



First: University Requirements: 24 Credit Hours

1. University Compulsory

- 21 credit hours for Jordanians
- 15 credit hours for Non-Jordanians

Course No.	Course Name	Cr.	Pre-req.
110103	Skills of Arabic Language (1)	3	----
111100	Military Science *(Training)	3	----
111133	Human Thoughts & Civilization (1)	3	----
130101	Skills of English Language (1)	3	----
130102	Skills of English Language (2)	3	130101
710101	Computer Skills (1)	3	----
111101	National Education *	3	

* Optional For Non Jordanians .

2. University Electives

- 3 credit hours for Jordanians
- 9 credit hours for Non-Jordanians

110102	Skills of Arabic Language (2)	3	110101
111111	Introduction to Sociology	3	----
111112	Introduction to Psychology	3	----
111113	Principles of Logic	3	----
111121	Issues in Contemporary Thought	3	----
111135	Human Thoughts & Civilization (2)	3	----
111142	Communication and Society	3	----
111153	Science & Society	3	----
140103	Foreign Language (French 1)	3	----
140104	Foreign Language (Italian 1)	3	----
140106	Foreign Language (Hebrew 1)	3	----
210121	History of Science	3	----
240151	Human and Environment	3	----
240141	Principles of Nutrition	3	----
330101	Introduction of Administration	3	----
340101	Principles of Marco Economics	3	----
420150	Human Rights	3	----
530100	Principles of Therapeutics	3	----
620105	Automobile Essentials	3	----

** Military Science is compulsory for Jordanian Students & Electives Course to Non-Jordanian Students

Second: Faculty Requirement: 18 Credit Hours

212101	General Chemistry (1)	3	----
210101	Calculus (1)	3	----
210231	Introduction to Probability & Statistics	3	----
240101	General Biology (1)	3	----
210122	Fundamentals of Scientific Knowledge	3	----
710104	Computer Skills 2 for Science & Colleges	3	710101

Third: Major Requirements: 90 Credit Hours

1. Compulsory Courses: 66 Credit Hours

250102	Calculus (2)	3	210101
250151	Discrete Mathematics	3	----
250201	Intermediate Analysis (1)	3	250102
250203	Ordinary Differential Equations	3	250201
250232	Probability Theory	3	210231+250201
250241	Linear Algebra (1)	3	210101
250251	Set Theory	3	250102
250261	Modern Euclidian Geometry	3	250251
250305	Partial Differential Equations	3	250203
250311	Real Analysis (1)	3	250151
250312	Complex Analysis	3	250311
250313	Number Theory	3	250102
250332	Mