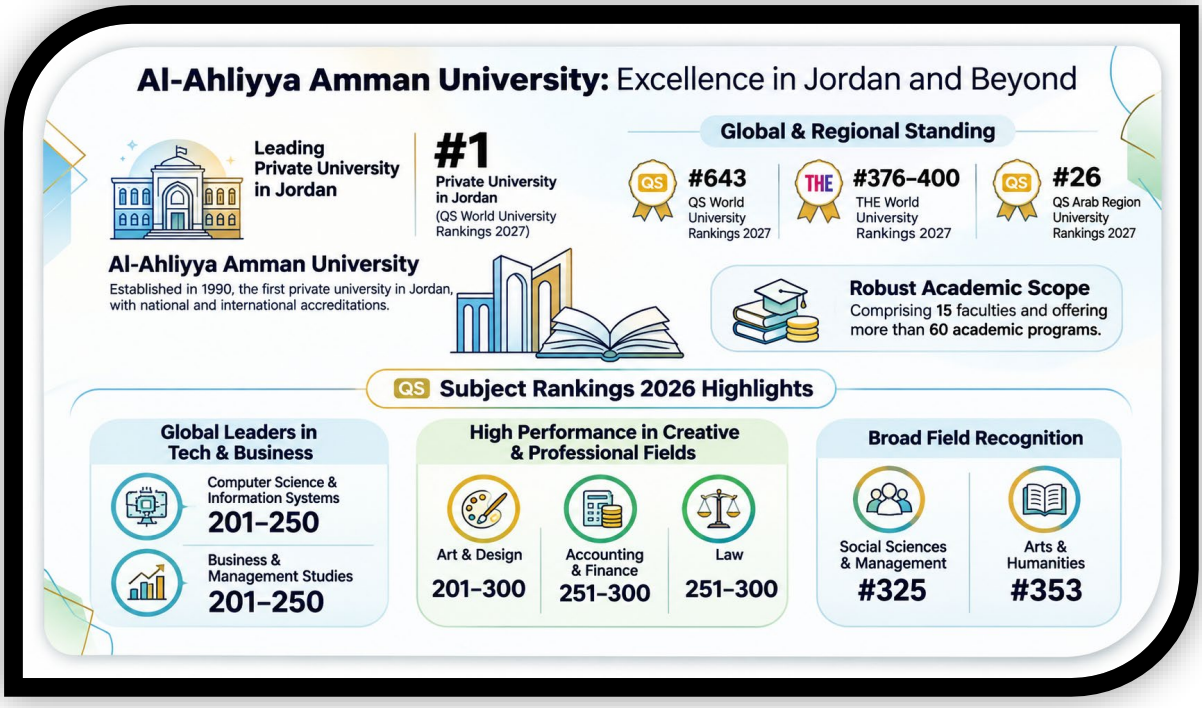
In the **QS World University Rankings by Subject 2026**, Al-Ahliyya Amman University achieved notable positions in several disciplines, including **Computer Science & Information Systems (201–250), Business & Management Studies (201–250), Art & Design (201–300), Accounting & Finance (251–300), Law (251–300), English Language & Literature (301–350), Pharmacy & Pharmacology (351–400),** and **Economics & Econometrics (451–500)**. In the broad subject rankings, the University was ranked 325th in Social Sciences & Management, **353rd in Arts & Humanities,** and within the **501–550 band in Engineering & Technology**.

The University is committed to excellence and the continuous improvement of educational outcomes through the implementation of quality assurance systems and ongoing monitoring across all faculties, academic departments, centers, and administrative units. It seeks to attain a leading position among higher education institutions in Jordan and across the Arab world.

In response to rapid technological developments, the University has adopted modern information technologies and e-learning systems and integrated them into the teaching and learning process across all disciplines, making it a pioneer in the effective use of advanced educational technologies.

Al-Ahliyya Amman University awards bachelor's degrees under the credit-hour system and offers a broad range of postgraduate programs in various fields. The University currently comprises **15 faculties** and offers **more than 60 academic programs**, all designed to meet national and regional needs and align with labor market demands, thereby enhancing employment opportunities for graduates in Jordan and neighboring Arab countries.

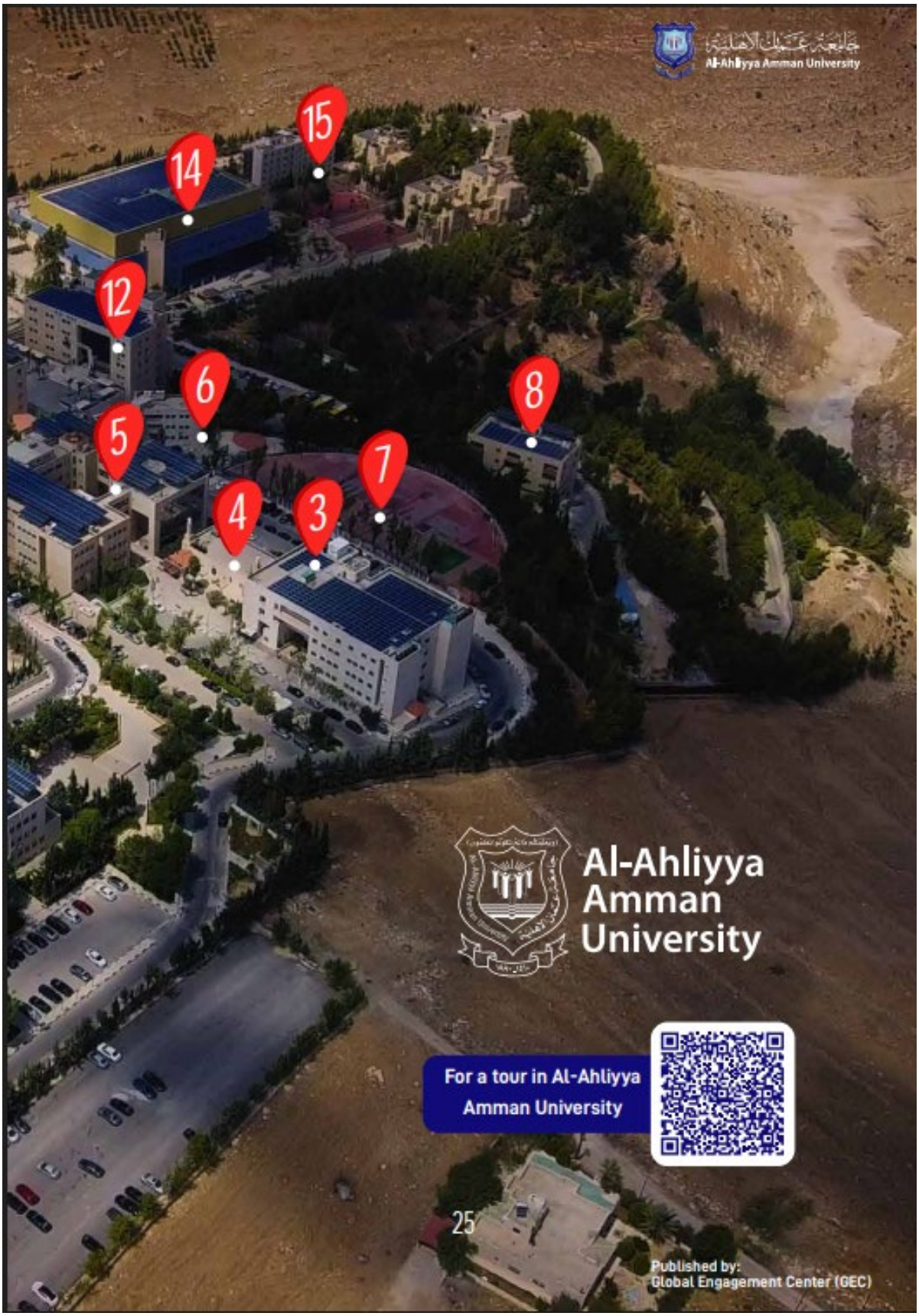
In addition, the University includes the Deanship of Student Affairs and the Deanship of Scientific Research and Graduate Studies. It continuously invests in the development of its academic and administrative staff, guided by its mission and philosophy, to enhance institutional performance and serve the nation and society.



University Contact Information

- Location: Al-Salt Road, Amman, Jordan
- Website: www.ammanu.edu.jo
- Postal Address: Amman Ahliyya University, P.O. Box, Postal Code 19111, Jordan
- Telephone: +962 5 3500211
- Fax: +962 6 5336104
- Mobile Numbers:
- +962 78 7641111
- +962 78 7631111
- +962 78 7642222
- +962 78 7632222




جامعة عمان الأهلية
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Published by:
Global Engagement Center (GEC)

Vision, Mission, and Core Values

Vision

A university of global impact, driving excellence in academia, research, and innovation to shape generations that transform society and lead the future.

Mission

To empower minds through knowledge, research, and innovation, and to develop globally competitive leaders who advance society and the knowledge economy.

Core Values

- **Integrity:** Honesty and mutual trust between the University and all stakeholders.
- **Transparency:** Openness, clarity, and objectivity in all aspects of work.
- **Belonging & Citizenship:** Strengthening a sense of belonging to the homeland among members of the academic and administrative staff and students.
- **Diversity:** Accepting students, appointing academic and administrative staff, and dealing with all parties without discrimination on any basis.
- **Social Responsibility:** Engaging with the community by providing distinguished services.
- **Cooperation:** Encouraging effective teamwork within the university environment.
- **Justice:** Ensuring fairness in dealing with the affairs of academic and administrative staff and students.
- **Accountability:** Accepting and taking responsibility for actions, decisions, and policies related to university administration and governance, and implementing them within the authority assigned to each employee according to their position.

Bachelor's Degree Regulations and Academic Requirements

The following section presents the English guide version of the Bachelor's degree regulations and academic requirements for student use.

Overview

These regulations summarize the main academic rules governing Bachelor's degree study at Al-Ahliyya Amman University. They are written in a clear student-friendly style while preserving the key academic provisions, procedures, limits, and graduation conditions stated in the approved regulations.

1. Scope and Key Terms

These regulations apply to students enrolled in Bachelor's degree programs at Al-Ahliyya Amman University, subject to any specific regulations applicable to their respective faculties or academic programs. In matters not specifically addressed by such regulations, the general University regulations shall apply.

- **University:** Al-Ahliyya Amman University.
- **Semester:** The first or second regular semester of the academic year.
- **Summer Semester:** The semester offered after the second semester and before the first semester of the following academic year.
- **Credit Hour:** An academic unit of measurement used to determine the credit value of a course.
- **Academic Load:** The number of credit hours a student is permitted to register for in one semester.

2. Approved Study Plan and Minimum Credit Hours

Each Bachelor's degree program has an officially approved study plan. The minimum graduation hours vary by faculty and specialization. For many Bachelor's programs, the minimum requirement is 132 credit hours, while some professional programs require a higher total.

Faculty	Program / Specialization	Minimum Credit Hours
Faculty of Arts and Sciences	English Language and Literature	132
Faculty of Arts and Sciences	English Language and Translation	132
Faculty of Arts and Sciences	Applied English Language	132
Faculty of Arts and Sciences	German and English Languages	144
Faculty of Arts and Sciences	Chinese and English Languages	144
Faculty of Information Technology	All specializations	132
Faculty of Law	Law	141
Faculty of Business	All specializations	132
Faculty of Nursing	Nursing	132
Faculty of Engineering	All specializations	160
Faculty of Pharmacy	Pharmacy	162
Faculty of Architecture and Design	Digital Architecture Engineering	165
Faculty of Architecture and Design	All other specializations	135

Faculty	Program / Specialization	Minimum Credit Hours
Faculty of Allied Medical Sciences	Medical Laboratory Sciences	137
Faculty of Allied Medical Sciences	Audiology and Speech Pathology	142
Faculty of Allied Medical Sciences	Optometry Science	132
Faculty of Allied Medical Sciences	Cosmetic Science	139
Faculty of Allied Medical Sciences	Physical Therapy	134
Faculty of Allied Medical Sciences	Pharmaceutical Biotechnology	134
Faculty of Allied Medical Sciences	Occupational Therapy	134
Faculty of Allied Medical Sciences	Clinical Psychology	135
Faculty of Agricultural Technology	Agricultural Biotechnology and Genetic Engineering	140
Faculty of Agricultural Technology	Food Manufacturing Technology	140
Faculty of Educational Sciences	All specializations	132
Faculty of Hospitality and Tourism Management	Hospitality Management and Culinary Arts	132
Faculty of Dentistry	Doctor of Dental Surgery	200
Faculty of Dentistry	Dental Technology	135
Faculty of Technical Education	Jewelry Design and Manufacturing	135

2.1 Faculty of Information Technology Programs

The Faculty of Information Technology offers undergraduate and graduate programs designed to develop strong disciplinary knowledge, practical skills, and applied research competence in computing and emerging digital technologies.

Bachelor's Programs

- **Computer Science:** 132 credit hours – Provides foundational and advanced knowledge in computing, including programming, systems analysis, databases, networks, cybersecurity, and practical training.
- **Software Engineering:** 132 credit hours – Focuses on software design, development, testing, maintenance, and engineering practices.
- **Networks and Cybersecurity**: 132 credit hours – Covers computer networks, cybersecurity principles, ethical hacking, digital forensics, and advanced networking skills.
- **Data Science and Artificial Intelligence:** 132 credit hours – Emphasizes data analysis, intelligent systems, analytics, and practical application of AI technologies.

Master's Programs

The Faculty also offers graduate-level programs that require the completion of 33 credit hours each and are designed to deepen advanced knowledge and research skills in specialized fields.

- **Master in Cyber Security:** 33 credit hours – Equips students with advanced expertise in cybersecurity, including risk assessment, threat detection and response, and ethical and legal aspects of digital security.

- **Master in Data Science and Artificial Intelligence:** 33 credit hours – Focuses on advanced methods in data science, intelligent systems, machine learning, and analytics.

Summary Table – Faculty of Information Technology Programs

Program	Degree	Minimum Credit Hours
Computer Science	Bachelor's	132
Software Engineering	Bachelor's	132
Networks and Cybersecurity	Bachelor's	132
Data Science & AI	Bachelor's	132
Master in Cyber Security	Master's	33
Master in Data Science & AI	Master's	33

3. Structure of the Study Plan

In general, the study plan includes University requirements, faculty requirements, specialization requirements, and the community service requirement.

3.1 University Requirements

University requirements are intended to provide all students with a common educational foundation and to strengthen communication, leadership, innovation, digital competence, and civic awareness. The University requirements consist of 24 credit hours.

Component	Details	Credit Hours
Compulsory University Requirements	Arabic Communication Skills, English Communication Skills, National Education, Military Sciences, Entrepreneurship and Innovation, Leadership and Social Responsibility, and Life Skills.	15
Elective University Requirements	Elective courses selected from approved University groups. A student may not choose an elective University course offered by the student's own department.	9
Remedial Requirements	Remedial Arabic Language, Remedial English Language, and Remedial Computer Skills. These do not count toward the graduation credit hours of the study plan.	9 (not counted in plan total)

Military Sciences is compulsory for Jordanian students and elective for non-Jordanian students. If a non-Jordanian student does not take this course, another substitute course carrying the same number of credit hours must be taken and counted in the cumulative GPA.

3.2 Placement and Exemption Rules for Remedial Requirements

Students must sit placement examinations in Arabic, English, and Computer Skills no later than the end of their first academic year. These examinations are offered during the first four weeks of each regular semester and the first two weeks of the summer semester. The main rules are as follows:

- A student who scores less than 50% in a placement examination is considered unsuccessful.
- A student who scores 50% or above in the Computer Skills placement test is exempt from Remedial Computer Skills.

- A student who scores 80% or above in the Arabic placement test is exempt from both Remedial Arabic Language and Arabic Communication Skills.
- A student who scores from 50% to 79% in the Arabic placement test studies Arabic Communication Skills only.
- A student who scores 80% or above in the English placement test is exempt from both Remedial English Language and English Communication Skills.
- A student who scores from 50% to 79% in the English placement test studies English Communication Skills only.

3.3 Faculty and Specialization Requirements

- Faculty requirements must represent at least 15% of the total credit hours of the study plan.
- Elective courses may not exceed 40% of the faculty requirements.
- Specialization requirements must represent at least 60% of the total credit hours of the study plan.
- Elective courses may not exceed 20% of the specialization requirements.
- Free elective courses may be included up to a maximum of 6 credit hours, provided they are not counted as elective University requirements.

3.4 Community Service Requirement

Each student must complete 10 hours of voluntary work and community service as a graduation requirement, in accordance with the relevant University instructions. In exceptional circumstances, the competent authority may approve an exemption.

4. Credit Hours, Course Levels, and Prerequisites

A course is normally assigned 3 credit hours unless its nature requires otherwise. For theoretical courses, one credit hour is equivalent to one teaching hour per week over a 16-week semester, including examinations. A 3-credit-hour theoretical course therefore equals 48 teaching hours per semester.

For practical or laboratory courses, one credit hour must not be less than 2 practical or laboratory hours per week, equivalent to 32 practical or laboratory hours per semester. Practical or laboratory courses may not exceed 4 credit hours.

Courses are arranged in levels according to the approved study plan of the programme and are assigned official codes. Each course may also have prerequisites and/or co-requisites.

A student may, in approved cases, register a course together with its prerequisite if the prerequisite was previously studied but not passed, if graduation depends on that course in the expected graduation semester, or if the student is a transfer or bridging student and receives the required Dean’s approval.

5. Academic Year, Duration of Study, and Academic Load

The academic year consists of two regular semesters and, where offered, a summer semester.

Item	Rule
Normal duration of study	8 semesters for four-year programs and 10 semesters for five-year programs.
Maximum duration of study	14 semesters for four-year programs and 16 semesters for five-year programs.
Additional semester	The University may approve one additional semester in exceptional cases if this leads to graduation.
Regular semester duration	16 weeks including examinations.
Summer semester duration	Determined by the University.

5.1 Academic Load

Registration Status	Regular Semester	Summer Semester
Minimum load	12 credit hours (or 9 with Dean's approval for justified reasons)	Not normally applicable; subject to summer rules
Maximum load	18 credit hours	10 credit hours
Maximum load for expected graduates	21 credit hours	13 credit hours

If the student's final semester is a practical training semester with no course registration, the semester preceding it is treated as the graduation semester for load-calculation purposes.

5.2 Academic Level Classification

Academic Level	Successfully Completed Credit Hours
Second year	At least 33
Third year	At least 66
Fourth year	At least 99
Fifth year	At least 132, where applicable

A student's registration may be cancelled if tuition and fees are not paid within the deadlines announced for that semester.

6. Attendance Policy

Attendance is compulsory in all courses.

- A student may not be absent for more than 15% of the total scheduled hours of any course, whether the absence is excused or unexcused.
- If the student exceeds the permitted absence limit without an accepted medical or compelling excuse, the student is deprived of the final examination, considered to have failed the course, and must repeat it even if it is elective.
- The failing grade resulting from deprivation is counted in the semester GPA and cumulative GPA for warning and dismissal purposes.
- If the student exceeds the permitted absence limit with an accepted medical or compelling excuse, the student is considered withdrawn from the course and the notation "Withdrawn" is recorded in the academic record.
- Students representing Jordan or the University in official activities may be allowed absence up to 25% of the attendance requirement for in-person or synchronous classes. If this percentage is exceeded, the student is considered withdrawn.
- The student must be notified before the penalty of deprivation is imposed.

Medical excuses are accepted only if supported by official documentation from the University clinic or another approved medical authority. Medical excuses must normally be submitted within two weeks from the end of the absence. Other compelling excuses must normally be submitted within one week from the end of the reason for absence.

7. Assessment, Examinations, and Marking

The final mark for each course consists of coursework and a final examination. The standard distribution is shown below, unless the nature of the course requires a different approved arrangement.

Assessment Component	Weight
Coursework, such as quizzes, assignments, reports, participation, projects, and e-learning activities	30%
Midterm examination	30%
Final examination	40%

For practical, laboratory, research, or special courses, the department may approve a different distribution of marks subject to faculty approval.

The course instructor is responsible for marking examinations, grading coursework, entering marks into the system, and approving them accurately. Coursework marks should be discussed with students, after which they are finalized and retained in the relevant department.

Final examination papers are kept by the faculty for at least one academic semester before being destroyed by an authorized committee.

For courses taught in more than one section or across more than one faculty, a unified course outline may be adopted, and examinations may also be unified where required.

7.1 Review of Final Examination Marks

A student may request a review of the final examination mark within two weeks from the official announcement of results after paying the prescribed fee. The review is limited to checking whether there is a clerical or objective marking error according to the approved answer key.

7.2 Absence from Examinations

- If a student misses an assessment other than the final examination because of a medical or compelling excuse, supporting evidence must be submitted within three days from the date the excuse ends. If accepted, a make-up examination is arranged; if not accepted, the student receives zero.
- If a student misses the final examination because of a medical or compelling excuse, the excuse must be submitted to the Dean within three days from the examination date.
- If the excuse is accepted, a deferred examination is arranged in the same semester or no later than the end of the second week of the following regular semester. The summer semester is not counted for this purpose.
- If the excuse is not accepted, the student receives zero in the final examination.
- The same principle applies, where relevant, to graduation project defense or completion if the excuse is accepted by the Dean.

8. Passing Grades and Grade Point Average (GPA)

The minimum passing grade is D in compulsory University requirements for all faculties, and D in all other requirements except in the Faculty of Nursing, where the minimum passing grade is C.

Letter Grade	Grade Point
A	4.00
A-	3.75
B+	3.50
B	3.00
B-	2.75
C+	2.50
C	2.00
C-	1.75
D+	1.50
D	1.00
D-	0.75
F	0.50

8.1 GPA Classification

Classification	Range
Excellent	3.65 – 4.00
Very Good	3.00 – 3.64
Good	2.50 – 2.99
Pass / Acceptable	2.00 – 2.49
Weak	Below 2.00

Semester GPA and cumulative GPA are calculated by multiplying the grade point of each course by the number of credit hours assigned to it, adding the resulting values, and dividing the total by the total registered credit hours. GPAs are rounded to two decimal places.

9. Academic Warning, Dismissal, and Remedial Study

A student whose cumulative GPA falls below 2.00 receives an academic warning.

- The student must remove the warning by raising the cumulative GPA to 2.00 or above within a maximum of two academic semesters.
- A student may be transferred to remedial study or dismissed from the specialization if the warning is not removed within the allowed period.
- A student is permanently dismissed from the specialization if the cumulative GPA falls below 1.00 in any semester, except the first semester in the specialization and except the summer semester.

- A student who is permanently dismissed may not return to the same specialization unless the previous registration is cancelled and a new University number is issued.

9.1 Remedial Study

A student temporarily dismissed from regular study because the cumulative GPA is below 2.00 may be admitted to remedial study if the cumulative GPA is not less than 1.00.

- The student is normally granted four semesters to raise the GPA to 2.00 or above.
- If this is not achieved, dismissal from the specialization may follow unless the student has completed at least 75% of the graduation credit hours and has a cumulative GPA of at least 1.75. In that case, two additional semesters may be granted.
- The Council may grant one final remedial semester in exceptional cases.
- The maximum academic load during remedial study is 15 credit hours in a regular semester and 9 credit hours in the summer semester.
- A student returns automatically to regular study once the cumulative GPA reaches 2.00 or above.
- An additional 50% of the tuition fee per credit hour is charged during remedial study.

10. Repeating Courses and Completion Examination

A student must repeat any course in which a failing grade is obtained. In most faculties, this applies to grades of D- or F. In the Faculty of Nursing, this applies to grades of C-.

- If a failed course is compulsory, it must be repeated.
- If a failed course is elective, the student may either repeat it or replace it with another approved elective course in the study plan.
- A student may also repeat a previously passed course with a grade below C+ in order to improve the cumulative GPA.
- For repeated courses, the credit hours are counted only once toward graduation, and the higher grade is used in GPA calculation.

10.1 Completion Examination for Expected Graduates

A student expected to graduate may, under specific conditions, sit a completion examination instead of repeating one course.

- The course must not exceed 3 credit hours.
- The student must pay the prescribed fee.
- The examination is held in the same semester or no later than the end of the second week of the following semester.
- A student expected to graduate may also sit a completion examination in one course of not more than 3 credit hours if all graduation requirements are completed but the cumulative GPA is still below 2.00, provided the relevant conditions are met.
- A completion examination is graded out of 100 and converted to a final letter grade according to the normal grading scale.
- A completion examination is not permitted where failure resulted from deprivation due to absence, or where academic dismissal or a disciplinary penalty prevents it.

11. Add / Drop, Withdrawal from Courses, and Deferment

11.1 Add / Drop

A student may add or drop courses during the official add / drop period announced in the academic calendar. During this period, no “Withdrawn” notation is recorded.

In specified cases, the student does not bear the financial consequences of add / drop, such as changing specialization, resolving timetable changes or advising errors, or repeating a course under the approved conditions.

11.2 Withdrawal from Courses

Withdrawal from one or more courses is allowed within the approved deadline:

- No later than the end of the 14th week of a regular semester.
- No later than the last week before the end of the summer semester.

In such cases, the notation “Withdrawn” is recorded in the academic record and the student bears the related financial consequences according to University rules. Withdrawal must not reduce the academic load below the minimum allowed unless otherwise approved.

A student may also request withdrawal from all courses registered in a semester. If approved, the semester is treated as postponed.

11.3 Deferment of Study

A student may apply to defer study for one semester if there is an accepted reason.

- The request may be approved by the Dean if submitted before the end of the fourth week of the semester.
- In other cases, approval is issued by the President.
- A student may defer study for up to four consecutive or separate semesters. The Council may increase this up to six semesters.
- The deferment period is not counted within the maximum allowed duration of study.
- A new or transfer student may not defer study until completing at least one semester at the University.

12. Discontinuation, Withdrawal from the University, and Re-registration

12.1 Discontinuation of Study

If a student stops studying for more than one regular semester without approved deferment, the registration may be cancelled unless re-registration is approved for a compelling reason.

- The discontinuation period is counted within the maximum allowed duration of study.
- A student may not discontinue study for more than six consecutive or separate semesters.

12.2 Withdrawal from the University

A student who wishes to leave the University must submit an official withdrawal request to the Admission and Registration Department.

- Financial clearance is required before finalizing withdrawal.
- If the student later returns within the permitted period and is approved for re-registration in the same specialization, the student resumes the academic record according to the study plan in force at the time of re-registration.
- The previous period of study remains counted within the maximum allowed duration.

13. Transfer and Bridging

13.1 Transfer from another University

A student may transfer from a recognized university if the approved transfer conditions are met.

- The secondary school average must qualify the student for the new specialization.
- The transferring institution must be officially recognized.
- At least 50% of the study plan credit hours must be completed at Al-Ahliyya Amman University.

- Passed courses may be counted if they match the approved study plan and are approved by the faculty.
- Grades earned at another university are not included in the cumulative GPA at Al-Ahliyya Amman University.

13.2 Bridging Students

Students transferring from community colleges may be admitted according to the applicable regulations of the Ministry of Higher Education and Scientific Research.

13.3 Internal Transfer between University Programmes

A student may transfer from one specialization to another within the University if the admission requirements of the new specialization are met.

- Passed courses may be counted toward the new study plan if they fit the programme requirements.
- After internal transfer, the student is treated as a new student in the new specialization for warning, deferment, and dismissal purposes.

14. Substitute Courses, Equivalent Courses, and Study at another University

14.1 Substitute and Equivalent Courses

In special academic cases, the Dean may approve registration in a substitute course or an equivalent course.

- A substitute course may be approved for up to two courses, provided it carries the same number of credit hours and does not require an unmet prerequisite.
- Equivalent courses must match the original course as closely as possible in both credit hours and academic content.
- These options are normally used when graduation depends on a course that is not offered, conflicts with another course, or cannot otherwise be completed on time.

14.2 Studying at another University during summer

A regular student may be allowed to study up to 9 credit hours during the summer semester at a Jordanian public university or at a recognized university outside Jordan, subject to prior approval and the required academic conditions.

- The student must have completed at least 48 credit hours at Al-Ahliyya Amman University.
- The cumulative GPA must be at least 2.50.
- The courses must be specialization requirements only.
- The course description and credit hours must be equivalent to, or greater than, those at the University.
- Prerequisites must already have been completed at the University.

Practical training, field training, and graduation projects may not be completed at another university under this rule. In all cases, the total number of credit hours counted by transfer or study elsewhere may not exceed 50% of the total study plan credit hours, unless special regulations provide otherwise.

15. Additional Courses, Postponement of Graduation, and Degree Award

15.1 Additional Courses to Raise GPA

A student who has completed all graduation requirements except the minimum cumulative GPA may take additional courses beyond the study plan hours to raise the GPA to the required level.

15.2 Postponement of Graduation

A student who has completed the graduation requirements may request postponement of graduation for the purpose of improving the cumulative GPA. The request must be submitted within one week from the official announcement of results and before the degree is formally awarded.

15.3 Graduation Requirements

The Bachelor's degree is awarded when the student has:

- Passed all courses required in the approved study plan.
- Achieved a cumulative GPA of at least 2.00.
- Completed the graduation semester at the University.
- Obtained financial clearance.
- Completed the period of study without exceeding the maximum permitted duration.
- Fulfilled any additional University graduation requirements, including community service where applicable.

16. Student Responsibility

Students are expected to know and follow all University regulations, instructions, announcements, academic calendars, and information published through official University channels, including the website and student portal. A student may not claim lack of knowledge of regulations as an excuse.

17. Implementation and Final Authority

These regulations are implemented by the relevant University authorities, including the President, Deans, Heads of Departments, and the Admission and Registration Department. The competent University authority shall decide any matter not expressly covered by these regulations.

Master's Degree Regulations and Academic Requirements

Detailed English translation arranged for inclusion in the Faculty of Information Technology academic guide.

Instructions for Granting the Master's Degree at Al-Ahliyya Amman University for the Year 2023

Issued pursuant to the Jordanian Universities Law No. (18) of 2018 and the Amending Law No. (18) of 2019

Article (1)

These instructions shall be called the "Instructions for Granting the Master's Degree at Al-Ahliyya Amman University", and they shall come into effect from the date of their approval.

Article (2)

The following words and expressions, wherever they appear in these instructions, shall have the meanings assigned to them below unless the context indicates otherwise:

- University: Al-Ahliyya Amman University
- President: The President of the University
- Council: The Council of the Faculty of Graduate Studies
- Dean: The Dean of the Faculty of Graduate Studies
- Faculty: Any faculty offering a Master's programme
- Department: Any academic department in the relevant faculty
- Faculty Committee: The Graduate Studies Committee in the faculty
- Department Committee: The Graduate Studies Committee in the department
- Supervisor: A faculty member eligible to supervise
- Programme: Any Master's programme at the University
- Assistantships / Stipends: Financial allocations paid to graduate students in accordance with the applicable instructions

Chapter One: Study Plan

Article (3)

The minimum number of credit hours required for obtaining the Master's degree shall be 33 credit hours, according to the study plan approved by the Council. These requirements shall be distributed according to the two Master's study tracks, as follows:

First: Thesis Track

- Successful completion of the compulsory courses, totaling 15 credit hours as a minimum at the 700 level, including a course in Research Methodology.
- Successful completion of the elective courses, totaling 9 credit hours as a maximum at the 700 level.
- Preparation of a university thesis, allocated 9 credit hours, carrying the course number 799.
- In special cases, as determined by the department and faculty committees and upon the nomination of the academic advisor, a student may study an elective course from the study plan or from the plan of another Master's programme offered in the same faculty as a substitute for a compulsory or elective course that is not offered, provided that the number of substitute courses does not exceed two courses.

Second: Comprehensive Examination Track

- Successful completion of the compulsory courses, totaling 24 credit hours as a minimum at the 700 level, including a course in Research Methodology.

- Successful completion of the elective courses, totaling 9 credit hours as a maximum at the 700 level.
- Passing the comprehensive examination after completing all courses successfully. This examination shall carry the course number 798.
- In special cases, as determined by the department and faculty committees and upon the nomination of the academic advisor, a student may study an elective course from the study plan or from the plan of another Master's program offered in the same faculty as a substitute for a compulsory or elective course that is not offered, provided that the number of substitute courses does not exceed two courses.

Article (4)

- A student may transfer from the comprehensive track to the thesis track within the same programme by a decision of the Council based on the recommendation of the department and faculty committees, provided that the student has completed 12 credit hours of the study plan with a cumulative GPA of not less than 3.00, and that a supervisor for the thesis is available.
- A student may transfer from the thesis track to the comprehensive track by a decision of the Council based on the recommendation of the department and faculty committees.
- When a student transfers from one track to another, the courses already studied within the approved study plan shall be counted for the student, and the grades of those courses shall be included in the student's cumulative GPA.

Article (5)

- The department offering the specialization may, at the time of admission, determine the remedial courses required from Bachelor's or Higher Diploma level courses deemed necessary to raise the student's academic level, provided that such courses do not exceed 9 credit hours. These courses shall be specified in the admission application. The student may also be exempted from such courses, by recommendation of the department and faculty committees and a decision of the Council, if evidence is available proving the student's competence at the previous stage.
- The credit hours of remedial courses shall not be counted within the credit hours required for the degree, but they shall appear on the student's transcript.
- The student must complete the remedial courses successfully no later than the end of the first academic year after joining the program. In special cases, the Council may allow the student to exceed this period, upon nomination by the academic advisor and recommendation of the department and faculty committees.

Article (6)

- The maximum period allowed for obtaining the Master's degree shall be 8 academic semesters, extendable by one academic semester, subject to the approval of the Dean of the faculty and the recommendation of the department and faculty committees. The summer semester shall, for this purpose, be considered an extension of the second regular semester and shall not require separate extension approval.
- The summer semester shall be considered a semester intended primarily for thesis preparation. In special cases, as determined by the department and faculty committees, courses may be offered during it.
- The total period of deferment and withdrawal together may not exceed two academic semesters, and this period shall not be counted within the maximum duration allowed for obtaining the degree.

Article (7)

- Subject to the accreditation instructions applicable to graduate studies programs and the tuition regulations in force at the University, the minimum academic load in the first and second semesters shall be 6 credit hours, and the maximum shall be 9 credit hours. Thesis hours are counted within the academic load. A student expected to graduate at the end of the relevant semester may register up to 12 credit hours only.

- The maximum academic load in the summer semester shall be 6 credit hours, including remedial courses. A student expected to graduate at the end of the summer semester may register up to 9 credit hours only.
- In special cases, as determined by the department and faculty committees, a student may be allowed to register 3 credit hours in any semester, provided that this occurs only once during the period of study, excluding the graduation semester.
- A student may register the thesis in installments over a maximum of three semesters, with a minimum of 3 credit hours in one semester.

Chapter Two: Admission

Article (8)

The admission requirements for the program shall be as follows:

- The applicant must hold a Bachelor's degree in accordance with the general bases for admission of Jordanian and international students issued by the Ministry of Higher Education and Scientific Research in Jordan.
- The Bachelor's degree must be in the field of specialization or in a related field, according to the study plan of the program.
- The applicant must submit a certificate showing that he/she has passed the TOEFL or IELTS examination, or as otherwise decided by the Higher Education Council. Otherwise, the student must pass the required English language proficiency course offered by the University during the first semester after joining the program, and the applicable instructions issued by the Ministry of Higher Education and Scientific Research shall apply in this regard.

Article (9)

The Council may, based on the recommendation of the department and faculty committees, set additional special conditions for admission to any program it offers, provided that:

- These conditions do not conflict with the instructions applicable to graduate studies program.
- These conditions appear clearly in the study plan submitted for accreditation and become part of it.
- These special conditions may include an examination in a subject from the relevant departments, subject to the approval of the Council.

Article (10)

Applications for admission to Master's program shall be submitted on the form prepared for this purpose to the Faculty of Graduate Studies during the period specified by the Council, together with all required supporting documents.

Article (11)

- A student may not be admitted to two academic program simultaneously at any stage of study.
- If a student is permanently dismissed from a program, he/she may not be admitted to the same program again.

Chapter Three: Graduate Studies Committees and Their Functions

Article (12)

The Department Committee shall be formed by a decision of the Dean of the faculty, after consultation with the Head of Department. It shall exercise the powers of the Department Council relating to graduate studies, and shall be composed as follows:

- The Head of Department as Chair; if the conditions for teaching and supervision in graduate programs are not met, another faculty member may be appointed by the Dean of the faculty to chair the committee.
- At least two members from among Professors and Associate Professors. When necessary, the committee may include Assistant Professors, provided that they meet the conditions for teaching and supervision in graduate studies programs.

The Department Committee shall supervise graduate studies affairs in the department, ensure compliance with graduate studies regulations and research ethics, and shall have the following powers:

- Appointing an academic advisor at the beginning of the academic year for students of the specialization in the department from among those who meet the conditions for teaching and supervision.
- Submitting recommendations on the following matters to the Faculty Committee:
- Introducing new programs
- Reviewing and updating study plans of the programs offered by the department
- Approving course examination results of the programs in the department
- Appointing supervisors and co-supervisors
- Announcing research topics proposed by faculty members
- Proposing university thesis projects
- Forming discussion committees
- Determining thesis defense dates
- Preparing lists of students nominated for scholarships/assistantships, following up their work, and securing their needs within the department
- Coordinating scientific seminars related to programme students
- Informing students of the study plan applicable to them
- Holding meetings with graduate students to discuss their issues
- Preparing a list of students expected to graduate in each semester
- Forming comprehensive examination committees

Article (13)

The Faculty Committee shall be formed by a decision of the Faculty Council of the relevant specialization and shall exercise the powers of the Faculty Council relating to graduate studies. It shall be composed as follows:

- The Dean of the faculty as Chair, or his/her delegate from among faculty members who meet the conditions for teaching and supervision in graduate studies programs
- Heads of department committees that offer the programme
- Faculty members who meet the conditions for teaching and supervision

The Faculty Committee shall supervise graduate studies affairs in the faculty, ensure compliance with graduate studies regulations and research ethics, and shall undertake the following:

- Studying the proposals and recommendations of the department committees referred to in Article (12)(b)(2), and submitting them to the Council
- Sending a list containing the names, addresses, and exact specializations of external examiners/discussants for each programme to the Faculty of Graduate Studies
- Recommending to the Council the introduction of new programs in the faculty, or the amendment of existing programs or their courses
- Organizing regular meetings with Master's students in the faculty to discuss their issues
- Preparing an annual report on graduate studies programs in the faculty
- Approving course examination results of the programs

The Faculty Committee shall undertake the duties of the Department Committee where no Department Committee exists.

Article (14)

A committee called the "Theses and Dissertations Ethics Committee" shall be formed by a decision of the Council at the beginning of each academic year, as follows:

- The Dean of the Faculty of Graduate Studies — Chair
- One faculty member from the humanities faculties at the rank of Professor
- One faculty member from the scientific faculties at the rank of Professor
- One faculty member from the health faculties at the rank of Professor
- The committee may, in special cases, seek assistance from any person it deems appropriate.

- The committee shall examine cases involving ethical issues upon recommendation from the department and faculty committees and the Council, including the extent to which the research meets the standards and conditions of scientific research, protects the rights of study participants and groups in general, and observes intellectual property laws.

Article (15)

The academic advisor shall perform the following duties:

- Introducing the student to the philosophy, foundations, traditions, and regulations of graduate studies at the University
- Assisting the student in adaptation and in acquiring the skills necessary for success in graduate studies
- Following up the student academically according to the advisory plan

The supervisor shall perform the following duties:

- Supervising the student's progress in the thesis topic
- Guiding the student and ensuring regular communication with him/her
- Submitting a semester report to the Department Committee on the student's progress in the thesis topic

Chapter Four: Transfer and Change of Programme

Article (16)

A student may transfer from one programme to another within the University, or transfer to it from a Master's programme in another university, provided that the student satisfies the admission requirements of the programme to which he/she wishes to transfer.

Article (17)

- Transfer applications shall be submitted to the faculty concerned on the form prepared for that purpose.
- Approval of transfer from one Master's programme to another within the University, or from a Master's programme at another university, shall be made by a decision of a committee composed of the Dean, the Dean of the relevant faculty, and the Head of the relevant department, according to the form prepared for that purpose.

Article (18)

- If a student is admitted to the programme and has previously studied free-study courses at the University, up to 12 credit hours of those courses may be counted for the student.
- For a student transferred from outside the University, or admitted after studying courses at another university, up to 9 credit hours may be counted.
- The maximum period allowed for obtaining the degree shall be reduced by one academic semester for every 9 credit hours counted for the student.
- Courses studied at another university may be counted provided that:
- They are equivalent in level and content to a course or courses in the approved study plan
- The student's grade in each such course is not less than C+ or its equivalent
- When a student transfers to or is admitted to another programme:
- Courses selected by the department and faculty committees from those studied in the previous programme shall be counted, and their grades shall be included in the cumulative GPA if the transfer is within the University
- Courses selected from those studied in the previous programme shall be counted, but their grades shall not be included in the cumulative GPA if the transfer is from outside the University
- Courses from a Master's programme previously completed by the student before admission to a new Master's programme may be counted provided that:
- The similarity in study plan content is not less than 70%
- The number of counted credit hours does not exceed 6 credit hours

- The Council shall decide on the counting of courses based on the recommendation of the department and faculty committees.
- Courses from a Higher Diploma programme may not be counted when a student joins a Master's programme, unless the Higher Diploma was obtained as a result of failure to obtain the Master's degree. In that case, no more than 9 credit hours from the previous plan may be counted.

Article (19)

- A student enrolled in a programme at the University may, by decision of the Deans' Council, study up to 3 credit hours in an equivalent programme at an official Jordanian university or any university outside Jordan recognized by the University, provided that prior approval is obtained from the Faculty of Graduate Studies based on the recommendation of the relevant department and faculty committees.
- The grades of the credit hours referred to in paragraph (a) shall not be counted in the cumulative GPA.

Chapter Five: Courses, Grades, and Examinations

Article (20)

The student's grade shall be recorded in letters from A to C.

The following grade points shall be assigned to the letter grades:

A	**= 4.00**
A-	**= 3.75**
B+	**= 3.50**
B	**= 3.00**
B-	**= 2.75**
C+	**= 2.50**
C	**= 2.00**

Article (21)

- The minimum passing grade in every programme course is C+. As for remedial courses, the student must pass them successfully according to the level of the course.
- The cumulative GPA shall be classified as follows:
- Excellent: 3.65 – 4.00
- Very Good: 3.00 – 3.64

Article (22)

- The minimum cumulative GPA required for passing the programme courses is 3.00 points.
- If a student's cumulative GPA falls below 3.00, the student may repeat up to 6 credit hours maximum from the study plan throughout the period of Master's study, provided that the grade in each course to be repeated is lower than B.
- If a student repeats a course due to failure or to raise the cumulative GPA, the higher grade shall be counted in both the semester and cumulative GPA, while the other grade shall remain on the academic record.
- If the repeated course is an elective, the student may study another elective course instead, and the higher grade of the two shall be counted in the semester and cumulative GPA, while the other remains on the academic record.

Article (23)

The grade distribution for each course shall be as follows:

- Semester work: 60%, including one written exam worth 30% and other work worth 30%
- Final examination: 40%

Courses of a special nature are exempt from the above, such as Research Methodology, projects, laboratories, designs, drawings, practical tests, field training, and clinical training that carry credit hours. The grades of such courses shall be distributed according to what is determined by the department or faculty committee.

Notwithstanding these instructions or any other regulations in force at the University, the Council may, by exception and in emergency situations, take whatever decision it deems appropriate regarding examinations, grades, and GPA calculations. This includes, without limitation, holding examinations or tests by conventional, in-person, electronic, or other means; distributing course grades; determining the method of converting grades into letters and recording them; setting the percentage distribution of letters among students; deciding whether students may choose between the letter grade system and the Pass/Fail system without counting it in the cumulative GPA; and determining whether such procedures may apply to courses already failed and repeated in a later semester.

Chapter Six: Attendance

Article (24)

- If a student's absence without an excuse accepted by the Dean of the relevant faculty exceeds 20% of the total hours prescribed for any course, the student shall be deprived of taking the final examination in that course and shall be considered failed in it. The student must repeat the course if it is compulsory. In all cases, the result of that failure shall be included in the calculation of the semester and cumulative GPA for purposes of warning and dismissal.
- If a student's absence with an excuse accepted by the Dean exceeds 20% of the total prescribed hours of one or more courses, the student shall be considered withdrawn from the course or courses.
- Absence shall be counted from the first lecture at the start of teaching. For new students admitted after teaching has begun, absence shall be counted from the date of admission.
- A student shall be considered not registered in a course if he/she has not paid the fees. With the approval of the President of the University, payment may be deferred for students unable to pay, for a period of 6 weeks in a regular semester and 3 weeks in the summer semester.

Article (25)

- A student who is absent from the final examination shall be recorded as Absent (غ) in the final grade column of the grade sheet.
- A student who is absent from the announced final examination without an excuse accepted by the Dean of the faculty shall be considered to have failed that examination and shall receive a zero in it.
- A student who is absent from an announced examination due to illness or a compelling excuse must submit evidence of the excuse to the Head of Department within three days from the date the excuse ceases. If the excuse is accepted, the course instructor shall be informed and must conduct a make-up examination within one week from the date of notification of acceptance of the excuse.
- A student who is absent from the announced final examination due to illness or a compelling excuse must submit evidence to the Dean of the faculty within three days from the date the excuse ceases. If the excuse is accepted, the Dean shall notify the Head of Department, who in turn shall notify the course instructor to conduct a deferred examination for the student no later than the end of the second week of the following semester. The summer semester shall not be counted for this purpose. The Director of Admission and Registration must be officially informed accordingly.
- The notation Absent shall be recorded on the grade sheet for the course in which the student was absent from the final examination with an excuse accepted by the Dean. If the excuse does not cease within the period specified above, the student shall be considered withdrawn from that course by a decision of the Dean, and the Director of Admission and Registration shall be notified accordingly in all cases.

Chapter Seven: Withdrawal

Article (26)

- A student may make a late withdrawal from one or more courses no later than the end of the fourteenth week from the beginning of a regular semester, and the seventh week from the beginning of the summer semester. The notation “Withdrawn” shall be recorded on the student’s record. In all cases, the number of registered credit hours must not fall below the minimum academic load permitted under these instructions. Withdrawal in this case shall be processed according to the form prepared for that purpose.
- A student whose total absences, with an excuse accepted by the Dean, exceed 20% of the prescribed hours of the semester courses shall be considered withdrawn from that semester, and that semester shall not be counted within the maximum period of deferment, and this shall be permitted once only.
- The Dean of the faculty may approve the student’s withdrawal from all courses registered in a semester, provided that the withdrawal request is submitted at least two weeks before the final examinations. The notation “Withdrawn” shall be recorded in the student’s record, and that semester shall be considered deferred.
- The Council may approve the student’s final withdrawal from the programme to which he/she was admitted, provided that the request is submitted at least two weeks before the final examinations.
- A student who has withdrawn from the programme may not return to study in the same programme again if the cumulative GPA at the time of withdrawal was less than 3.00.

Chapter Eight: Deferment and Interruption of Study

Article (27)

A student applying for deferment must have spent at least one academic semester in the programme in which he/she is enrolled.

Article (28)

The deferment request shall be submitted on the form prepared for that purpose. Approval shall be issued by the Dean if the deferment is for one semester, and by the Council if the deferment is for two academic semesters.

Article (29)

If a semester ends and the student is neither registered nor deferred for that semester, the student shall be considered interrupted for that semester. If the interruption exceeds one academic semester, the Council may approve re-registration if an excuse accepted by the Council is submitted. The period of interruption shall be counted within the maximum duration allowed for obtaining the Master’s degree.

Chapter Nine: Academic Warning and Dismissal from Study

Article (30)

Without prejudice to the rule that a student shall not be given an academic warning at the end of the first semester after joining the specialization, a student shall be warned in the following cases:

- If, at the end of any academic semester, the student does not attain the minimum cumulative GPA.
- If the Faculty Council of the specialization, based on a report from the supervisor and the recommendation of the department and faculty committees, finds that the student’s progress in preparing the thesis is unsatisfactory.

Article (31)

A student shall be considered temporarily dismissed from regular study if the cumulative GPA falls below 3.00 points at the end of the semester following the warning. In this case, the remedial study instructions shall apply to the student.

Article (32)

A student shall be considered permanently dismissed in the following cases:

- If the student does not attain the minimum cumulative GPA of 3.00 points at the end of the remedial semester granted according to these instructions
- If the student fails the comprehensive examination for the Master's degree (comprehensive track) for the second time
- If the student does not fulfill the graduation requirement within the maximum period allowed under these instructions
- Decisions of academic warning and temporary transfer to remedial study shall be issued by the Director of Admission and Registration.
- Decisions of final dismissal from the University shall be issued by the Deans' Council upon nomination by the Director of Admission and Registration.
- Decisions of warning, temporary dismissal to remedial study, final dismissal from the University, and any other academic matters related to students shall be announced on the student notice board or any electronic publication means approved by the University, and such announcement shall constitute legal notification.

Chapter Ten: Remedial Study

Article (33)

A student who has been temporarily dismissed from regular study may be admitted to remedial study. In this case, the student shall be granted one remedial semester to raise the cumulative GPA to 3.00 points or above. If the student fails to do so, he/she shall be permanently dismissed from the enrolled programme. In exceptional cases, the Deans' Council may grant the student one additional remedial semester only.

Article (34)

The student shall automatically return to regular study if he/she succeeds in raising the cumulative GPA to 3.00 points or above in the remedial semester.

Article (35)

Students registered in remedial study shall be subject to the same rules of attendance, examinations, and grades stated in the Master's degree instructions.

Article (36)

A remedial-study student shall benefit from all University services and facilities available and shall be granted a University ID card.

Article (37)

The period of remedial study shall be counted within the maximum number of years allowed for study at the University.

Chapter Eleven: Supervision of Theses

Article (38)

- At the beginning of each semester, academic departments in the faculties shall announce the research topics proposed by faculty members so that graduate students may benefit from them in identifying thesis topics. A student may, however, propose a research idea outside the announced topics.
- A student may submit the thesis proposal and register it, provided that he/she has completed at least 12 credit hours, including the course Research Methodology, and has a cumulative GPA of not less than 3.00 points. Thesis registration may not be delayed beyond the end of the fourth semester from joining the programme.
- The student shall submit a thesis proposal including the research problem, objectives, importance, methodology, structure, and references.

- A committee of specialists in the department, composed of at least three faculty members who meet the conditions for teaching and supervision in the programme, shall be formed to discuss the student's thesis proposal.
- The Council shall issue a decision, based on the recommendation of the department and faculty committees, including the appointment of the supervisor and the approval of the thesis title and proposal, according to the form specified by the Faculty of Graduate Studies.
- The period between the appointment of the supervisor and approval of the proposal on the one hand, and the setting of the thesis defense date on the other, must be at least four months.

Article (39)

- Teaching, supervision, and preparing and grading the comprehensive examination in the programs shall be undertaken by faculty members at the rank of Professor, Associate Professor, Assistant Professor, or those who have held any of these ranks at the University or at another university recognized by the University.
- For accreditation of faculty members at the rank of Professor or Associate Professor, one of the following conditions must have been fulfilled within the last five years:
- At least two research papers published or accepted for publication in the faculty member's specialization or in the specialization he/she teaches in refereed scholarly journals, one of which must be in a classified/indexed journal
- Two refereed books in the field of specialization
- One refereed book in the field of specialization and one research paper published or accepted in a classified/indexed journal
- For accreditation of a faculty member at the rank of Assistant Professor, one of the following conditions must have been fulfilled within the last three years:
- At least two research papers published or accepted for publication in the faculty member's specialization or in the specialization he/she teaches in refereed scholarly journals, one of which must be in a classified/indexed journal
- Two refereed books in the field of specialization
- One refereed book in the field of specialization and one research paper published or accepted in a classified/indexed journal
- Subject to the above, the maximum thesis supervision load for a faculty member at one time shall be six theses if the supervision is individual.
- The supervision load referred to above shall be counted for a maximum of three semesters. If the student is unable to complete the thesis discussion by the end of the third semester after thesis registration, the supervisor may continue supervising the student without that being counted within the teaching load, and after that may supervise other theses within the prescribed load.
- Subject to the above, and upon the recommendation of the department and faculty committees and the approval of the Council, a co-supervisor may be appointed from inside or outside the University, provided that he/she holds at least the rank of Assistant Professor and meets the supervision conditions.
- In special cases, a supervisor may be appointed from outside the department, outside the faculty, or outside the University, provided that the supervision conditions are met, upon the recommendation of the department and faculty committees and by decision of the Council.
- If there is a co-supervisor, the number of theses a faculty member may supervise may be doubled; in such case, half a credit hour shall be counted for each supervisor.

Article (40)

The Council shall approve, upon nomination by the Department Committee and recommendation of the Faculty Committee, the appointment of a co-supervisor for the student's thesis from among those who meet the supervision conditions stated in these instructions.

Article (41)

The supervisor may be changed for compelling reasons, according to the same procedure by which he/she was appointed.

Article (42)

- By decision of the Council, based on nomination by the Department Committee and recommendation of the Faculty Committee, a faculty member who has been granted leave may supervise a student's thesis, continue supervision, or participate in it.
- In special cases, the Council may approve, upon nomination by the Department Committee and recommendation of the Faculty Committee, that a supervisor who is spending leave outside Jordan may continue supervising the student as a co-supervisor.

Article (43)

- For each Master's thesis supervised, the supervisor shall be credited with one credit hour per semester, starting from the semester in which the supervisor is appointed, for a maximum of three semesters.
- The supervision load shall be calculated at the rate of one credit hour per student if the supervision is individual.
- In the case of joint supervision, the supervision load shall be divided equally between the supervisor and the co-supervisor.

Article (44)

The thesis topic and proposal may be amended if required by the circumstances of the research. The amendment shall be made according to the same procedure by which the original approval was granted. As for changing the thesis title, this shall be made upon the recommendation of the supervisor and by a decision of the Council.

Chapter Twelve: Discussion Committee

Article (45)

The discussion committee shall consist of:

- The supervisor — Chair
- The co-supervisor, if any
- At least one faculty member from the University who meets the supervision conditions
- One faculty member from outside the University, provided that he/she holds the rank of Professor or Associate Professor in the field of specialization or research area

Article (46)

The discussion committee shall be appointed and its date determined by a decision of the Council, based on the recommendation of the department and faculty committees, according to the following order:

- The supervisor shall prepare a report confirming the thesis is academically and linguistically ready for defense and complies with research integrity, according to the approved thesis plan and the form prepared for that purpose.
- The supervisor shall propose a list of two faculty members from inside the University and two from outside the University who meet the conditions of supervision and teaching in the programme, according to the form prepared for that purpose.

The student shall deliver copies of the thesis in its final form to the committee members immediately after the decision forming the committee is issued, and at least two weeks before the defense date. The student shall also attach a written declaration stating his/her commitment to all standards of ethics and scientific integrity in preparing the thesis.

Chapter Thirteen: Thesis Defense

Article (47)

The student shall apply for the defense of the university thesis after fulfilling all conditions and examinations prescribed in the study plan, completing all study plan requirements successfully, and attaining a cumulative GPA of not less than 3.00 points.

Article (48)

The thesis defense shall proceed as follows:

- The student shall present a summary of the thesis within a period not exceeding 15 minutes, followed by a discussion by the members of the discussion committee.
- Attendance at the defense shall be limited to graduate students and faculty members in the department. In special cases, as determined by the department or faculty committee, the defense may be held in a closed session.
- The Chair of the committee shall manage the defense. After the defense is completed, the committee shall deliberate and decide by majority vote on one of the following results:
- Pass with minor revisions: the student must make the required revisions and submit the thesis within two weeks from the date of the defense, accompanied by a report from the supervisor confirming that the required revisions have been made.
- Pass with moderate revisions: the student must make the required revisions and submit the thesis within a period of not less than two weeks and not more than four weeks from the date of the defense, accompanied by a report from the supervisor confirming completion of the required revisions.
- Pass with major revisions: the student must revise the thesis within a period of not less than two months and not more than four months from the date of the defense. The student shall be registered with zero credit hours in the following semester if the legal study period has not expired. The student shall be considered to have passed if the committee approves the thesis after revision; otherwise, the student shall be considered to have failed.
- Fail

Article (49)

The period specified in Article (48) for submitting the thesis in its final form may be extended in compelling cases accepted by the Council.

Article (50)

The decision of the discussion committee shall be approved by the Council based on nomination by the Department Committee and recommendation of the Faculty Committee, according to the form prepared for this purpose.

Article (51)

The student shall submit three hard copies and two electronic copies of the approved thesis to the library as a condition for receiving the degree certificate.

Article (52)

If the student fails the thesis defense, he/she shall be awarded the Higher Diploma Certificate.

Chapter Fourteen: Comprehensive Examination

Article (53)

The comprehensive examination shall be of an integrated comprehensive nature, aiming to measure the student's ability to link together the different basic and advanced concepts acquired from various knowledge fields and to employ them in solving scientific and applied problems in the field of specialization.

Article (54)

The Department Committee shall undertake the following:

- Organizing the affairs of the examination and determining, with precision, the areas it covers, provided that they cover the areas of specialization and that their number is not less than three and not more than five fields. It shall also propose the necessary references and readings, and the examination areas, references, and readings shall be announced to students at least one academic semester before the examination date.
- Recommending to the Faculty Committee the formation of the comprehensive examination committee, consisting of three to five members, one of whom shall be the Chair. They shall be

selected from faculty members specialized in the examination subject to prepare the questions and grade the answers, and the decision to form the committee shall be issued by the Council.

- Submitting the results of the comprehensive examination to the Faculty Committee for study and recommendation to the Council for approval.

Article (55)

The comprehensive examination shall consist of two written papers held in two separate sessions, each session lasting three hours. The examination shall be held twice a year at the dates specified in the academic calendar. It may be held a third time during the summer semester, depending on the availability of the necessary facilities and preparations in the various departments. The student must submit an application to sit for this examination on the form prepared for that purpose.

Article (56)

- The student shall apply for the comprehensive examination after completing all study plan requirements successfully, provided that the cumulative GPA is not less than 3.00 points.
- The passing mark in the comprehensive examination shall be 70%.
- If the student fails the comprehensive examination the first time, he/she may sit for it a second time in the following semester. If he/she fails the second time, the student shall be awarded the Higher Diploma Certificate.
- The student's result in the comprehensive examination shall be recorded on the transcript as Pass or Fail each time the student sits for it.

Chapter Fifteen: Granting Degrees

Article (57)

- The Master's degree shall be awarded by a decision of the Deans' Council, based on the recommendation of the Council.
- The Deans' Council shall determine the dates for awarding certificates and degrees.

Article (58)

The Higher Diploma degree shall be awarded to a student registered in one of the Master's programs, whether in the thesis track or the comprehensive track, in either of the following cases:

- If the maximum period of the student's registration in the programme expires after successfully completing all the study plan requirements, but the student is unable to complete and defend the thesis, or is unable to sit for the comprehensive examination at the specified dates and pass it
- If the student fails the thesis defense, or fails the comprehensive examination twice

Chapter Sixteen: Assistantships / Stipends

Article (59)

An annual amount shall be allocated from the scientific research budget as research assistance stipends for outstanding Master's students. These stipends shall be granted to students on a semester basis.

Article (60)

The assistantship budget shall consist of:

- Amounts allocated by the Deans' Council based on the recommendation of the Graduate Studies Council
- Grants, donations, and endowments accepted by the University for this purpose

Article (61)

- Applications for obtaining assistantships shall be submitted to the Faculty of Graduate Studies.
- The graduate studies committees in the relevant department and faculty shall recommend to the Dean the number of assistantships needed by the department before the start of the semester.

- The total number of assistantships and the detailed numbers in the departments shall be presented to the Council for discussion and approval according to the financial possibilities available in that semester.

Article (62)

- The Council shall establish the criteria for ranking/prioritization according to a schedule prepared for that purpose.
- In the ranking process, consideration shall be given to the student's excellence and eligibility for assistance in scientific research, so that the assistantships are awarded on a competitive basis according to the cumulative GPA of students within the same programme.
- The assistantship shall be awarded competitively according to the cumulative GPA of students in each specialization, provided that the student has completed at least 6 credit hours from the study plan. Remedial courses shall not be counted for this purpose. The Council may set other criteria related to the number of credit hours successfully completed from the plan and the number of assistantships previously obtained by the student.
- Assistantships shall be approved by a decision of the Deans' Council based on the recommendation of the Council.

Article (63)

- The scientific research assistance stipend shall amount to 150 Jordanian Dinars per month for four months per semester, provided that the total period of receiving the stipend shall not exceed 10 months.
- A student receiving a scientific research assistance stipend shall be required to work in scientific research according to a detailed work plan approved by the Council upon nomination by the relevant department and faculty committees.

Article (64)

A student applying for the stipend must satisfy the following conditions:

- The student must be fully devoted to study at the University, and likewise to assisting in scientific research at the University
- The student must have completed at least 6 credit hours from the study plan, excluding remedial courses, with a cumulative GPA of not less than 3.20 points
- The student's academic load in that semester must not exceed 9 credit hours and must not be less than 6 credit hours, excluding remedial courses
- No disciplinary penalty greater than a warning must have been imposed on the student

The stipend shall be cancelled in the following cases:

- If the number of registered credit hours from the study plan falls below 6 credit hours, or rises above 9 credit hours
- If the student stops working under the stipend at his/her own request, or upon recommendation by the relevant department and faculty committees
- If the student becomes subject to a disciplinary penalty
- If it is proven that the student does not adhere to the professional standards of work in scientific research or in dealing with others
- If the student violates any provision of this chapter

Chapter Seventeen: General Provisions

Article (65)

The Instructions for Granting the Bachelor's Degree shall apply to cases not expressly provided for in these instructions whenever possible.

Article (66)

The Scientific Research Instructions at the University shall apply to assistantships and to any matter related to scientific research not expressly provided for in these instructions, or in case of conflict with them.

Article (67)

Cases of scientific plagiarism, or suspicion thereof, shall be referred to specialized investigation committees to decide on them, whether before or after the defense, and the decisions issued by the University in this regard shall be implemented.

Article (68)

The Deans' Council shall issue a decision to withdraw the academic degree if it becomes evident at any time that the degree was obtained by unlawful means, or that the thesis submitted for the degree does not conform in content to the standards of scientific integrity. The relevant bodies inside and outside the University shall be notified of this by decision of the Council.

Article (69)

The Master's student authorizes the University, in writing, to reproduce the thesis in whole or in part and in different forms for purposes of scientific research, electronic publication, and exchange with educational, research, and university institutions.

Article (70)

These instructions shall not apply to joint Master's programs with another university or scientific institute where a special agreement exists between them and the University. In such cases, special regulations shall be developed for each programme in light of the signed agreement.

Article (71)

In very special cases, the Deans' Council, based on the recommendation of the department and faculty committees, may award the Higher Diploma in Graduate Studies to a student who has successfully completed the courses of the study plan but whose circumstances prevent him/her from continuing the study.

Article (72)

The Dean of the Faculty of Graduate Studies, the Deans of the faculties, and the Director of the Admission and Registration Department shall be responsible for implementing these instructions.

Article (73)

The Deans' Council shall decide on any cases for which no explicit provision is stated in these instructions.

Academic Calendars

First Semester

Sunday 11/10/2026	Start of the Academic Year
Sunday 18/10/2026	Classes begin for the First Semester 2026/2027
Sunday - Thursday 18/10/2026 - 22/10/2026	Add and Withdrawal and late registration without financial loss
Sunday - Thursday 25/10/2026 - 21/01/2027	Non-refunded withdrawal
Saturday - Saturday 21/11/2026 - 28/11/2026	Midterm Examination Period for Compulsory and Elective University Requirements and Practical Courses
Sunday - Saturday 29/11/2026 - 12/12/2026	Midterm Examination Period for the First Semester of the Academic Year 2026/2027
Tuesday 15/12/2026	Start of Academic Advising and Registration for Courses for the Second Semester of the Academic Year 2026/2027
Friday 25/12/2026	Christmas Day
Friday 01/01/2027	New Year
Saturday - Thursday 16/01/2027 - 21/01/2027	Final Examination Period for Compulsory and Elective University Requirements and Practical Courses
Thursday 21/01/2027	Deadline for teaching subjects
Saturday - Thursday 23/01/2027 - 04/02/2027	Final Exams 2026/2027
Sunday - Saturday 07/02/2027 - 06/03/2027	Start of Semester Vacation
Monday 08/02/2027	Deadline for handing in First Semester results 2026/2027
Wednesday 10/02/2027	Last date for reviewing grades and taking incomplete exams for graduate students
Thursday 11/02/2027	The Deans Council's decision to grant academic degrees and certificates

Second Semester

Sunday 07/03/2027	Start of the Second Semester, Academic Year 2026/2027
Sunday 14/03/2027	Classes Begin for the Second Semester, Academic Year 2026/2027
Sunday - Thursday 14/03/2027 - 18/03/2027	Course Add/Drop and Late Registration Without a Late Fee
Sunday - Thursday 21/03/2027 - 17/06/2027	Course Withdrawal Period with Financial Penalty
Saturday - Thursday 24/04/2027 - 29/04/2027	Midterm Examination Period for Compulsory and Elective University Requirements and Practical Courses
Saturday 01/05/2027	Labour Day
Sunday - Thursday 02/05/2027 - 13/05/2027	Midterm Examination Period for the Second Semester, Academic Year 2026/2027
Monday 10/05/2027	Start of Academic Advising and Course Registration for the Summer Semester, Academic Year 2026/2027
Sunday 16/05/2027	Eid al-Adha Holiday (Tentative)
Tuesday 25/05/2027	Independence Day
Saturday - Thursday 12/06/2027 - 17/06/2027	Final Examination Period for Compulsory and Elective University Requirements and Practical Courses
Thursday 17/06/2027	Last Day of Classes
Sunday - Thursday 20/06/2027 - 01/07/2027	Final Examination Period for the Second Semester, Academic Year 2026/2027
Sunday 04/07/2027	Deadline for Submitting Final Grades for the Second Semester, Academic Year 2026/2027
Tuesday 06/07/2027	Deadline for Grade Review and Incomplete Examinations for Graduating Students
Thursday 08/07/2027	Council of Deans' Decision to Confer Academic Degrees and Certificates
Sunday - Saturday 04/07/2027 - 17/07/2027	Student Break Between the Second and Summer Semesters, Academic Year 2026/2027

Summer Semester

Sunday 18/07/2027	Classes Begin for the Summer Semester, Academic Year 2026/2027
Sunday - Tuesday 18/07/2027 - 20/07/2027	Course Add/Drop and Late Registration Without a Late Fee
Wednesday - Sunday 21/07/2027 - 22/08/2027	Course Withdrawal Period with Financial Penalty
Sunday - Sunday 15/08/2027 - 22/08/2027	Midterm Examination Period for the Summer Semester, Academic Year 2026/2027
Monday 23/08/2027	Start of Academic Advising and Course Registration for the First Semester, Academic Year 2027/2028
Monday 06/09/2027	Last Day of Classes for the Summer Semester, Academic Year 2026/2027
Wednesday - Wednesday 08/09/2027 - 15/09/2027	Final Examination Period for the Summer Semester, Academic Year 2026/2027
Sunday 19/09/2027	Deadline for Grade Review and Incomplete Examinations for Graduating Students
Monday 20/09/2027	Deadline for Submitting Summer Semester 2026/2027 Grades to the Admissions and Registration Department
Tuesday 21/09/2027	Council of Deans' Decision to Confer Academic Degrees and Certificates

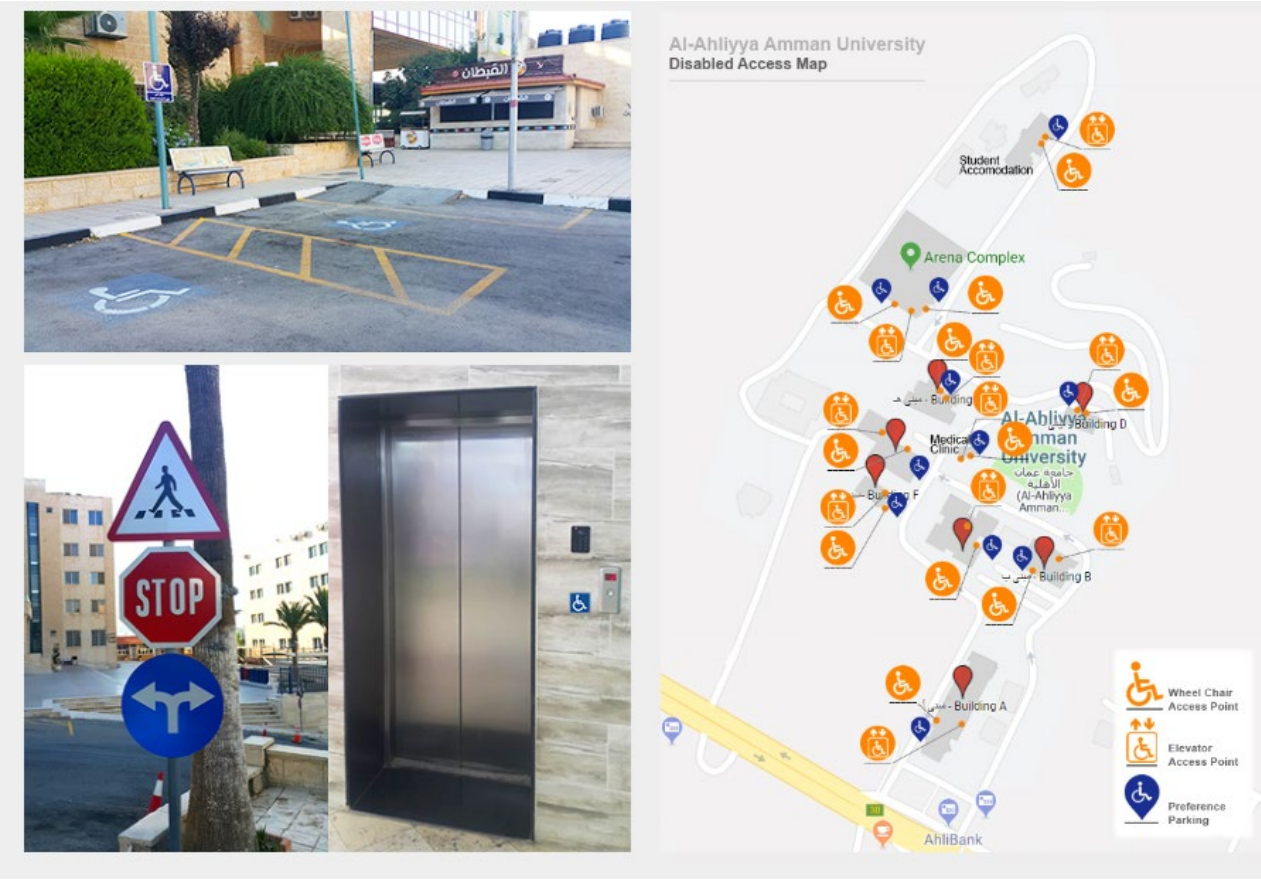
Accessibility and Support for Students with Disabilities

Al-Ahliyya Amman University is committed to providing an inclusive and supportive learning environment in which students with disabilities are not disadvantaged or unfairly treated. The University regularly reviews its teaching strategies, learning environments, and educational practices to reduce barriers to participation and to ensure that all students are able to develop their skills and abilities fully.

The University welcomes applications from students with disabilities and encourages them to contact the relevant learning support officer to learn more about available technical support, financial discounts, and scholarship opportunities. Applications are considered on academic merit in accordance with the University's diversity policies, and students may discuss any required support arrangements or reasonable adjustments after receiving a formal offer.

To support equal access across campus, the University provides accessible facilities such as designated parking areas, wheelchair access points, elevators, and accessible restrooms in its buildings. It also works to improve digital accessibility through features such as text-to-speech support, assistive computer technologies, and website development aligned with W3C web accessibility guidelines.

In addition, the University offers academic and support services for students with learning difficulties through specialized centers, including the Hearing and Speech Center and the Counseling and Special Education Center. Available support may include learning access programs, assistive technology, note-taking support, trained student support groups, and sign language interpreters. The University also seeks to accommodate students with special housing needs through accessible residential facilities when needed.



Campus Life

Al-Ahliyya Amman University provides an integrated campus environment that combines learning, services, activities, and facilities that support student life. The campus becomes vibrant at the beginning of each semester, where students benefit from a variety of facilities that contribute to a balanced academic and social experience. The University campus extends over a total area of **185,000 square meters**, including **14,000 square meters** of green spaces, which enhances the quality of the campus environment and student well-being.

The University's facilities include several key components that support campus life, such as the **Arena Complex**, which is dedicated to cultural, sports, and recreational activities, and the **Library**, which provides print and electronic information resources to support academic programs and scientific research. In addition, the University offers **religious facilities** that provide spiritual and religious services to the student community in a comfortable and welcoming environment.

The University also provides a range of services that make students' daily lives easier, most notably the **cafeteria**, **transportation services** that ensure safe and reliable travel from bus collection points to campus, **bookstores** that provide academic books and references, and **parking facilities** for students, staff, and permit holders. In addition, the **student housing** offers a suitable study environment with easy access to medical services, transportation, the Arena Complex facilities, and wireless internet services.

Campus life is further supported by a number of units and centers that serve students academically, professionally, and technically, such as the **Deanship of Student Affairs**, which is concerned with student development and talent support; the **Residency and Visa Office** for international students; and the **Career Guidance and Alumni Follow-up Office**, which helps connect students and graduates with the labor market. The University also includes the **Hourani E-Learning Center**, the **Computer Center**, and the **Innovation and Entrepreneurship Center**, which supports students in developing innovative solutions and entrepreneurial ideas.

The University also places strong emphasis on extracurricular activities and support services through **medical services**, as well as events in **culture, arts, and sports**, all of which contribute to building students' character, enhancing their integration into university life, and providing a comprehensive educational experience on campus



Faculty of Information Technology

Dean's Message

Since the establishment of Faculty of Information Technology at Al-Ahliyya Amman University in year 2001, we as administration have put for us a target related to providing a quality education for our students that will put them in a leading position in the job market. We made sure to bridge the gap between their technical background, theoretical and practical knowledge, and technical and professional skills and the job market's requirements. The provided education intends to match the changing and evolving nature of the market, given that the IT field is changing and evolving tremendously and rapidly; so the ability to coop with the changes, accommodate the newly emerging requirements, ability to self-based learning and critical thinking skills are among the distinctive features we ensure to equip our graduates with.

In addition to all of those mentioned, we make sure that our curriculum plans are in sync with the local standards' requirements and based on the international accreditation requirements as put by the ACM/IEEE; we emphasized on practical and applied methodologies as in labs and projects, we enriched the team work spirit, we nourish the personality skills from all aspects starting with the communication and presentation skills; in addition to IT field ethics to ensure building integrity, transparency and ethical values necessary for professional attitudes in the domain and in the job market. We also capitalize on self-learning and critical thinking skills and make sure that our graduates are ready to go through all the stages of learning in their career and to be ready for a Life Long Learning path; including the ability to peruse their graduate studies for those who like to take that direction.

We observed all those values and features in all majors that we offer, keeping an eye on the specific differences and characteristics that are available in each of those majors. The faculty of Information Technology consists of four academic departments: Computer Science, Software Engineering, Networks and Cybersecurity and Data Science and Artificial Intelligence. The faculty currently offers Bachelor of Science degrees in four different majors: Computer Science, Software Engineering, Network and Cybersecurity (this program is accredited by the Accreditation Board of Engineering and Technology - ABET), and Data Science and Artificial Intelligence.

The faculty of Information Technology is staffed with a high class, excellent, highly qualified faculty members who are distinguished and have many achievements in their domain of expertise, all are graduates of reputed and respected universities from all over the world coming from the United States of America, United Kingdom, Europe and the Middle East universities from majors and specific knowledge domains that spans all domains needed in the various majors offered by the faculty. Some of them have also consultancy and practical expertise in the field, blending the theoretical background, with the practical real life expertise producing a unique professional team that will direct their knowledge to equip the students with such a unique education based on best practices and state of the art technology.

All of the procedures and operations in the faculty are governed with a rigorous, sound and proven quality assurance system that leads to a proper total quality management for the whole education development process. The learning outcomes of the various majors including all offered courses are linked with key performance indicators to ensure the continuous monitoring of the outcomes and eventually improving and enhancing to always maintain a top quality programs.

Scientific research is always encouraged among the faculty members, and also this is passed to our students, we also participate and contribute to the e-learning content development project currently undertaken by the university; we are among the heavily involved faculties in the project. We are also in continuous development for our courses, majors and knowledge areas for our students and faculty members.

Vision, Mission, Objectives, and core Values

Vision

Global leadership in education and scientific research in the fields of computer science, networks and cybersecurity, software engineering, and data science & artificial intelligence, by graduating innovative and qualified leaders who contribute to enhancing sustainability and supporting innovation within an intelligent knowledge environment, meeting the evolving needs of society and the labor market.

Mission

To offer quality educational programs accredited locally and internationally, using the latest methods of teaching and learning, to graduate cadres capable of competition and leadership in the fields of computer science, networks and cybersecurity, software engineering, and data science & artificial intelligence. The College also strives to invest in applied scientific research in partnership with pioneers in various industries, to meet the requirements of sustainable community development within an intelligent knowledge environment that supports creativity and innovation.

Objectives

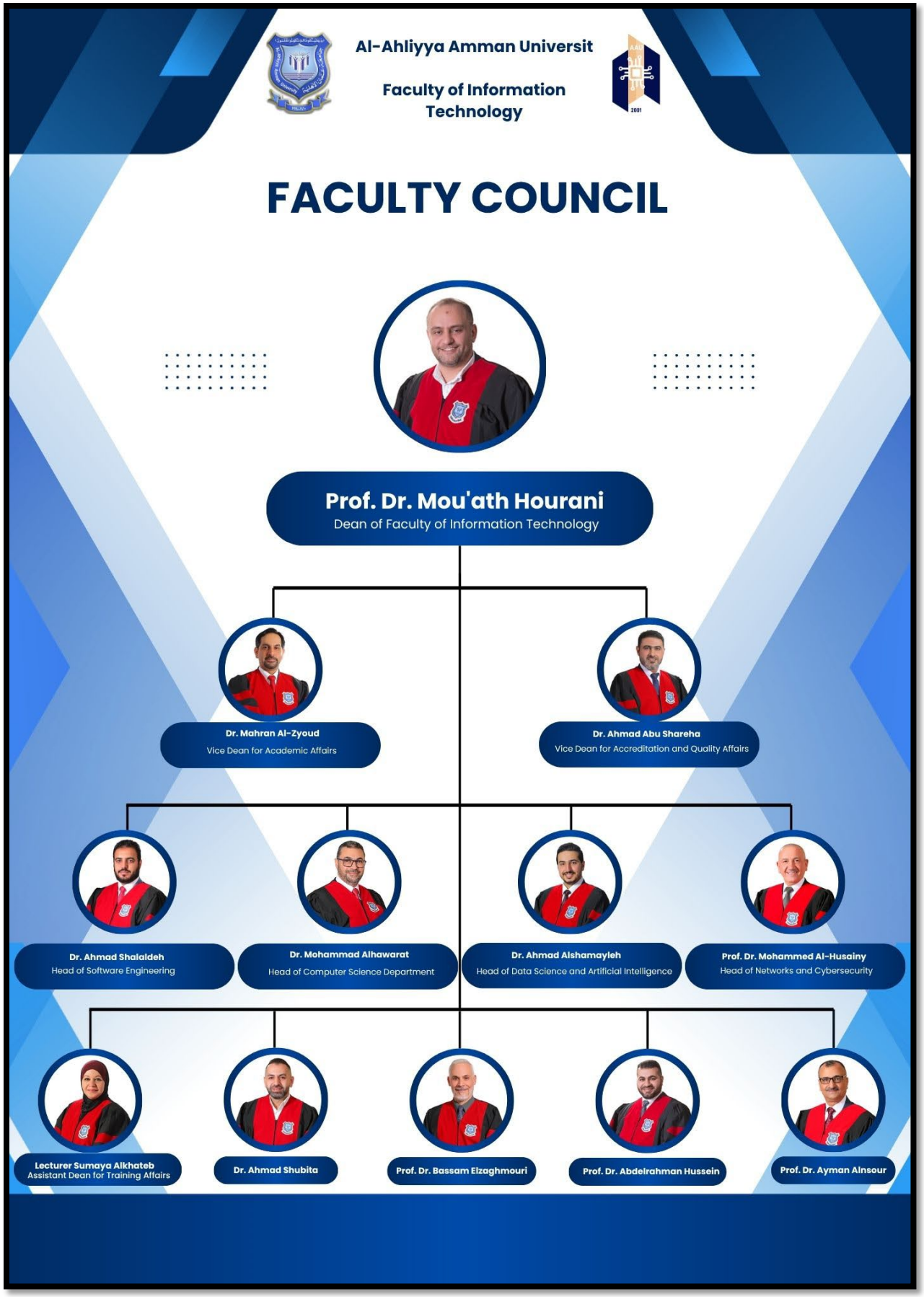
1. **Preparing outstanding scientific and leadership cadres in the fields of computing and informatics**, with a focus on developing technical and leadership skills to meet labor market needs.
2. **Offering high-quality academic programs**, providing students with an exceptional educational experience based on modern teaching methods that align with the evolving demands of the labor market.
3. **Developing strategic partnerships with academic and industrial institutions** to support educational and training programs, contributing to providing effective training opportunities for students.
4. **Adopting local and international accreditation standards and ensuring quality assurance** in all academic programs, ensuring the maintenance of a high academic level.
5. **Enhancing scientific research and linking it to national priorities to serve the local community**, ensuring the college's contribution to developing innovative solutions to societal problems.
6. **Enhancing students' creativity, innovation, and leadership skills** through educational programs that encourage critical thinking and support sustainable technological development.
7. **Enhancing the role of the college in serving the local community and contributing to its development**, by providing community and research initiatives that address societal needs.

Core Values

- **Excellence:** Continuous ambition towards excellence in education and research.
- **Ethics and scientific honesty**: Commitment to professional ethics that supports the learning process and preserving rights of intellectual property.
- **Teamwork:** Working as a team to achieve common goals.
- **Leadership:** Employing individual capabilities of team members where needed and strengthening them.
- **Integrity:** Promoting the values of individual and institutional integrity.
- **Creativity**: Strengthening the spirit of creativity among graduates.

- **Social responsibility**: Interact with the local community and contribute to its development.

Organizational Chart

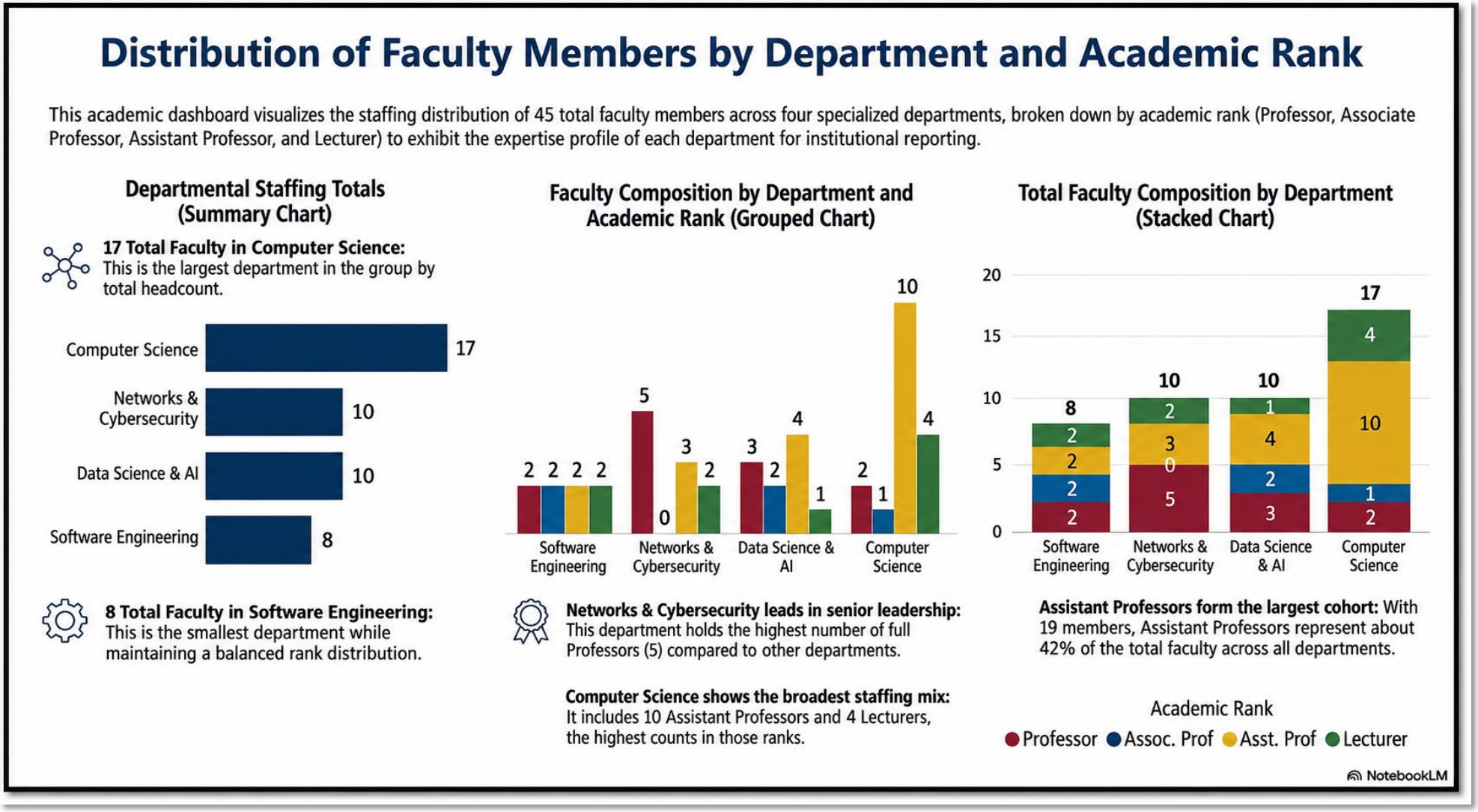


Faculty Departments and Programs

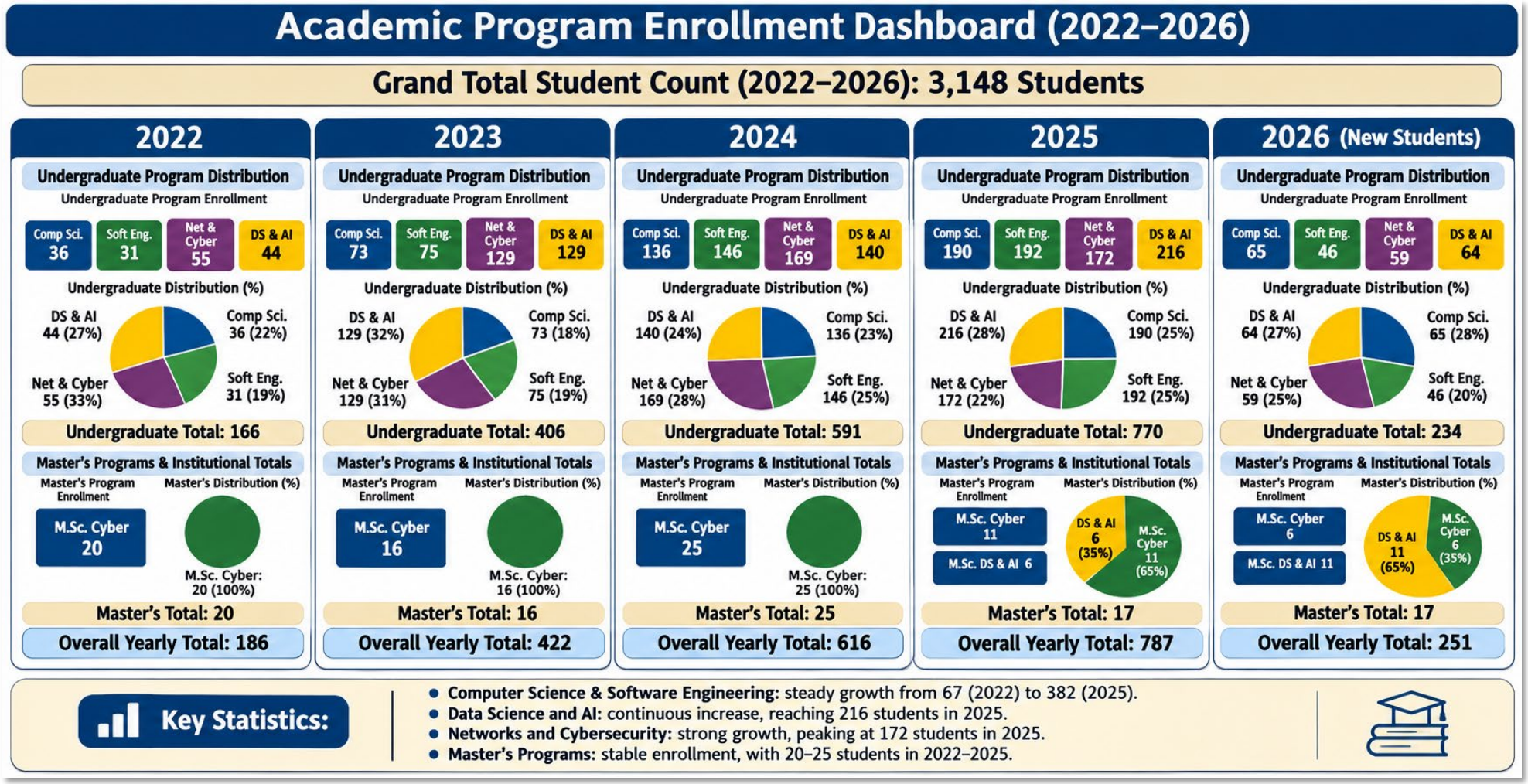
The faculty comprises scientific departments granting multiple academic degrees, as follows:

No	Department	Degree / Academic Program
1	Computer Science Department	Bachelor of Computer Science
2	Software Engineering Department	Bachelor of Software Engineering
3	Networks and Cybersecurity Department	Bachelor of Cybersecurity and Networks Master of Cybersecurity
4	Data Science and Artificial Intelligence Department	Bachelor and Master of Data Science and Artificial Intelligence

Faculty Distribution by Academic Rank



Summary of Enrolled Student Numbers (2021-2026)



Faculty Committees

FACULTY OF INFORMATION TECHNOLOGY COMMITTEES

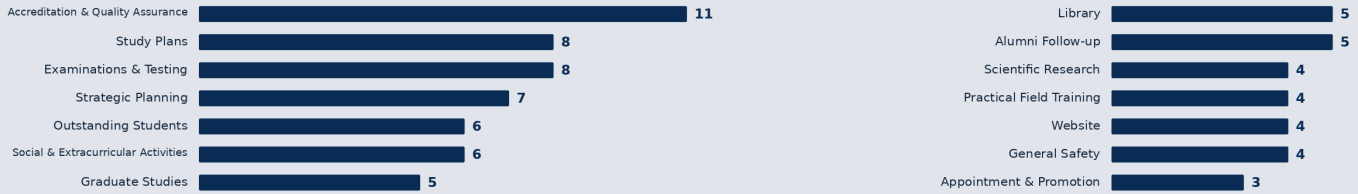
Approved Faculty Council Decisions | Academic Year 2026/2027

14 **ACTIVE COMMITTEES** — Officially formed in the Faculty Council

10 **UNIQUE CHAIRPERSONS** — A chair is counted once across committees

80 **COMMITTEE PLACEMENTS** — Total memberships, including chairpersons

COMMITTEE COMPOSITION & SIZE (Member Count per Committee)



DETAILED COMMITTEE ROSTERS | Chair listed first

Appointment & Promotion
Chair: Prof. Mou'ath Hourani
- Dr. Mahran Al-Zyoud
- Dr. Ahmad Abu Shareha

Total: 3

Strategic Planning
Chair: Prof. Mou'ath Hourani
- Dr. Mahran Al-Zyoud
- Dr. Ahmad Abu Shareha
- Prof. Mohammed Al-Husainy
- Dr. Mohammad Alhawarat
- Dr. Ahmad Alshamayleh
- Dr. Ahmad Shalaldeh

Total: 7

Accreditation & Quality Assurance
Chair: Dr. Ahmad Abu Shareha
- Prof. Mohammed Al-Husainy
- Dr. Mohammad Alhawarat
- Dr. Ahmad Alshamayleh
- Dr. Ahmad Shalaldeh
- Prof. Abdelrahman Hussein
- Prof. Ayman Elshenawy
- Prof. Bassam Elzaghmouri
- Dr. Insaf Kraidia
- Lect. Mohammad Alhyari

Total: 11

Study Plans
Chair: Prof. Mou'ath Hourani
- Dr. Mahran Al-Zyoud
- Dr. Ahmad Abu Shareha
- Prof. Mosleh Abu Alhaj
- Prof. Mohammed Al-Husainy
- Dr. Mohammad Alhawarat
- Dr. Ahmad Alshamayleh
- Dr. Ahmad Shalaldeh

Total: 8

Examinations & Testing
Chair: Dr. Mahran Al-Zyoud
- Dr. Ahmad Abu Shareha
- Prof. Mohammed Al-Husainy
- Dr. Mohammad Alhawarat
- Dr. Ahmad Alshamayleh
- Dr. Ahmad Shalaldeh
- Lect. Mohammad Alhyari
- Lect. Nida Al-shafi

Total: 8

Scientific Research
Chair: Prof. Mosleh Abu Alhaj
- Dr. Ahmad Alshamayleh
- Prof. Ayoub Alsarhan
- Prof. Omar AlMomani

Total: 4

Graduate Studies
Chair: Prof. Mou'ath Hourani
- Dr. Mahran Al-Zyoud
- Prof. Mohammed Al-Husainy
- Dr. Ahmad Alshamayleh
- Prof. Nedal Turab

Total: 5

Outstanding Students
Chair: Dr. Mahran Al-Zyoud
- Dr. Ahmad Abu Shareha
- Dr. Mahmoud Abdelhamied
- Dr. Insaf Kraidia
- Lect. Yousef Alraba'nah
- Lect. Nida Al-shafi

Total: 6

Practical Field Training
Chair: Lect. Sumaya Alkhateb
- Dr. Shimaa Mostafa
- Dr. Ghadeer AL-Sukkar
- Dr. Lubaba Migdadi

Total: 4

Social & Extracurricular Activities
Chair: Prof. Abdelrahman Hussein
- Dr. Majed Abu Safyah
- Dr. Hany Elsalamony
- Dr. Yazeed Al-Sarhan
- Dr. Saeed Hamouda
- Lect. Qais Al naamneh

Total: 6

Library
Chair: Dr. Majed Abu Safyah
- Prof. Ayman Elshenawy
- Dr. Ashraf AL-Mashaleh
- Dr. Alghafiqe Alhloul
- Lect. Mohammed AL-Jarrah

Total: 5

Website
Chair: Lect. Abdallah Hyassat
- Lect. Yousef Alraba'nah
- Lect. Qais Al naamneh
- Lect. Mohammed AL-Jarrah

Total: 4

General Safety
Chair: Dr. Ahmad Shubita
- Prof. Ayoub Alsarhan
- Prof. Ahmad Habboush
- Dr. Mosab AL-Faqeeh

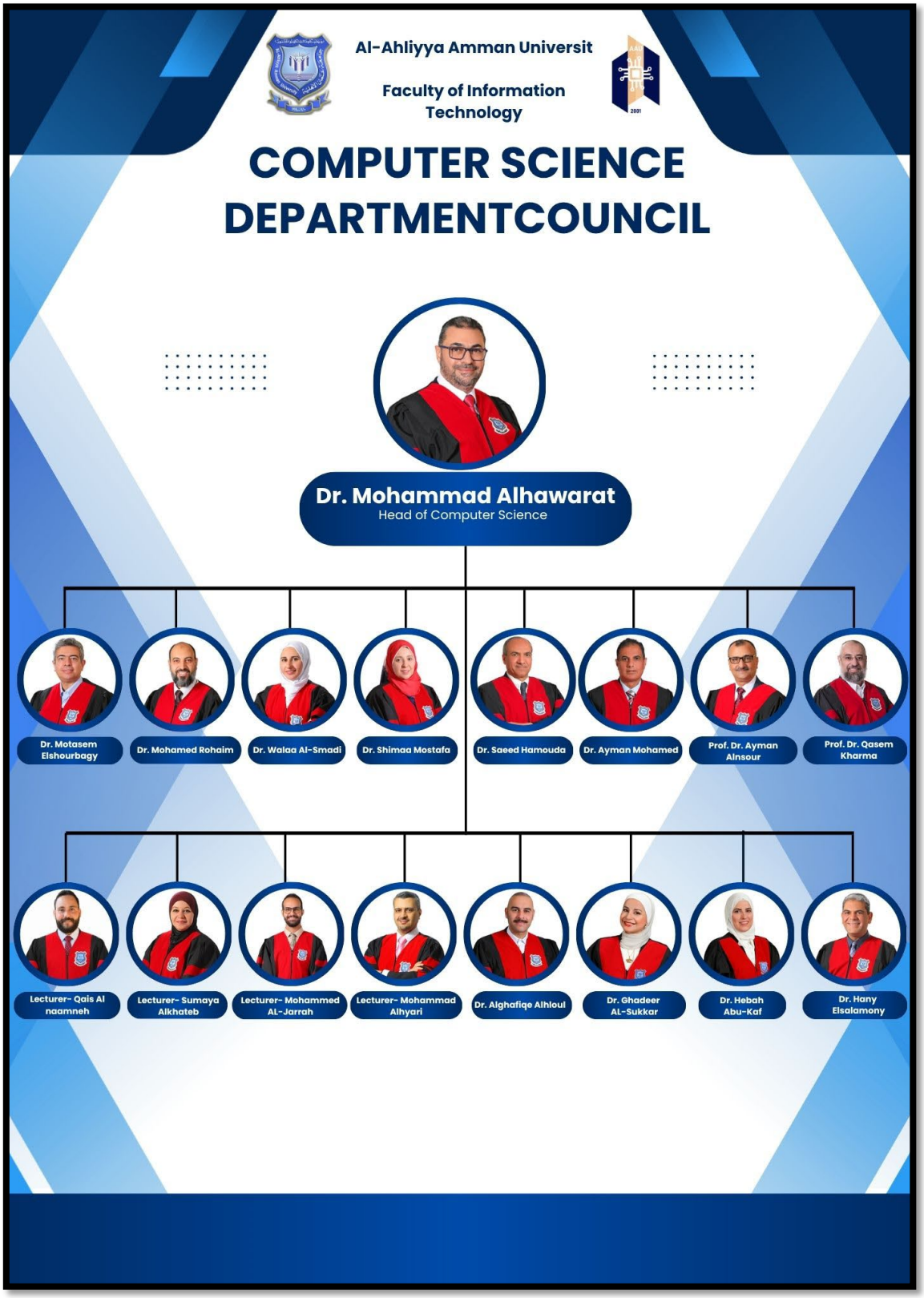
Total: 4

Alumni Follow-up
Chair: Dr. Hebah Abu-Kaf
- Dr. Motasem Elshourbagy
- Dr. Mohamed Rohaim
- Lect. Yousef Yaseen
- Lect. Ruba Salman

Total: 5

Source: Faculty Council Meeting Minutes (22 October 2026), Decisions 1-14. English names: AAU faculty directory.
Note: A person serving on multiple committees appears multiple times. Qais Al naamneh is listed as Lecturer.

Computer Science Department



Introduction

The Department of Computer Science was established in 1991 with the aim of supplying local and regional markets with distinguished graduates who possess scientific knowledge and practical experience in the field of computer science. The department aligns with the vision of the College of Information Technology, which seeks to provide distinguished education in an innovative environment that keeps up with the latest developments. It equips students with technical knowledge and leadership skills that meet labor market needs and keep pace with ongoing changes in the field.

Students earn a Bachelor's degree in Computer Science upon completing all the required and elective courses, totaling 132 credit hours. The program is designed in accordance with international standards for curriculum development in computing and information technology. The college aims, through the Computer Science program, to meet the growing local, regional, and global demand for qualified students in the fields of computer science and its applications. This is achieved by providing practical teaching and training methods that are continuously improved and developed to stay current with the latest scientific and technological advancements.

As part of the college's educational outcomes, the Computer Science program focuses on providing a blend of theoretical knowledge and practical skills through carefully chosen core courses that form a solid foundation for students. These courses include Introduction to Programming, Systems Analysis and Design, Databases, Operating Systems, Internet Applications Development, Mobile Applications Development, Computer Networks, Cybersecurity, and Data Science, as well as the Graduation Project and Practical Training. These courses also include practical laboratories that provide students with the necessary skills to apply their knowledge in real-world settings. Additionally, community service is an essential part of the program, where students are required to complete 10 hours of community service as a graduation requirement, promoting their role in community service and contributing to sustainable development.

Upon graduation, students are equipped not only with academic knowledge but also with the practical skills that support the college's goals of achieving leadership in education and training aligned with labor market needs, while supporting sustainable development through active community engagement and technological innovation.

Mission, Job Opportunities, and Program Educational Objectives (PEOs)

Mission

To provide distinguished education in a creative environment that keeps up with the latest developments in the field of computer science, equipping students with technical knowledge and leadership skills that meet the needs of the labor market. The program adheres to quality assurance standards and local and international accreditation requirements to produce high-quality outcomes. It also activates scientific research and enhances collaboration with the local community and industry to provide innovative technological solutions that contribute to sustainable community development

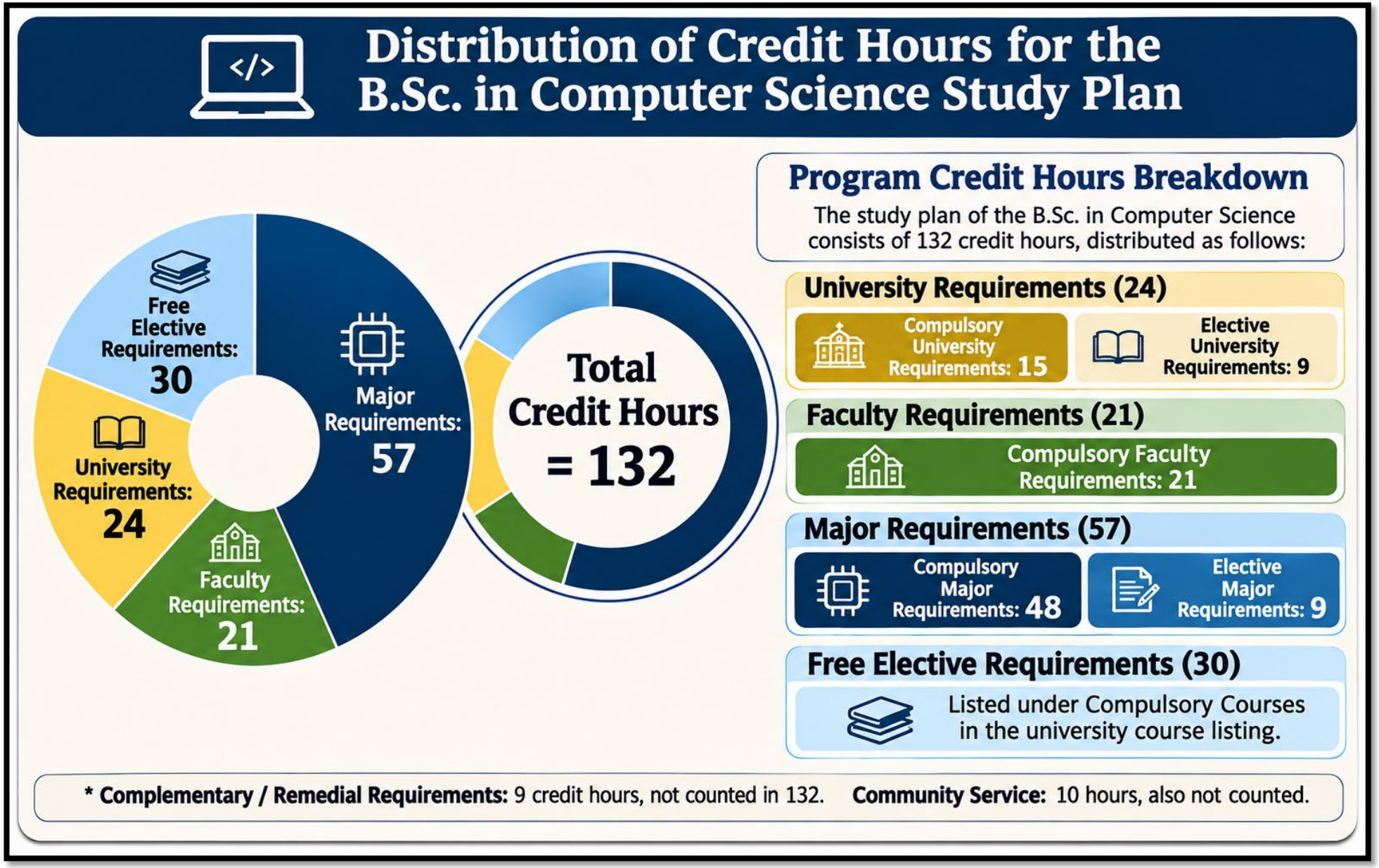
Job Opportunities

1. **Software Developer** – Design, develop, and maintain software applications for various platforms.
2. **Systems Analyst** – Analyze and design information systems to meet the business needs of organizations.
3. **Web Developer** – Create and maintain websites and web applications using front-end and back-end technologies.
4. **Mobile App Developer** – Design and develop mobile applications for iOS and Android devices.
5. **Game Developer** – Design, develop, and test video games for various platforms.
6. **IT Consultant** – Provide expert advice on how to improve and implement technology solutions for businesses.
7. **DevOps Engineer** – Automate and streamline development, testing, and deployment processes in the software development lifecycle.
8. **Full Stack Developer** – Work on both the front-end and back-end of web applications, integrating various systems and technologies.
9. **Database Administrator (DBA)** – Manage and organize data, ensuring databases run efficiently, securely, and are accessible when needed.
10. **Database Developer** – Design, create, and maintain databases, writing efficient SQL queries and optimizing database performance.

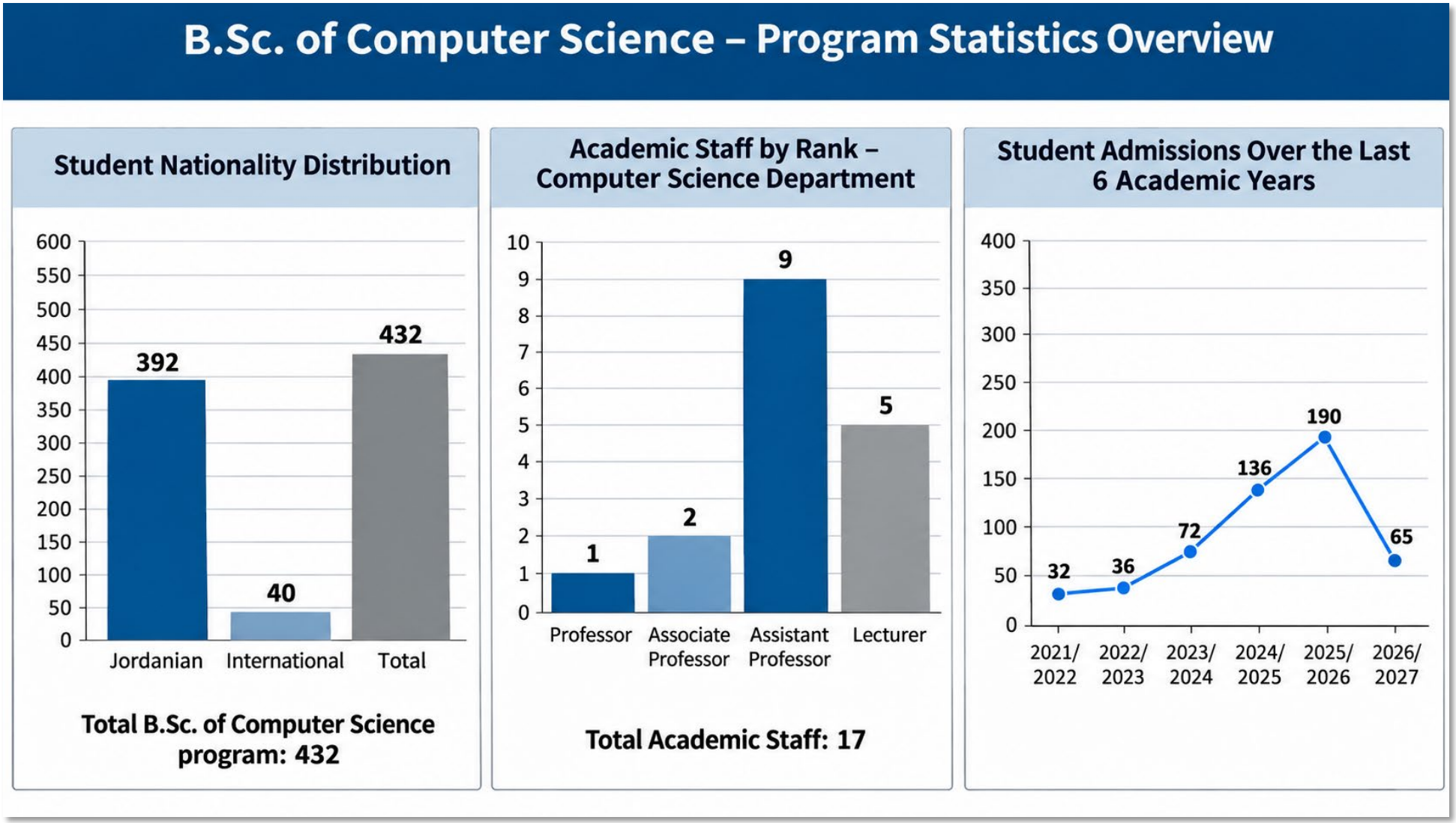
Program Educational Objectives (PEOs):

- PEO-1- **Professional Success:** Graduates will succeed in the field of computer science by working in areas such as software development, databases, distributed systems, and networking, applying their ability to solve complex problems and contribute to technological innovation.
- PEO-2- **Continuous Professional Development:** Graduates will demonstrate professional growth through continuous learning, specializing in emerging fields such as artificial intelligence, data science, or other advanced technologies, and contributing to research and graduate studies.
- PEO-3- **Innovative Contributions:** Graduates will contribute to the development of innovative computing solutions that address societal challenges and keep pace with technological advancements, leveraging their knowledge to meet both industry and community needs.
- PEO-4- **Effective Communication and Ethical Leadership:** Graduates will communicate effectively and work collaboratively within multidisciplinary teams, while upholding high ethical standards in their professional endeavors.

Distribution of Credit Hours



Statistics Overview



Study Plan

Al-Ahliyya Amman University
Faculty of Information Technology
Credit Hours (132)
Study Plan (2026-2027) for the Bachelor of Computer Science

First: University Requirements (24) Credit Hours

1) Compulsory University Requirements (15) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Exception	Learning Type
01007103	Arabic Communication Skills	3	01007101	-	Online
01007104	English Communication Skills	3	01007102	-	Online
01007111	National Education	3	-	-	Online
01007115	Military Sciences	3	-	Non-Jordanians	Online
01007112	Entrepreneurship and Innovation	1	-	-	Online
01007113	Leadership and Societal Responsibility	1	-	-	Online
01007114	Life Skills	1	-	-	Online

2) Elective University Requirements (9) Credit Hours
Students select any three courses from the following:

Course No	Course Title	Cr.H	Prerequisite	Exception	Learning Type
01006142	Digital Media and Communication	3	-	-	Online
01006143	Digital Heritage Management and Sustainable Tourism	3	-	-	Online
01006144	Digital Literacy	3	-	Faculty of Information Technology Students	Online
01007105	Foreign Language	3	-	Languages Department Students	Blended
01007116	Islamic Culture	3	-	-	Online
01007117	History of Jordan and Palestine	3	-	-	Online
01007121	Contemporary Issues	3	-	-	Online
01007122	Legal Education and Human Rights	3	-	Faculty of Law Students	Online
01007123	Development and Environment	3	-	-	Online
01007124	Sport and Health	3	-	Physical Education and Health Students	Online

Community Service is a compulsory graduation requirement of ten (10) service hours.

Second: Faculty Requirements (21) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
01006101	Mathematics (1)	3	-	-	Blended
01006103	Probability and Statistics	3	01006101	-	Blended
01006107	Discrete Mathematics	3	-	-	Blended
01006145	Introduction to Information Technology	3	-	-	Blended
01006146	Introduction to Programming	3	01006145	-	Face-to-Face
01006201	Linear Algebra	3	01006101	-	Face-to-Face
01006344	Ethical and Professional Issues in Computing	1	01006146	-	Online
01007201	English Language for Information Technology	2	01007104	-	Blended

Third: Major Requirements (87) Credit Hours

1) Compulsory Major Requirements (48) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
03001101	Digital Logic Design	3	01006145	-	Face-to-Face
03001201	Data Structures	3	01006241	-	Blended
03001202	Visual Programming	3	01006241	-	Face-to-Face
03001203	Fundamentals of Databases	3	01006146	-	Face-to-Face
03001204	Systems Analysis and Design	3	03001203	-	Blended
03001205	Computer Organization and Architecture	3	03001101	-	Face-to-Face
03001301	Algorithms Analysis and Design	3	03001201	-	Blended
03001302	Programming Techniques in Special Languages	3	03001201	-	Face-to-Face
03001303	Theory of Computation	3	03001201	-	Blended
03001304	Operating Systems	3	03001201	-	Blended
03001305	Programming Languages Design	3	03001201	-	Blended
03001401	Parallel Computing and Distributed Systems	3	03001304	-	Blended
03001402	Mobile Applications Development	3	03001201	-	Face-to-Face
03001403	Practical Training	6	Pass 90 Cr. Hrs	-	Face-to-Face
03001404	Graduation Project	3	Pass 90 Cr. Hrs	-	Blended

Blended: 38.55% **Face-to-Face: 43.15%** **Online: 18.3%**

2) Ancillary Major Requirements (30) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
01006241	Object-Oriented Programming	3	01006146	-	Face-to-Face
01006301	Numerical Analysis	3	01006101	-	Blended
01006311	Electronic Physics	2	-	-	Face-to-Face
01006312	Practical Electronic Physics	1	-	01006311	Face-to-Face
03003201	Introduction to Software Engineering	3	01006146	-	Face-to-Face
03003202	Internet Applications Development (1)	3	01006146	-	Blended
03003306	Internet Applications Development (2)	3	03003202	-	Face-to-Face
03004101	Networks and Cybersecurity Essentials	3	01006145	-	Face-to-Face
03004202	Computer Networks	3	03004101	-	Face-to-Face
03004203	Cybersecurity	3	03004101	-	Face-to-Face
03007202	Introduction to Artificial Intelligence	3	01006146	-	Blended

3) Elective Major Requirements (9) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
03001206	Protection Using Linux	3	03004101	-	Blended
03001306	Computer Graphics	3	03001201	-	Face-to-Face
03001307	Advanced Databases	3	03001203	-	Blended
03001308	Cloud Computing and Security	3	03004101	-	Face-to-Face
03001405	Selected Topics in Computer Science (1)	3	01006145	-	Face-to-Face
03001406	Selected Topics in Computer Science (2)	3	01006145	-	Face-to-Face
03001407	Internet of Things	3	03004202	-	Blended
03003307	Web Services Programming	3	03003306	-	Face-to-Face
03007101	Introduction to Data Science	3	01006145	-	Face-to-Face

Fourth: Remedial Requirements (for students who have not passed the placement test)

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
01006141	Computer Skills (Remedial)	3		-	Online
01007101	Arabic Language (Remedial)	3	-	-	Online
01007102	English Language (Remedial)	3	-	-	Online

Ref.: Deans' Council Session (27/2024-2025) Decision No:(10)
Date: 07/05/2025

Advisory Study Plan

1st Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006145	Introduction to Information Technology	3	3	0	-
01006101	Mathematics (1)	3	3	0	-
01006107	Discrete Mathematics	3	3	0	-
01007103	Arabic Communication Skills	3	3	0	01007101
01007104	English Communication Skills	3	3	0	01007102
Total 15					

1st Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006146	Introduction to Programming	3	2	1	01006145
03004101	Networks and Cybersecurity Essentials	3	2	1	01006145
03001101	Digital Logic Design	3	3	0	01006145
01006103	Statistics and Probability	3	3	0	01006101
01007111	National Education	3	3	0	-
01007113	Leadership and Societal Responsibility	1	1	0	-
Total 16					

2nd Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006241	Object-Oriented Programming	3	2	1	01006146
03001203	Fundamentals of Databases	3	2	1	01006146
03001205	Computer Organization and Architecture	3	3	0	03001101
01006201	Linear Algebra	3	3	0	01006101
01007201	English Language for Information Technology	2	2	0	01007104
-	University Elective Requirement 1	3	3	0	-
Total 17					

2nd Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03001201	Data Structures	3	3	0	01006241
03001204	Systems Analysis and Design	3	3	0	03001203
03001202	Visual Programming	3	3	0	01006241
01006311	Electronic Physics	2	2	0	-
01006312	Electronic Physics Lab	1	0	1	Coreq. 01006311
03003202	Internet Applications Development (1)	3	3	0	01006146
Total 15					

3rd Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03003306	Internet Applications Development (2)	3	3	0	03003202
03001302	Programming Techniques in Special Languages	3	3	0	03001201
03001301	Algorithms Analysis and Design	3	3	0	03001201
03004202	Computer Networks	3	3	0	03004101
01007112	Entrepreneurship and Innovation	1	1	0	-
-	Major Elective Requirement 1	3	3	0	-
Total 16					

3rd Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03004203	Cybersecurity	3	3	0	03004101
03003201	Introduction to Software Engineering	3	3	0	01006146
03001303	Theory of Computation	3	3	0	03001201
03007202	Introduction to Artificial Intelligence	3	3	0	01006146
-	University Elective Requirement 2	3	3	0	-
Total 15					

Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03001403	**Practical Training**	6	0	6	Pass 90 Cr. Hrs.
Students may only enroll in the practical training course after completing 90 credit hours, and no other courses can be registered in the same semester.					

4th Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03001404	Graduation Project	3	0	3	Pass 90 Cr. Hrs.
03001402	Mobile Applications Development	3	3	0	03001201
01006301	Numerical Analysis	3	3	0	01006101
03001304	Operating Systems	3	3	0	03001201
03001305	Programming Languages Design	3	3	0	03001201
01007114	Life Skills	1	1	0	-
Total 16					

4th Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03001401	Parallel Computing and Distributed Systems	3	3	0	03001304
01006344	Ethical and Professional Issues in Computing	1	1	0	01006146
01007115	Military Sciences	3	3	0	-
-	University Elective Requirement 3	3	3	0	-
-	Major Elective Requirement 2	3	3	0	-
-	Major Elective Requirement 3	3	3	0	-
Total 16					

Faculty Members' Contact Information – Computer Science Department:

Email	Name
m.hawarat@ammanu.edu.jo	Mohammad Alhawarat
q.kharma@ammanu.edu.jo	Qasem Kharma
a.alnsour@ammanu.edu.jo	Ayman Alnsour
a.mohamed@ammanu.edu.jo	Ayman Mohamed
s.hamouda@ammanu.edu.jo	Saeed Hamouda
s.mostafa@ammanu.edu.jo	Shimaa Mostafa
w.alsmadi@ammanu.edu.jo	Walaa Al-Smadi
m.rohaim@ammanu.edu.io	Mohamed Rohaim
m.elshourbagy@amman.edu.io	Motasem Elshourbagy
h.salamony@ammanu.edu.jo	Hany Elsalamony
h.abukaf@ammanu.edu.jo	Hebah Abu-Kaf
g.alsukkar@ammanu.edu.jo	Ghadeer AL-Sukkar
a.alhloul@ammanu.edu.jo	Alghafiqe Alhloul
m.hyari@ammanu.edu.jo	Mohammad Alhyari
m.aljarrah@ammanu.edu.jo	Mohammed AL-Jarrah
sumayakh@ammanu.edu.jo	Sumaya Alkhateb
q.naamneh@ammanu.edu.jo	Qais Al naamneh

Software Engineering Department



Introduction

The Software Engineering Department was established in 2007 with the aim of providing local and regional labor markets with distinguished graduates who possess both scientific knowledge and practical experience in software engineering. The department aligns with the vision of the College of Information Technology, which seeks to provide excellent education in an innovative environment that keeps up with the latest developments. It equips students with technical knowledge and leadership skills that meet labor market needs and keep pace with ongoing changes in the field.

Students earn a Bachelor's degree in Software Engineering upon completing all the required and elective courses, totaling 132 credit hours. The program is designed in accordance with international standards for curriculum development in software engineering. The college aims, through the Software Engineering program, to meet the growing local, regional, and global demand for qualified students in the fields of software engineering and its applications. This is achieved by using practical teaching and training methods that are continuously improved and developed to stay up-to-date with the latest scientific and technological advancements.

The Software Engineering program focuses on providing a blend of theoretical knowledge and practical skills through carefully chosen core courses that serve as a strong foundation for students. The program includes specialized courses such as Introduction to Software Engineering, Software Requirements Engineering, Software Design, Software Construction and Documentation, Software Testing and Quality Assurance, Software Project Management, Software Maintenance, Artificial Intelligence in Software Engineering, Internet Application Development, Graduation Project, and Practical Training.

Practical labs that provide students with the necessary skills to apply their knowledge in real-world settings accompany these courses. Community service is also an essential part of the program, where students are required to complete 10 hours of community service as a graduation requirement, enhancing their role in serving the community and supporting sustainable development.

Upon graduation, students are equipped not only with academic knowledge but also with practical skills that support the college's goals of achieving leadership in education and training aligned with labor market needs, while also supporting sustainable development through active community engagement and technological innovation.

Mission, Job Opportunities, and Program Educational Objectives (PEOs)

Mission

To provide distinguished education in a creative environment that keeps up with the latest developments in the field of software engineering, equipping students with technical knowledge and leadership skills that meet the needs of the labor market. The program adheres to quality assurance standards and local and international accreditation requirements to produce high-quality outcomes. It also activates scientific research and enhances collaboration with the local community and industry to provide innovative technological solutions that contribute to sustainable community development.

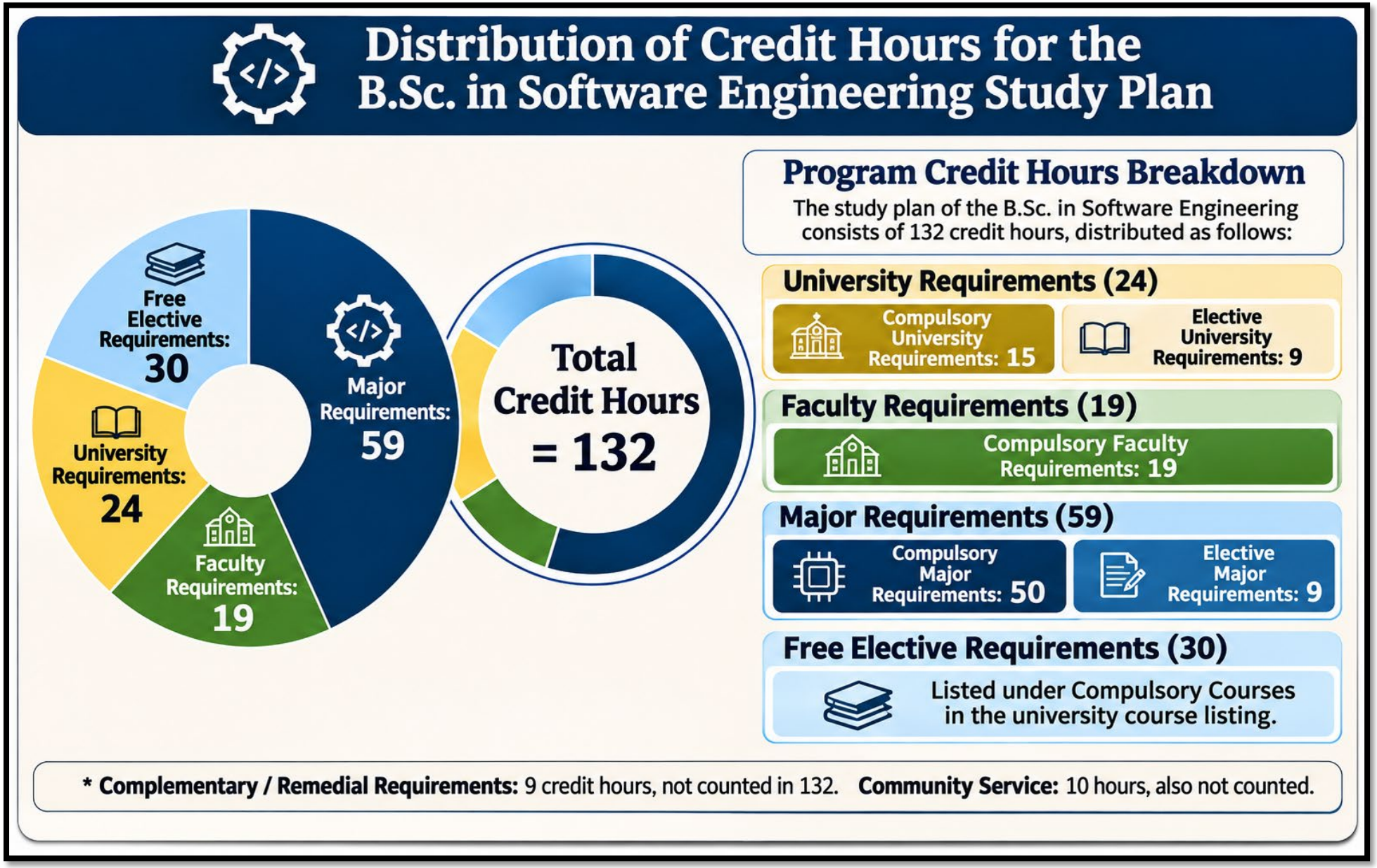
Job Opportunities

1. **Software Developer**
   - Design, develop, and maintain various software applications, including web, mobile, and embedded software.
2. **Web Application Developer**
   - Develop and maintain web applications using both front-end and back-end technologies such as JavaScript, HTML, CSS, and Node.js.
3. **Software Test Engineer**
   - Test software applications to ensure they work properly, identifying and fixing bugs through manual or automated software testing.
4. **Software Engineering Consultant**
   - Provide consulting and engineering solutions for software development in various industries, helping companies improve the effectiveness of their software development processes.
5. **Software Project Manager**
   - Lead and manage software development teams, ensuring that projects are completed on time, within budget, and according to required specifications.
6. **Software Integration Engineer**
   - Integrate different software systems and develop solutions for combining software using APIs and system integration files.
7. **Software Maintenance Engineer**
   - Maintain existing software, regularly updating it to ensure efficiency and performance over time.
8. **Embedded Software Engineer**
   - Develop software that runs on embedded devices (e.g., smart devices, robotics) using programming languages like C and C++.
9. **Data-driven Software Engineer**
   - Develop software that relies on data analysis, such as building systems to process and analyze data using artificial intelligence techniques.
10. **DevOps Engineer**
    - Automate and streamline software development and operations processes to improve speed and quality in software deployment.

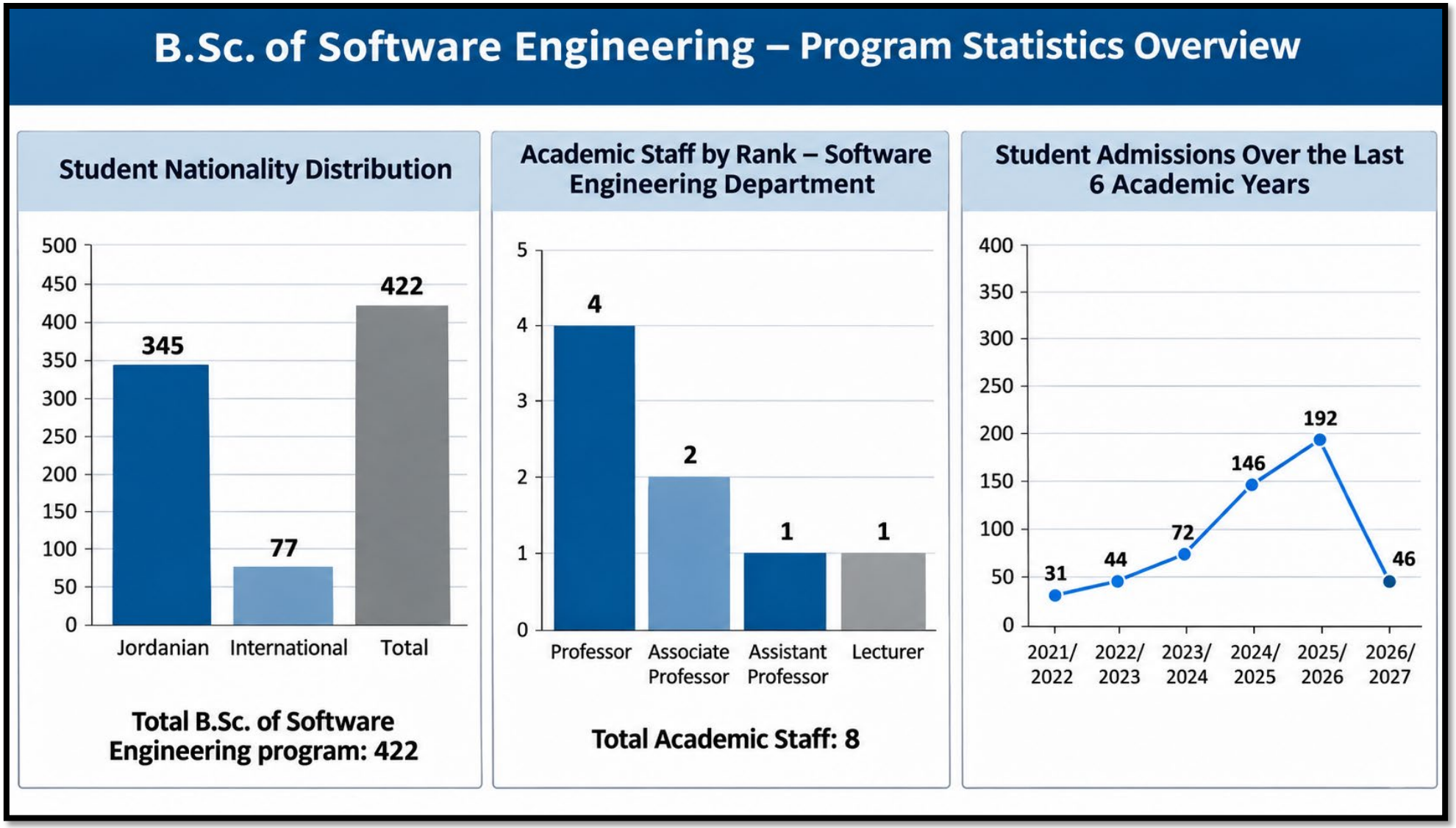
Program Educational Objectives (PEOs):

1. **Professional Success**: Graduates will succeed in the field of software engineering by working in areas such as software development, system design, database management, and software project management, applying their ability to solve complex problems and contribute to technological innovation.
2. **Continuous Professional Development**: Graduates will demonstrate continuous professional growth through further education, specialized training, and active participation in research and development within emerging fields such as software architecture, cloud computing, and cybersecurity.
3. **Innovative Contributions**: Graduates will contribute to the development of innovative and high-quality software solutions that address real-world challenges, using their technical expertise to meet both industry needs and societal expectations.
4. **Effective Communication and Ethical Leadership**: Graduates will possess strong communication and teamwork skills, working collaboratively within multidisciplinary teams and upholding high ethical standards, enabling them to take on leadership roles in both the software development industry and community projects.

Distribution of Credit Hours



Statistics Overview



Study Plan

Al-Ahliyya Amman University
Faculty of Information Technology

Study Plan (2026-2027) for Bachelor of Software Engineering

(132) Credit Hours

First: University Requirements: (24) Credit Hours

1) Compulsory University Requirements (15) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Exception	Course Type
01007103	Arabic Communication Skills	3	01007101	-	Online
01007104	English Communication Skills	3	01007102	-	Online
01007111	National Education	3	-	-	Online
01007115	Military Sciences	3	-	Non-Jordanians	Online
01007112	Entrepreneurship and Innovation	1	-	-	Online
01007113	Leadership and Societal Responsibility	1	-	-	Online
01007114	Life Skills	1	-	-	Online

2) Elective University Requirements (9) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Exception	Course Type
01006142	Digital Media and Communication	3	-	-	Online
01006143	Digital Heritage Management and Sustainable Tourism	3	-	-	Online
01006144	Digital Literacy	3	-	Faculty of Information Technology Students	Online
01007105	Foreign Language	3	-	Languages Department Students	Blended
01007116	Islamic Culture	3	-	-	Online
01007117	History of Jordan and Palestine	3	-	-	Online
01007121	Contemporary Issues	3	-	-	Online
01007122	Legal Education and Human Rights	3	-	Faculty of Law Students	Online
01007123	Development and Environment	3	-	-	Online
01007124	Sport and Health	3	-	Physical Education and Health Students	Online

Community Service is a mandatory requirement of (10) hours.

Second: Faculty Compulsory Requirements (21) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Concurrent	Course Type
01006101	Mathematics (1)	3	–	-	Blended
01006103	Probability and Statistics	3	01006101	-	Blended
01006107	Discrete Mathematics	3	–	-	Blended
01006145	Introduction to Information Technology	3	–	-	Blended
01006146	Introduction to Programming	3	01006145	-	Face to Face
01006201	Linear Algebra	3	01006101	-	Face to Face
01006344	Ethical and Professional Issues in Computing	1	01006146	-	Online
01007201	English Language for Information Technology	2	01007104	-	Blended

Third: Major Requirements (87) Credit Hours

1) Compulsory Major Requirements (39) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Concurrent	Course Type
03003201	Introduction to Software Engineering	3	01006146	-	Face to Face
03003202	Internet Applications Development (1)	3	01006146	-	Blended
03003301	Software Requirements Engineering	3	03003201	-	Blended
03003302	Software Architecture and Design	3	03003201	-	Face to Face
03003303	Secure Software Construction and Development	3	03003302	-	Face to Face
03003304	Software Testing and Quality Assurance	3	03003201	-	Face to Face
03003305	Human Computer Interaction	3	03001204	-	Face to Face
03003401	Software Processes and Project Management	3	03003201	-	Face to Face
03003402	Software Maintenance and Configuration Management	3	03003201	-	Face to Face
03003403	Practical Training	6	Pass 90 Cr. Hrs	-	Face to Face
03003404	Graduation Project 1	3	Pass 90 Cr. Hrs	-	Blended
03003405	Graduation Project 2	3	03003404	-	Blended

Blended: 37% Face-to-Face: 44.7% Online: 18.3%

2) Ancillary Major Requirements (39) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Concurrent	Course Type
01006241	Object-oriented Programming	3	01006146	-	Face to Face
03001101	Digital Logic Design	3	01006145	-	Face to Face
03001201	Data Structures	3	01006241	-	Blended
03001202	Visual Programming	3	01006241	-	Face to Face
03001203	Fundamentals of Databases	3	01006146	-	Face to Face
03001204	Systems Analysis and Design	3	03001203	-	Blended
03001205	Computer Organization and Architecture	3	03001101	-	Face to Face
03001301	Algorithms Analysis and Design	3	03001201	-	Blended
03001304	Operating Systems	3	03001201	-	Blended
03001307	Advanced Databases	3	03001203	-	Blended
03001401	Parallel Computing and Distributed Systems	3	03001304	-	Blended
03004101	Networks and Cybersecurity Essentials	3	01006145	-	Face to Face
03007202	Introduction to Artificial Intelligence	3	01006146	-	Blended

3) Elective Major Requirements (9) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Concurrent	Course Type
03001206	Protection using Linux	3	03004101	-	Blended
03001308	Cloud Computing & Security	3	03004101	-	Face to Face
03001402	Mobile Applications Development	3	03001201	-	Face to Face
03003306	Internet Applications Development (2)	3	03003202	-	Face to Face
03003307	Web Services Programming	3	03003306	-	Face to Face
03003308	Programming Language in Software Engineering	3	01006241	-	Face to Face
03003406	Software Engineering Economics	3	03003201	-	Face to Face
03003407	Selected Topics in Software Engineering (1)	3	01006145	-	Face to Face
03003408	Selected Topics in Software Engineering (2)	3	01006145	-	Face to Face

Fourth: Remedial Requirements (to a student who has not passed the level exam)

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
01006141	Computer Skills (Remedial)	3		-	Online
01007101	Arabic Language (Remedial)	3	-	-	Online
01007102	English Language (Remedial)	3	-	-	Online

LT-F10-06-002, Rev. d
Ref.: 07/24/2021 - 2022
Date: 22/02/2022

Advisory Study Plan

1st Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006145	Introduction to Information Technology	3	3		-
01006101	Mathematics (1)	3	3		-
01006107	Discrete Mathematics	3	3		-
01007103	Arabic Communication Skills	3	3		01007101
01007104	English Communication Skills	3	3		01007102
01007112	Entrepreneurship and Innovation	1	1		-
Total :16					

1st Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006145	Introduction to Information Technology	3	2	1	01006145
03004101	Networks and Cybersecurity Essentials	3	2	1	01006145
03001101	Digital Logic Design	3	3		01006145
01006103	Probability and Statistics	3	3		01006101
01007111	National Education	3	3		-
01007113	Leadership and Societal Responsibility	1	1		-
Total:16					

2nd Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006241	Object-oriented Programming	3	2	1	01006146
03001203	Fundamentals of Databases	3	2	1	01006146
03001205	Computer Organization and Architecture	3	3		03001101
01006201	Linear Algebra	3	3		01006101
01007201	English Language for Information Technology	2	2		01007104
	University Elective Requirement 1	3	3		-
Total: 17					

2nd Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03001201	Data Structures	3	3		01006241
03001204	Systems Analysis and Design	3	3		03001203
03001202	Visual Programming	3	3		01006241
03003201	Introduction to Software Engineering	3	3		01006146
03003202	Internet Applications Development (1)	3	3		01006146
01007114	Life Skills	1	1		-
Total: 16					

3rd Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03003302	Software Architecture and Design	3	3		03003201
03003301	Software Requirements Engineering	3	3		03003201
03001307	Advanced Databases	3	3		03001203
03001304	Operating Systems	3	3		03001201
03001301	Algorithms Analysis and Design	3	3		03001201
Total: 15					

3rd Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03003303	Secure Software Construction and Development	3	3		03003302
03003304	Software Testing and Quality Assurance	3	2	1	03003201
03003305	Human Computer Interaction	3	3		03001204
03007202	Introduction to Artificial Intelligence	3	3		01006146
	Major Elective Requirement 1	3	3		-
Total:15					

3rd Year/ Summer Semester					
Course No.	Cour6se Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03003403	Practical Training	6		6	Pass 90 Cr. Hrs
Total:6					

4th Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03003401	Software Processes and Project Management	3	3		03003201
03003402	Software Maintenance and Configuration Management	3	3		03003201
03003404	Graduation Project 1	3		3	Pass 90 Cr. Hrs
01006344	Ethical and Professional Issues in Computing	1	1		01006146
	University Elective Requirement 2	3	3		-
	Major Elective Requirement 2	3	3		-
Total:16					

4th Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01007115	Military Sciences	3	3		-
03003405	Graduation Project 2	3		3	03003404
03001401	Parallel Computing and Distributed Systems	3	3		03001304
	University Elective Requirement 3	3	3		-
	Major Elective Requirement 3	3	3		-
Total:15					

Faculty Members' Contact Information – Software Engineering Department:

Email	Name
mhourani@ammanu.edu.jo	Mou'ath Hourani
a.shalaldeh@ammanu.edu.jo	Ahmad Shalaldeh
ah.habboush@ammanu.edu.jo	Ahmad Habboush
a.shubita@ammanu.edu.jo	Ahmad Shubita
i.kraidia@ammanu.edu.jo	Insaf Kraidia
mabusafeyeh@ammanu.edu.jo	Majed Abu Safyah
y.alrabanah@ammanu.edu.jo	Yousef Alraba'nah
y.yaseen@ammanu.edu.jo	Yousef Yaseen

Networks and Cybersecurity Department



Introduction

The Networks and Cybersecurity Department was established in 2013 with the aim of providing local and regional labor markets with distinguished graduates who possess scientific knowledge and practical experience in networks and cybersecurity. The department aligns with the vision of the College of Information Technology, which seeks to provide excellent education in an innovative learning environment that keeps up with the latest developments. It equips students with technical knowledge and leadership skills that meet labor market needs and keep pace with ongoing changes in the field.

Students earn a Bachelor's degree in Networks and Cybersecurity after successfully completing all required and elective coursework, totaling 132 credit hours. The program is designed to meet international academic standards and to satisfy the growing local, regional, and global demand for qualified professionals in the field. It emphasizes a strong foundation in networking fundamentals, security technologies, and hands-on practical training.

The Networks and Cybersecurity program focuses on providing a blend of theoretical knowledge and practical skills through carefully chosen core courses that serve as a strong foundation for students. The specialized courses include Introduction to Networks and Cybersecurity, Network Security, Cybersecurity, Ethical Hacking, Digital Forensics, Data and Software Security, Network Administration and Monitoring, Programming for Cybersecurity, Cryptography Theory, Linux Security, Graduation Project, and Practical Training.

Practical labs that provide students with the essential skills to apply their knowledge in real-world settings accompany these courses. Community service is also an integral requirement of the program, where students must complete 10 hours of community service as part of their graduation criteria, reinforcing their social responsibility and contribution to sustainable development.

Upon graduation, students are not only armed with academic knowledge but also with practical expertise that supports the College's goals of excellence in education and training, aligns with market needs, and contributes to sustainable development through active community engagement and technological innovation.

Mission, Job Opportunities, and Program Educational Objectives (PEOs)

Mission

To provide distinguished education in a creative environment that keeps up with the latest developments in the field of Networks and Cybersecurity, equipping students with technical knowledge and leadership skills that meet the needs of the labor market. The program adheres to quality assurance standards and local and international accreditation requirements to produce high-quality outcomes. It also activates scientific research and enhances collaboration with the local community and industry to provide innovative technological solutions that contribute to sustainable community development.

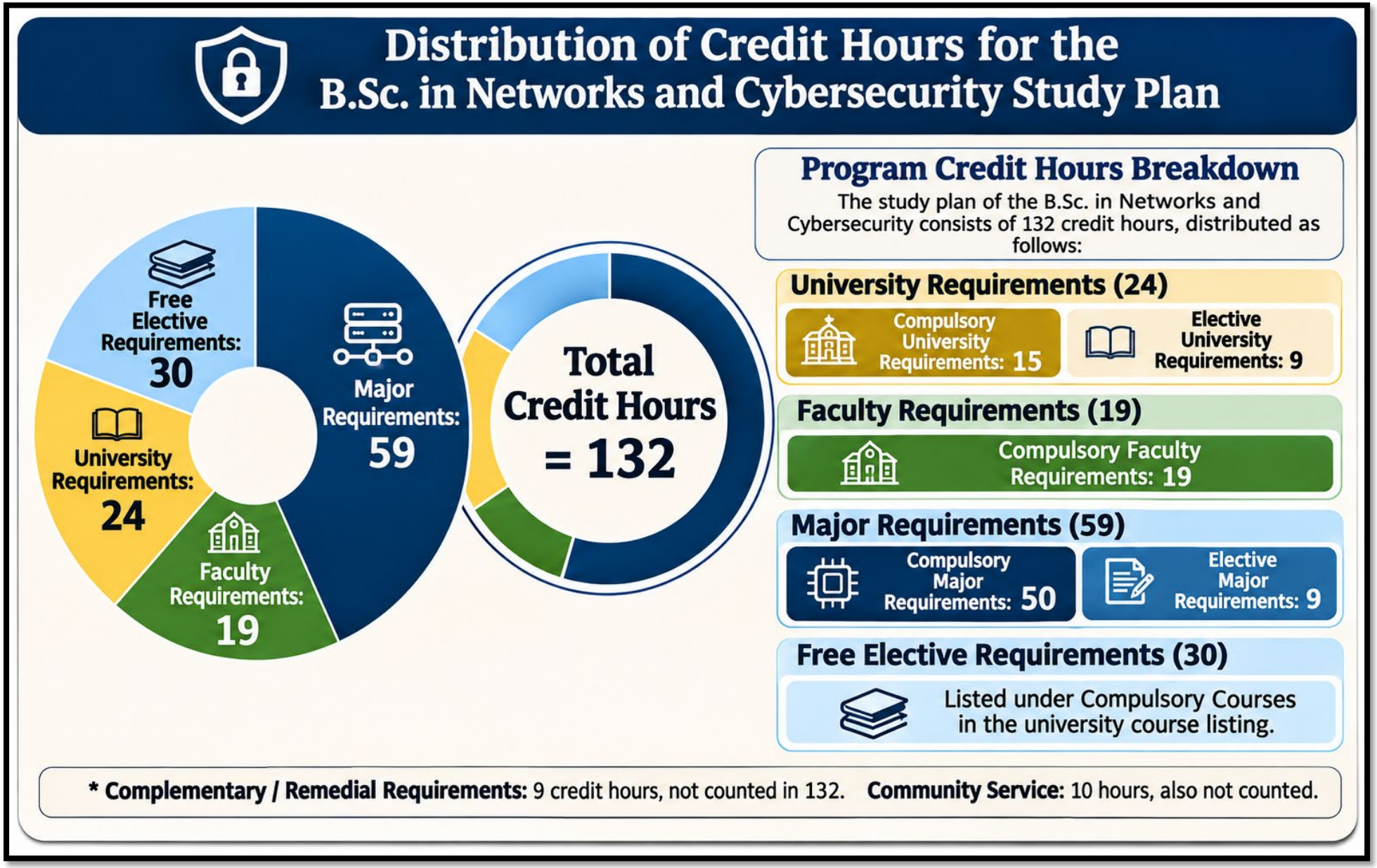
Job Opportunities

1. **Cybersecurity Analyst**
   - Monitor, detect, and respond to security threats and incidents within an organization's network and systems. Implement security measures to safeguard sensitive data and prevent cyber-attacks.
2. **Penetration Tester (Ethical Hacker)**
   - Conduct security tests on networks, applications, and systems by simulating attacks to identify vulnerabilities before malicious hackers can exploit them. Provide recommendations for improving security.
3. **Information Security Manager**
   - Oversee an organization's cybersecurity strategy and policy. Manage security teams and ensure compliance with relevant security standards and regulations.
4. **Security Operations Center (SOC) Analyst**
   - Monitor and respond to security incidents in real-time within a Security Operations Center (SOC). Analyze security alerts and take action to mitigate potential threats.
5. **Cybersecurity Consultant**
   - Provide expert advice to organizations on how to improve their cybersecurity posture. Recommend best practices, tools, and strategies to secure networks, data, and systems.
6. **Firewall Administrator**
   - Configure, manage, and maintain firewall systems to protect an organization's internal network from unauthorized access, malware, and other cybersecurity threats.
7. **Systems Administrator (Security-focused)**
   - Manage and maintain servers and systems with a focus on security. Implement security patches, monitor system activity, and configure secure access controls to prevent unauthorized access.
8. **Cybersecurity Researcher**
   - Conduct research into new cybersecurity threats, vulnerabilities, and technologies. Develop innovative techniques and tools to detect, prevent, and mitigate cyber threats.
9. **Ethical Hacking Trainer**
   - Teach ethical hacking and cybersecurity principles to individuals or organizations. Provide training on how to perform penetration tests, identify vulnerabilities, and enhance network security.

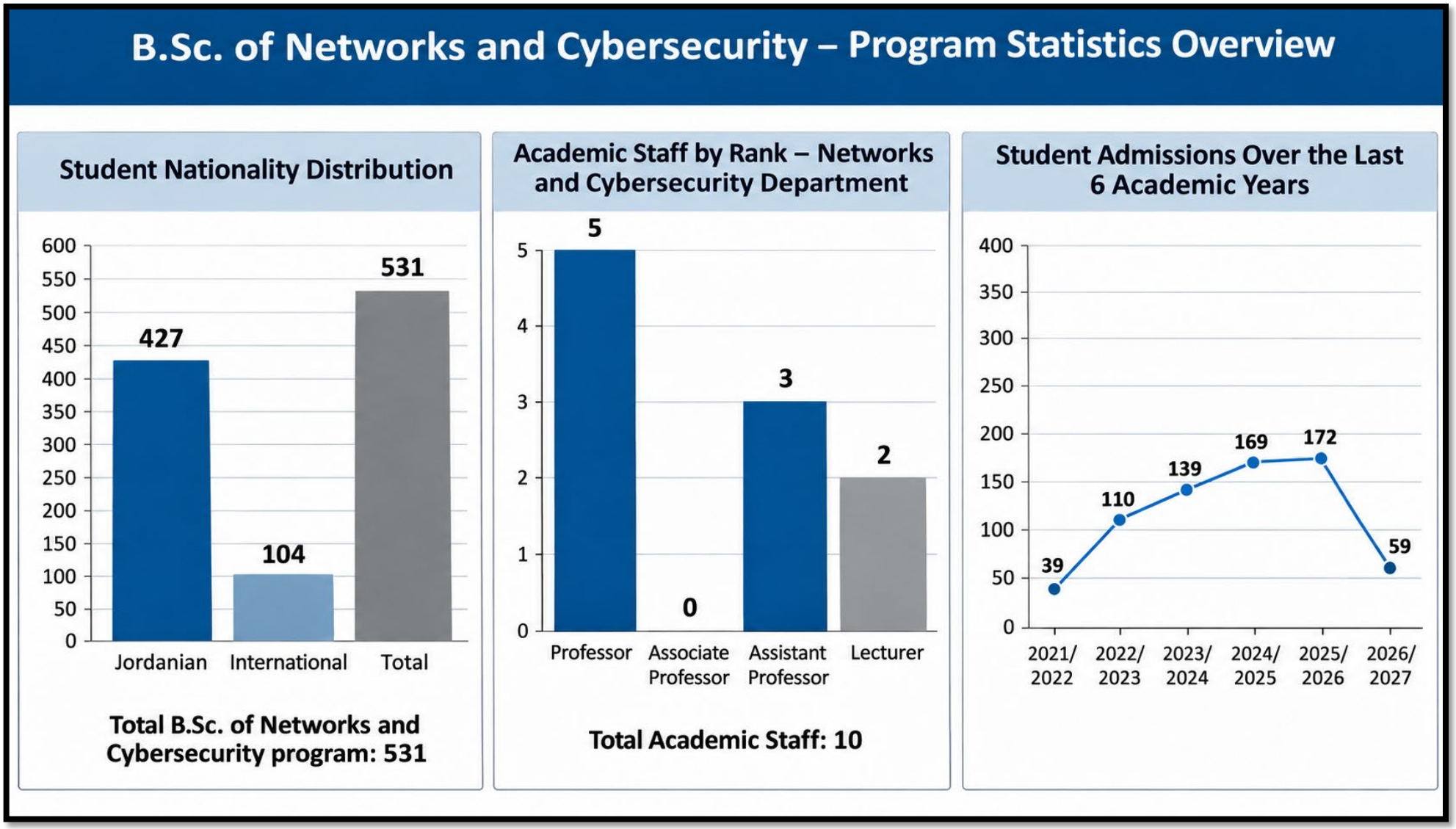
Program Educational Objectives (PEOs):

1. PEO-1: **Professional Success**: Graduates will succeed in the field of networking and cybersecurity by applying advanced security techniques, network management, and troubleshooting skills to safeguard networks and systems in various industries.
2. PEO-2: **Continuous Professional Development**: Graduates will demonstrate continuous professional growth by staying current with emerging technologies and cybersecurity threats, obtaining certifications, and participating in ongoing training programs to enhance their expertise.
3. PEO-3: **Innovative Contributions**: Graduates will contribute to the development of innovative solutions to address cybersecurity challenges and enhance network performance, using their technical knowledge to meet industry needs and ensure data protection.
4. PEO-4: **Effective Communication and Leadership**: Graduates will possess the communication and leadership skills necessary to collaborate with multidisciplinary teams and lead projects that focus on securing networks and systems while upholding ethical standards.

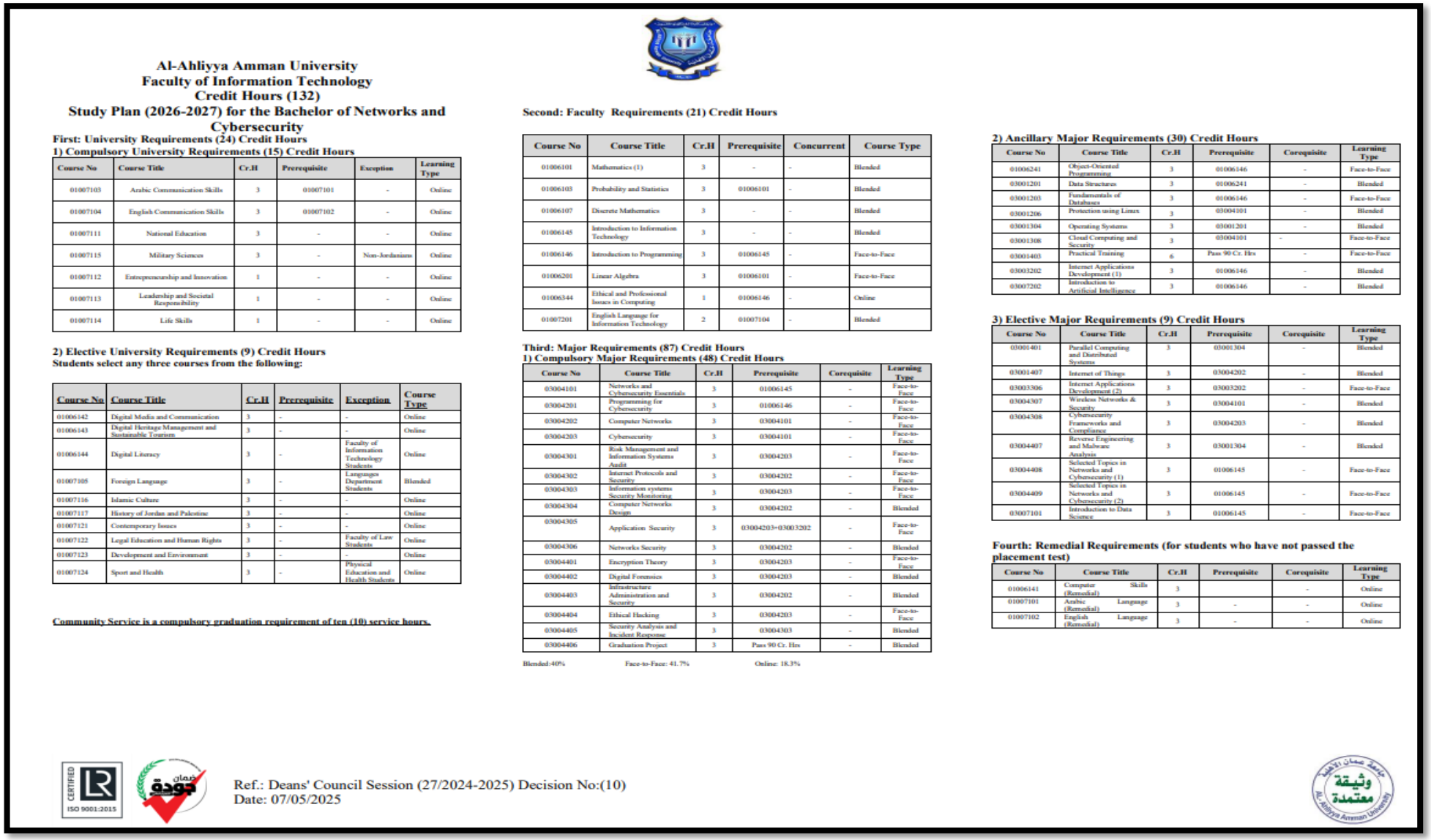
Distribution of Credit Hours



Statistics Overview



Study Plan



Al-Ahliyya Amman University
Faculty of Information Technology
Credit Hours (132)
Study Plan (2026-2027) for the Bachelor of Networks and Cybersecurity

First: University Requirements (24) Credit Hours

1) Compulsory University Requirements (15) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Exception	Learning Type
01007103	Arabic Communication Skills	3	01007101	-	Online
01007104	English Communication Skills	3	01007102	-	Online
01007111	National Education	3	-	-	Online
01007115	Military Sciences	3	-	Non-Jordanians	Online
01007112	Entrepreneurship and Innovation	1	-	-	Online
01007113	Leadership and Societal Responsibility	1	-	-	Online
01007114	Life Skills	1	-	-	Online

2) Elective University Requirements (9) Credit Hours
Students select any three courses from the following:

Course No	Course Title	Cr.H	Prerequisite	Exception	Course Type
01006142	Digital Media and Communication	3	-	-	Online
01006143	Digital Heritage Management and Sustainable Tourism	3	-	-	Online
01006144	Digital Literacy	3	-	Faculty of Information Technology Students	Online
01007105	Foreign Language	3	-	Languages Department Students	Blended
01007116	Islamic Culture	3	-	-	Online
01007117	History of Jordan and Palestine	3	-	-	Online
01007121	Contemporary Issues	3	-	-	Online
01007122	Legal Education and Human Rights	3	-	Faculty of Law Students	Online
01007123	Development and Environment	3	-	-	Online
01007124	Sport and Health	3	-	Physical Education and Health Students	Online

Community Service is a compulsory graduation requirement of ten (10) service hours.

Second: Faculty Requirements (21) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Concurrent	Course Type
01006101	Mathematics (1)	3	-	-	Blended
01006103	Probability and Statistics	3	01006101	-	Blended
01006107	Discrete Mathematics	3	-	-	Blended
01006145	Introduction to Information Technology	3	-	-	Blended
01006146	Introduction to Programming	3	01006145	-	Face-to-Face
01006201	Linear Algebra	3	01006101	-	Face-to-Face
01006344	Ethical and Professional Issues in Computing	1	01006146	-	Online
01007201	English Language for Information Technology	2	01007104	-	Blended

Third: Major Requirements (87) Credit Hours

1) Compulsory Major Requirements (48) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
03004101	Networks and Cybersecurity Essentials	3	01006145	-	Face-to-Face
03004201	Programming for Cybersecurity	3	01006146	-	Face-to-Face
03004202	Computer Networks	3	03004101	-	Face-to-Face
03004203	Cybersecurity	3	03004101	-	Face-to-Face
03004301	Risk Management and Information Systems Audit	3	03004203	-	Face-to-Face
03004302	Internet Protocols and Security	3	03004202	-	Face-to-Face
03004303	Information systems Security Monitoring	3	03004203	-	Face-to-Face
03004304	Computer Networks Design	3	03004202	-	Blended
03004305	Application Security	3	03004203+03003202	-	Face-to-Face
03004306	Networks Security	3	03004202	-	Blended
03004401	Encryption Theory	3	03004203	-	Face-to-Face
03004402	Digital Forensics	3	03004203	-	Blended
03004403	Infrastructure Administration and Security	3	03004202	-	Blended
03004404	Ethical Hacking	3	03004203	-	Face-to-Face
03004405	Security Analysis and Incident Response	3	03004303	-	Blended
03004406	Graduation Project	3	Pass 90 Cr. Hrs	-	Blended

Blended:40% Face-to-Face: 41.7% Online: 18.3%

2) Ancillary Major Requirements (30) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
01006241	Object-Oriented Programming	3	01006146	-	Face-to-Face
03001201	Data Structures	3	01006241	-	Blended
03001203	Fundamentals of Databases	3	01006146	-	Face-to-Face
03001206	Protection using Linux	3	03004101	-	Blended
03001304	Operating Systems	3	03001201	-	Blended
03001308	Cloud Computing and Security	3	03004101	-	Face-to-Face
03001403	Practical Training	6	Pass 90 Cr. Hrs	-	Face-to-Face
03003202	Internet Applications Development (1)	3	01006146	-	Blended
03007202	Introduction to Artificial Intelligence	3	01006146	-	Blended

3) Elective Major Requirements (9) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
03001401	Parallel Computing and Distributed Systems	3	03001304	-	Blended
03001407	Internet of Things	3	03004202	-	Blended
03003306	Internet Applications Development (2)	3	03003202	-	Face-to-Face
03004307	Wireless Networks & Security	3	03004101	-	Blended
03004308	Cybersecurity Frameworks and Compliance	3	03004203	-	Blended
03004407	Reverse Engineering and Malware Analysis	3	03001304	-	Blended
03004408	Selected Topics in Networks and Cybersecurity (1)	3	01006145	-	Face-to-Face
03004409	Selected Topics in Networks and Cybersecurity (2)	3	01006145	-	Face-to-Face
03007101	Introduction to Data Science	3	01006145	-	Face-to-Face

Fourth: Remedial Requirements (for students who have not passed the placement test)

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
01006141	Computer Skills (Remedial)	3		-	Online
01007101	Arabic Language (Remedial)	3	-	-	Online
01007102	English Language (Remedial)	3	-	-	Online

CERTIFIED ISO 9001:2015

Ref.: Deans' Council Session (27/2024-2025) Decision No:(10)
Date: 07/05/2025

Advisory Study Plan

1st Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006145	Introduction to Information Technology	3	3		_
01006101	Mathematics (1)	3	3		-
01006107	Discrete Mathematics	3	3		-
01007103	Arabic Communication Skills	3	3		01007101
01007104	English Communication Skills	3	3		01007102
01007112	Entrepreneurship and Innovation	1	1		-
Total: 16					

1st Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006146	Introduction to Programming	3	2	1	01006145
03004101	Networks and Cybersecurity Essentials	3	2	1	01006145
01006103	Probability and Statistics	3	3		01006101
01007111	National Education	3	3		-
01007113	Leadership and Societal Responsibility	1	1		-
	University Elective(1)	3	3		-
Total: 16					

2nd Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006241	Object-Oriented Programming	3	2	1	01006146
03001203	Fundamentals of Databases	3	2	1	01006146
03004202	Computer Networks	3	3		03004101
03004203	Cybersecurity	3	3		03004101
01006201	Linear Algebra	3	3		01006101
01007201	English Language for Information Technology	2	2		01007104
Total: 17					

2nd Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03001201	Data Structures	3	3		01006241
03001206	Protection using Linux	3	3		03004101
03004201	Programming for Cybersecurity	3	3		01006146
03004302	Internet Protocols and Security	3	3		03004202
03004304	Computer Networks Design	3	3		03004202
01007114	Life Skills	1	1		
Total: 16					

3rd Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03004306	Networks Security	3	3		03004202
03004402	Digital Forensics	3	3		03004203
03003202	Internet Applications Development (1)	3	3		01006146
03004401	Encryption Theory	3	3		03004203
03001304	Operating Systems	3	3		03001201
	University Elective(2)	3	3		-
Total: 18					

3rd Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03004305	Application Security	3	3		03004203+03003202
03004403	Infrastructure Administration and Security	3	3		03004202
03004303	Information systems Security Monitoring	3	3		03004203
03007202	Introduction to Artificial Intelligence	3	3		01006146
	Major Elective (1)	3	3		-
Total: 15					

3rd Year/ Summer Semester					
Pre Requisite	Credit Hours			Course Title	Course No.
	Practical	Theory	Total		
Pass 90 CH.S	6		6	Practical Training	03001403
Passing 90 credit hours. No other courses may be registered concurrently with Practical Training .					

4th Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03001308	Cloud Computing and Security	3	3		03004101
03004301	Risk Management and Information Systems Audit	3	3		03004203
03004404	Ethical Hacking	3	3		03004203
03004405	Security Analysis and Incident Response	3	3		03004303
	Major Elective (2)	3	3		-
Total: 15					

4th Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006344	Ethical and Professional Issues in Computing	1	1		
01007115	Military Sciences	3	3		
03004406	Graduation Project	3		3	Pass 90 CH.S
	Major Elective (3)	3	3		
	University Elective (3)	3	3		
Total:13					

Faculty Members' Contact Information – Networks and Cybersecurity Department:

Email	Name
m.alhusainy@ammanu.edu.jo	Mohammed Al-Husainy
n.turab@ammanu.edu.jo	Nedal Turab
o.almomani@ammanu.edu.jo	Omar AlMomani
m.abualhaj@ammanu.edu.jo	Mosleh Abu Alhaj
a.husein@ammanu.edu.jo	Abdelrahman Hussein
m.zyoud@ammanu.edu.jo	Mahran Al-Zyoud
y.alsarhan@ammanu.edu.jo	Yazeed Al-Sarhan
a.mashaleh@ammanu.edu.jo	Ashraf AL-Mashaleh
n.shafi@ammanu.edu.jo	Nida Al-shafi
r.salman@ammanu.edu.jo	Ruba Salman

Data Science and Artificial Intelligence Department



Introduction

The Artificial Intelligence Department was established in 2020 with the aim of providing local and regional labor markets with distinguished graduates who possess scientific knowledge and practical experience in artificial intelligence. The department aligns with the vision of the College of Information Technology, which seeks to provide excellent education in an innovative learning environment that keeps up with the latest developments. It equips students with technical knowledge and leadership skills that meet labor market needs and keep pace with ongoing changes in the field.

Students earn a Bachelor's degree in Artificial Intelligence after successfully completing all required and elective coursework, totaling 132 credit hours. The program is designed to meet international academic standards and to satisfy the growing local, regional, and global demand for qualified professionals in the field. It emphasizes a strong foundation in AI fundamentals, machine learning, and hands-on practical training.

The Artificial Intelligence program focuses on providing a blend of theoretical knowledge and practical skills through carefully chosen core courses that serve as a strong foundation for students. The specialized courses include Introduction to Artificial Intelligence, Machine Learning, Deep Learning, Applied Artificial Intelligence, Robotics, Computer Vision, Natural Language Processing, Artificial Intelligence Algorithms, Data Analysis, AI in Games, Graduation Project, and Practical Training.

These courses are supported by practical labs that enable students to apply their knowledge in real-world scenarios. Community service is also an integral requirement of the program; students must complete 10 hours of community service as part of their graduation criteria, fostering social responsibility and contributing to sustainable development.

Upon graduation, students are not only equipped with academic knowledge but also with practical competencies that support the College's goals of excellence in education and training, align with market needs, and contribute to sustainable development through active community engagement and technological innovation.

Mission, Job Opportunities, and Program Educational Objectives (PEOs)

Mission

To provide distinguished education in a creative environment that keeps up with the latest developments in the field of data science and artificial intelligence, equipping students with technical knowledge and leadership skills that meet the needs of the labor market. The program adheres to quality assurance standards and local and international accreditation requirements to produce high-quality outcomes. It also activates scientific research and enhances collaboration with the local community and industry to provide innovative technological solutions that contribute to sustainable community development.

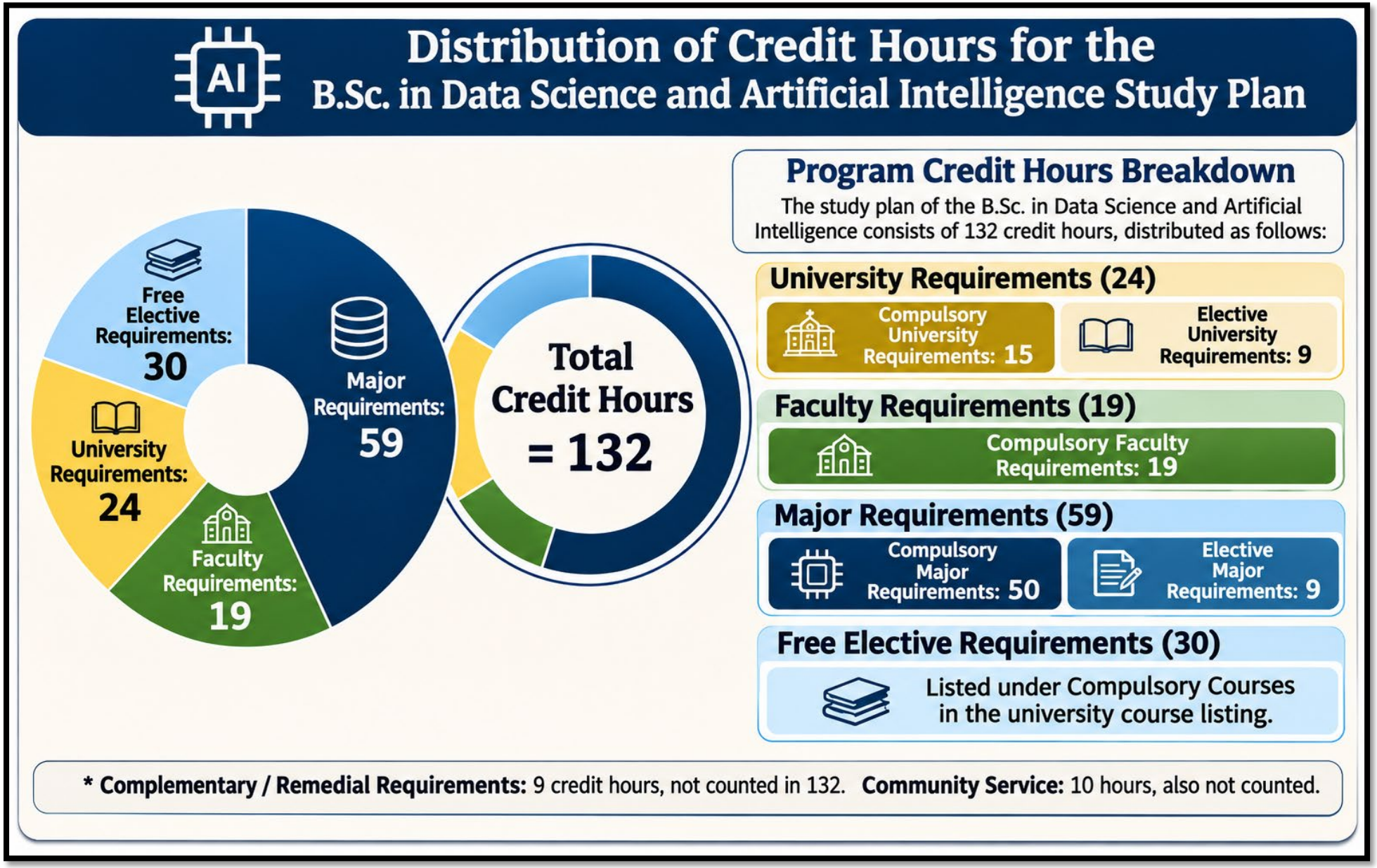
Job Opportunities

1. **Data Analyst**
   - Analyze datasets to identify patterns, trends, and relationships. Provide actionable insights to improve business processes, often focusing on data visualization and presenting findings to decision-makers.
2. **Natural Language Processing (NLP) Engineer**
   - Develop systems that enable computers to understand, interpret, and generate human language. Work on tasks like speech recognition, chatbots, and text analysis.
3. **Computer Vision Engineer**
   - Create algorithms and models that enable computers to interpret and understand visual data from the world, such as image recognition, object detection, and video analysis.
4. **Data Engineer**
   - Design and build systems and infrastructure that allow data scientists and analysts to access and analyze data. Focus on data collection, transformation, and storage.
5. **AI Software Engineer**
   - Develop and implement AI-driven software solutions. Work on integrating machine learning models into products and services to enable them to adapt and improve over time.
6. **Business Intelligence Analyst**
   - Analyze business data and use AI and machine learning techniques to provide actionable insights that help organizations make data-driven decisions.
7. **AI Product Manager**
   - Manage the development and deployment of AI-powered products. Work closely with engineering teams to translate business needs into AI solutions and ensure that products meet customer requirements.
8. **Robotics Engineer**
   - Work on developing intelligent robotic systems that can perform tasks autonomously. Integrate AI and machine learning with robotics to create systems for industries like manufacturing, healthcare, and logistics.
9. **AI Solutions Architect**
   - Design and implement AI infrastructure and solutions for companies. This role requires understanding both technical and business aspects to ensure seamless integration of AI technologies with existing systems.

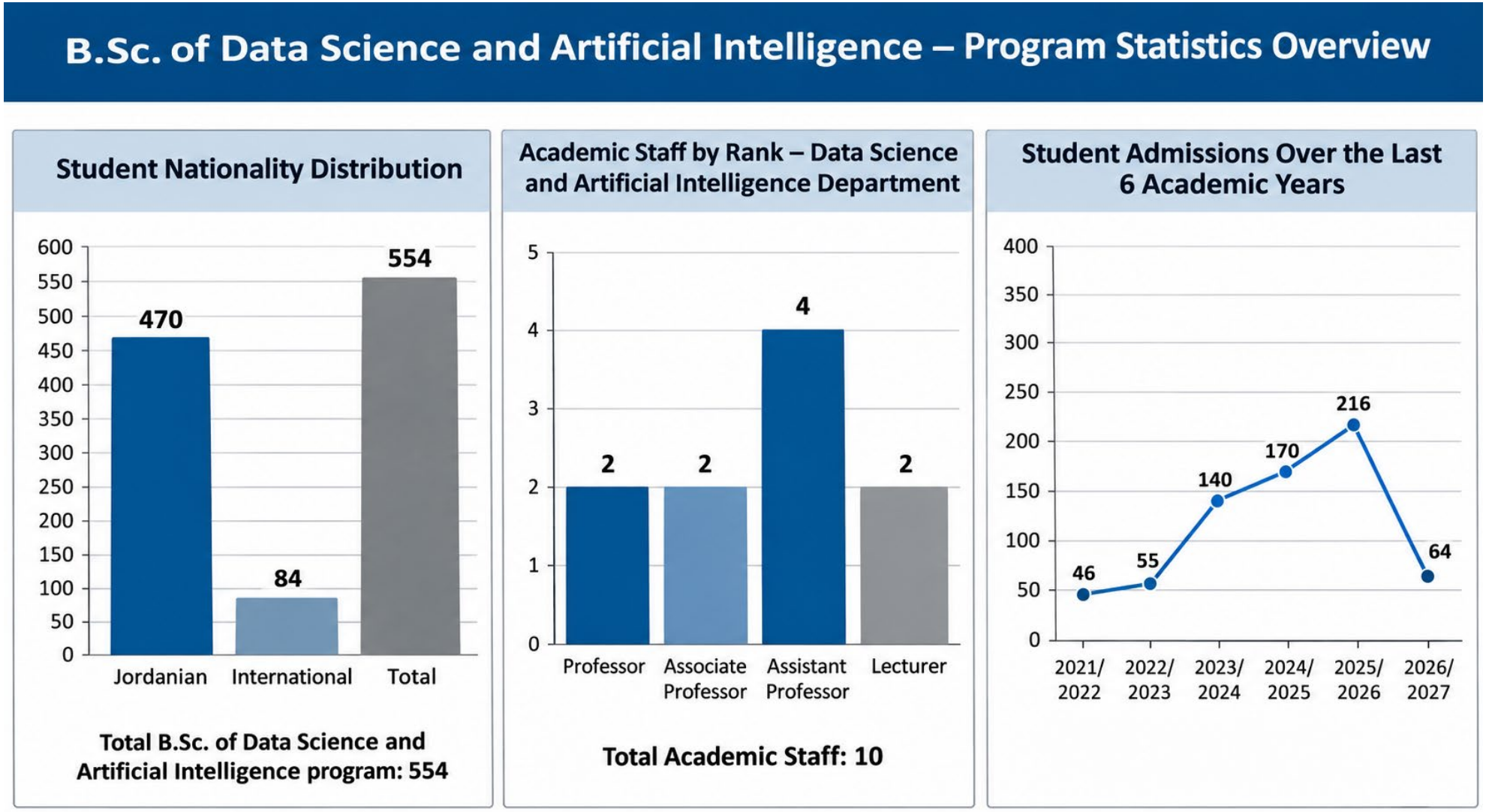
Program Educational Objectives (PEOs):

1. **PEO-1: Professional Success**: Graduates will succeed in the field of data science and artificial intelligence by applying AI techniques, machine learning, and data analysis to develop innovative solutions that meet the growing needs of the labor market.
2. **PEO-2: Continuous Professional Development**: Graduates will demonstrate ongoing professional growth by engaging in further education, earning specialized certifications in emerging fields such as machine learning, big data, and artificial intelligence.
3. **PEO-3: Innovative Contributions**: Graduates will contribute to the development of innovative solutions using **AI** and **data analysis** to address societal and industrial challenges, promoting sustainable technological advancement.
4. **PEO-4: Effective Communication and Ethical Leadership**: Graduates will acquire leadership and communication skills that enable them to work within multidisciplinary teams and lead projects utilizing data science and AI techniques to meet the needs of industry and society.

Distribution of Credit Hours



Statistics Overview



Study Plan

Al-Ahliyya Amman University
Faculty of Information Technology
Study Plan (2026-2027) for the Bachelor of Data Science and Artificial Intelligence
Credit Hours (132)

First: University Requirements (24) Credit Hours

1) Compulsory University Requirements (15) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Exception	Learning Type
01007103	Arabic Communication Skills	3	01007101	-	Online
01007104	English Communication Skills	3	01007102	-	Online
01007111	National Education	3	-	-	Online
01007115	Military Sciences	3	-	Non-Jordanians	Online
01007112	Entrepreneurship and Innovation	1	-	-	Online
01007113	Leadership and Societal Responsibility	1	-	-	Online
01007114	Life Skills	1	-	-	Online

2) Elective University Requirements (9) Credit Hours

Students select any three courses from the following:

Course No	Course Title	Cr.H	Prerequisite	Exception	Learning Type
01006142	Digital Media and Communication	3	-	-	Online
01006143	Digital Heritage Management and Sustainable Tourism	3	-	-	Online
01006144	Digital Literacy	3	-	Faculty of Information Technology Students	Online
01007105	Foreign Language	3	-	Languages Department Students	Blended
01007116	Islamic Culture	3	-	-	Online
01007117	History of Jordan and Palestine	3	-	-	Online
01007121	Contemporary Issues	3	-	-	Online
01007122	Legal Education and Human Rights	3	-	Faculty of Law Students	Online
01007123	Development and Environment	3	-	-	Online
01007124	Sport and Health	3	-	Physical Education and Health Students	Online

Community Service is a compulsory graduation requirement of ten (10) service hours.

Second: Faculty Requirements (21) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
01006101	Mathematics (1)	3	-	-	Blended
01006103	Probability and Statistics	3	01006101	-	Blended
01006107	Discrete Mathematics	3	-	-	Blended
01006145	Introduction to Information Technology	3	-	-	Blended
01006146	Introduction to Programming	3	01006145	-	Face-to-Face
01006201	Linear Algebra	3	01006101	-	Face-to-Face
01006344	Ethical and Professional Issues in Computing	1	01006146	-	Online
01007201	English Language for Information Technology	2	01007104	-	Blended

Third: Major Requirements (87) Credit Hours

1) Compulsory Major Requirements (48) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
03007101	Introduction to Data Science	3	01006145	-	Face-to-Face
03007201	Programming for Data Science	3	03007101	-	Face-to-Face
03007202	Introduction to Artificial Intelligence	3	01006146	-	Blended
03007301	Data Mining and Machine Learning	3	03007201	-	Blended
03007302	Data Engineering	3	03007201	-	Blended
03007303	Deep Learning	3	03007301	-	Face-to-Face
03007304	Robotics Programming	3	03007201	-	Face-to-Face
03007305	Computing Systems for Data Science and Artificial Intelligence	3	03007202	-	Face-to-Face
03007306	Big Data	3	03007201	-	Blended
03007307	Computer Vision	3	03007201	-	Face-to-Face
03007401	Natural Language Processing	3	03007202	-	Face-to-Face
03007402	Business Intelligence	3	03007202	-	Blended
03007403	Data Security	3	03007101	-	Blended
03007404	Optimization Algorithms	3	03007303	-	Blended
03007405	Machine Learning Operations	3	03007303	-	Face-to-Face
03007406	Graduation Project	3	Pass 90 Cr. Hrs	-	Blended

Blended:37% **Face-to-Face: 44.7** **Online: 18.3%**

2) Ancillary Major Requirements (30) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
01006241	Object-Oriented Programming	3	01006146	-	Face-to-Face
03001101	Digital Logic Design	3	01006145	-	Face-to-Face
03001201	Data Structures	3	01006241	-	Blended
03001203	Fundamentals of Databases	3	01006146	-	Face-to-Face
03001301	Algorithms Analysis and Design	3	03001201	-	Blended
03001403	Practical Training	6	Pass 90 Cr. Hrs	-	Face-to-Face
03003201	Introduction to Software Engineering	3	01006146	-	Face-to-Face
03003202	Internet Applications Development (1)	3	01006146	-	Blended
03004101	Networks and Cybersecurity Essentials	3	01006145	-	Face-to-Face

3) Elective Major Requirements (9) Credit Hours

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
03001206	Protection Using Linux	3	03004101	-	Blended
03001308	Cloud Computing and Security	3	03004101	-	Face-to-Face
03003306	Internet Applications Development (2)	3	03003202	-	Face-to-Face
03007203	Data Visualization	3	03007201	-	Face-to-Face
03007308	Information Retrieval	3	03007101	-	Face-to-Face
03007407	Pattern Recognition	3	03007301	-	Face-to-Face
03007408	Selected Topics in Artificial Intelligence	3	01006145	-	Face-to-Face
03007409	Selected Topics in Machine Learning	3	01006145	-	Face-to-Face
03007410	Selected Topics in Data Science	3	01006145	-	Face-to-Face

Fourth: Remedial Requirements (for students who have not passed the placement test)

Course No	Course Title	Cr.H	Prerequisite	Corequisite	Learning Type
01006141	Computer Skills (Remedial)	3	-	-	Online
01007101	Arabic Language (Remedial)	3	-	-	Online
01007102	English Language (Remedial)	3	-	-	Online

Ref.: Deans' Council Session (27/2024-2025) Decision No:(12)
Date: 07/05/2025

Advisory Study Plan

1st Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006101	Mathematics (1)	3	3	0	-
01006145	Introduction to Information Technology	3	3	0	-
01006107	Discrete Mathematics	3	3	0	-
01007103	Arabic Communication Skills	3	3	0	01007101
01007104	English Communication Skills	3	3	0	01007102
Total 15					

1st Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006103	Statistics and Probability	3	3	0	01006101
01006146	Introduction to Programming	3	3	0	01006145
03007101	Introduction to Data Science	3	3	0	01006145
03001101	Digital Logic Design	3	3	0	01006145
03004101	Networks and Cybersecurity Essentials	3	3	0	01006145
01007113	Leadership and Societal Responsibility	1	1	0	-
Total 16					

2nd Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03007201	Programming for Data Science	3	3	0	03007101
03001203	Fundamentals of Databases	3	3	0	01006146
01006241	Object-Oriented Programming	3	3	0	01006146
03007202	Introduction to Artificial Intelligence	3	3	0	01006146
01007111	National Education	3	3	0	-
01007112	Entrepreneurship and Innovation	1	1	0	-
Total 16					

2nd Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03007302	Data Engineering	3	3	0	03007201
03007301	Data Mining and Machine Learning	3	3	0	03007201
03001201	Data Structures	3	3	0	01006241
03003202	Internet Applications Development (1)	3	3	0	01006146
-	Elective University Requirements 1	3	3	0	-
Total 15					

3rd Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
01006201	Linear Algebra	3	3	0	01006101
03007303	Deep Learning	3	3	0	03007301
03007306	Big Data	3	3	0	03007201
03007401	Natural Language Processing	3	3	0	03007202
03007305	Computing Systems for Data Science and Artificial Intelligence	3	3	0	03007202
01007114	Life Skills	1	1	0	-
Total 16					

3rd Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03003201	Introduction to Software Engineering	3	3	0	01006146
03001301	Analysis and Design of Algorithms	3	3	0	03001201
03007304	Robotics Programming	3	3	0	03007201
03007403	Data Security	3	3	0	03007101
-	Elective University Requirements 2	3	3	0	-
-	Elective Major Requirements 1	3	3	0	-
Total 18					

Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03001403	Practical Training	6	0	6	Pass 90 Cr. Hrs.
Students may only enroll in the practical training course after completing 90 credit hours, and no other courses can be registered in the same semester.					

4th Year/ First Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03007406	Graduation Project	3	0	3	Pass 90 Cr. Hrs.
03007307	Computer Vision	3	3	0	03007201
01006344	Ethical and Professional Issues in Computing	1	1	0	01006146
01007201	English Language for Information Technology	2	2	0	01007104
03007404	Optimization Algorithms	3	3	0	03007303
-	Elective Major Requirements 2	3	3	0	-
Total 15					

4th Year/ Second Semester					
Course No.	Course Title	Credit Hours			Prerequisite
		Total	Theory	Practical	
03007402	Business Intelligence	3	3	0	03007202
03007405	Machine Learning Operations	3	3	0	03007303
01007115	Military Sciences	3	3	0	-
-	Elective University Requirements 3	3	3	0	-
-	Elective Major Requirements 3	3	3	0	-
Total 15					

Faculty Members' Contact Information – Data Science and Artificial Intelligence Department:

Email	Name
a.alshamayleh@ammanu.edu.jo	Ahmad Alshamayleh
a.alsarhan@ammanu.edu.jo	Ayoub Alsarhan
b.elzaghmouri@ammanu.edu.jo	Bassam Elzaghmouri
a.elshenawy@ammanu.edu.jo	Ayman Elshenawy
m.hawarat@ammanu.edu.jo	Mohammad Alhawarat
a.abushareha@ammanu.edu.jo	Ahmad Abu Shareha
m.abdelhamied@ammanu.edu.jo	Mahmoud Abdelhamied
m.alfaqeeh@ammanu.edu.jo	Mosab AL-Faqeeh
l.migdadi@ammanu.edu.jo	Lubaba Migdadi
a.hyassat@ammanu.edu.jo	Abdallah Hyassat

Master's in Cybersecurity program

The **Master's in Cybersecurity** program was established in 2021 with the goal of providing local and regional labor markets with graduates who possess advanced knowledge and practical experience in information security, risk management, and cyber defense. The program aligns with the vision of the College of Information Technology, which seeks to offer high-quality education in an innovative learning environment that keeps up with the latest developments in cybersecurity and digital technologies. The program aims to equip graduates with technical knowledge and leadership skills that meet labor market needs and keep pace with ongoing changes in this field.

The program offers a comprehensive curriculum that combines theoretical foundations with practical applications, based on the latest technologies and methodologies used to protect information systems and digital infrastructures. Students gain in-depth skills in analyzing, assessing, and mitigating security threats across various computing environments.

The Master in Cybersecurity program focuses on advanced topics such as cryptography and secure protocols, network and system security, ethical hacking and penetration testing, digital forensics and incident response, security governance and risk management, privacy and data protection, and secure software engineering practices. Additionally, the program includes specialized research, projects, and case studies that prepare students to contribute to both academia and industry.

The program offers two study tracks: The **Thesis Track** and the **Comprehensive Track**, each requiring **33 credit hours**. The Thesis Track includes a Master's Thesis, through which students apply research methodologies and cybersecurity solutions to real-world problems under faculty supervision. The Comprehensive Track emphasizes advanced coursework and applied learning. Practical labs, simulations, and collaborative activities further enhance students' readiness to protect and defend information assets in professional environments.

Upon graduation, students are equipped not only with advanced theoretical understanding but also with hands-on expertise and ethical competencies that support strategic decision-making in cybersecurity. Graduates are prepared to take on leadership roles in government agencies, private sector enterprises, critical infrastructure organizations, and research institutions, while contributing to innovation and sustainable development in the digital age.

Study Plan

Study Plan
M.Sc. in Cybersecurity (Thesis Track)
(33) Credit Hours
Issued 2026 /2027

Faculty: Information Technology **Department: Networks and Cybersecurity**

Compulsory Requirements:(18) Credit Hours

Course No.	Course Title	Cr.H	Prerequisite	Learning Type
03004701	Research Methodology	3	—	Face to Face
03004702	Applied Cryptography and Secure Protocols	3	—	Face to Face
03004703	Digital Forensics and Incident Response	3	—	Face to Face
03004704	Network and Cloud Security	3	—	Face to Face
03004705	Cyber Threat Analysis and Adversary Operations	3	—	Face to Face
03004706	Ethics, Law & Society in Cybersecurity	3	—	Online

Elective Requirements: (6) Credit Hours

Course No.	Course Title	Cr.H	Prerequisite	Learning Type
03004707	Cybersecurity Governance & Risk Management	3	—	Blended
03004708	Web security	3	—	Blended
03004709	Offensive and Defensive Techniques	3	—	Blended
03004710	Critical Infrastructure and IoT Security	3	—	Blended
03004711	Secure Software development	3	—	Blended
03004712	Malware Analysis and Reverse Engineering	3	—	Blended
03004713	Information Systems Audit and Cybersecurity Assurance	3	—	Blended
03004714	AI Applications in Cybersecurity	3	—	Blended

Thesis Track

Course No.	Course Title	Cr.H	Prerequisite	Special Requirement	Learning Type
03004799	Thesis	9	—	Completed at least 12 Cr.H. with a GPA not less than (3)	Blended

Face to Face = 45%, Blended = 45%, Online=10 %.

Faculty of Information Technology **Deanship of Graduate Studies** **Department of Admission and Registration**

Study Plan

Study Plan
M.Sc. in Cybersecurity (Comprehensive Track)
(33) Credit Hours
Issued 2026/2027

Faculty: Information Technology **Department: Networks and Cybersecurity**

Compulsory Requirements:(24) Credit Hours

Course No.	Course Title	Cr.H	Prerequisite	Learning Type
03004701	Research Methodology	3	—	Face to Face
03004702	Applied Cryptography and Secure Protocols	3	—	Face to Face
03004703	Digital Forensics and Incident Response	3	—	Face to Face
03004704	Network and Cloud Security	3	—	Face to Face
03004705	Cyber Threat Analysis and Adversary Operations	3	—	Face to Face
03004706	Ethics, Law & Society in Cybersecurity	3	—	Online
03004713	Information Systems Audit and Cybersecurity Assurance	3	—	Blended
03004714	AI Applications in Cybersecurity	3	—	Blended

Elective Requirements: (9) Credit Hours

Course No.	Course Title	Cr.H	Prerequisite	Learning Type
03004707	Cybersecurity Governance & Risk Management	3	—	Blended
03004708	Web security	3	—	Blended
03004709	Offensive and Defensive Techniques	3	—	Blended
03004710	Critical Infrastructure and IoT Security	3	—	Blended
03004711	Secure Software development	3	—	Blended
03004712	Malware Analysis and Reverse Engineering	3	—	Blended

Comprehensive Track

Course No.	Course Title	Cr.H	Prerequisite	Special Requirement	Learning Type
03004798	Comprehensive Exam	0		Completion of all required courses with a GPA not less than (3)	

Face to Face = 45%, Blended = 45%, Online=10 %.

Faculty of Information Technology **Deanship of Graduate Studies** **Department of Admission and Registration**

Master's in Data Science and Artificial Intelligence

The **Master's in Data Science and Artificial Intelligence** at **Al-Ahliyya Amman University** is an advanced graduate program established in 2025 to equip students with deep scientific knowledge and practical expertise in the rapidly growing fields of data science and artificial intelligence. The program supports the vision of the **College of Information Technology** to provide high-quality education that keeps pace with emerging technologies, preparing graduates to meet the increasing local, regional, and global demand for skilled professionals in data-driven systems and intelligent technologies.

The program offers two study tracks: The Thesis Track and the Comprehensive Track, each requiring 33 credit hours. The Thesis Track consists of 18 compulsory credit hours, 6 elective credit hours, and a 9-credit-hour Master's Thesis. The Comprehensive Track consists of 24 compulsory credit hours and 9 elective credit hours. Both tracks integrate theoretical foundations with practical applications, enabling students to develop advanced competencies in data analytics, machine learning, and artificial intelligence.

The program covers a broad range of advanced topics, including **Artificial Intelligence and Intelligent Agents**, **Machine Learning Systems**, **Generative AI and Large Language Models**, **Big Data Analytics and Systems**, **Natural Language Processing**, **Computer Vision and Multimodal Learning**, **Deep Learning and Foundation Models**, and **AI Governance, Ethics, and Trustworthiness**. Through compulsory and elective coursework, students develop the skills needed to design intelligent systems, analyze large-scale datasets, and apply artificial intelligence techniques to complex real-world problems.

Practical labs, research projects, and collaborative activities are key aspects of the program, ensuring that students gain both theoretical understanding and practical experience. Upon graduation, students are well-prepared for leadership roles in academia, industry, and research institutions, contributing to innovation, digital transformation, and sustainable development in the fields of data science and artificial intelligence.

Study Plan

Study Plan
M.Sc. in Data Science and Artificial Intelligence (Thesis Track)
(33) Credit Hours
Issued 2026/2027

Faculty: Information Technology

Department: Data Science and Artificial Intelligence

Compulsory Requirements: (18) Credit Hours

Course No.	Course Title	Cr.H	Prerequisite	Learning Type
03004701	Research Methodology	3	-	Face-to-Face
03007701	Artificial Intelligence and Intelligent Agents	3	-	Face-to-Face
03007702	Machine Learning Systems	3	-	Face-to-Face
03007703	Big Data Analytics & Systems	3	-	Face-to-Face
03007704	Generative AI and Large Language Models	3	-	Face-to-Face
03007705	AI Governance, Ethics, and Trustworthiness	3	-	Online

Elective Requirements: (6) Credit Hours

Course No.	Course Title	Cr.H	Prerequisite	Learning Type
03007706	Probabilistic Machine Learning	3	-	Blended
03007707	Computer Vision and Multimodal Learning	3	-	Blended
03007708	Deep Learning and Foundation Models	3	-	Blended
03007709	Reinforcement Learning and Sequential Decision Making	3	-	Blended
03007710	Data Visualization and Storytelling	3	-	Blended
03007711	Natural Language Processing Algorithms and Applications	3	-	Blended
03007712	Optimization for Machine Learning	3	-	Blended
03007713	AI-Driven Business Analytics	3	-	Blended
03007714	Web and Social Networks Analysis	3	-	Blended
03007715	Data Engineering and Integration	3	-	Blended

(Thesis)

Course No.	Course Title	Cr.H	Prerequisite	Special Requirement	Learning Type
03007799	Thesis	9	Completion of at least 12 Cr.H. with a GPA not less than (3)		Blended

Face-to-Face:45% Blended: 45% Online: 10%

Faculty of Information Technology **Faculty of Graduate Studies** **Department of Admission and Registration**

Study Plan

Study Plan
M.Sc. in Data Science and Artificial Intelligence (Comprehensive Track)
(33) Credit Hours
Issued 2026/2027

Faculty: Information Technology **Department: Data Science and Artificial Intelligence**

Compulsory Requirements: (24) Credit Hours

Course No.	Course Title	Cr.H	Prerequisite	Learning Type
03004701	Research Methodology	3	-	Face-to-Face
03007701	Artificial Intelligence and Intelligent Agents	3	-	Face-to-Face
03007702	Machine Learning Systems	3	-	Face-to-Face
03007703	Big Data Analytics & Systems	3	-	Face-to-Face
03007704	Generative AI and Large Language Models	3	-	Face-to-Face
03007705	AI Governance, Ethics, and Trustworthiness	3	-	Online
03007707	Computer Vision and Multimodal Learning	3	-	Blended
03007711	Natural Language Processing Algorithms and Applications	3	-	Blended

Elective Requirements: (9) Credit Hours

Course No.	Course Title	Cr.H	Prerequisite	Learning Type
03007706	Probabilistic Machine Learning	3	-	Blended
03007708	Deep Learning and Foundation Models	3	-	Blended
03007709	Reinforcement Learning and Sequential Decision Making	3	-	Blended
03007710	Data Visualization and Storytelling	3	-	Blended
03007712	Optimization for Machine Learning	3	-	Blended
03007713	AI-Driven Business Analytics	3	-	Blended
03007714	Web and Social Networks Analysis	3	-	Blended
03007715	Data Engineering and Integration	3	-	Blended

Face-to-Face:45% Blended: 45% Online: 10%

(Comprehensive)

Course No.	Course Title	Cr.H	Prerequisite	Special Requirement	Learning Type
03007798	Comprehensive Exam	0	Completion of all required courses with a GPA not less than (3)		

Faculty of Information Technology **Faculty of Graduate Studies** **Department of Admission and Registration**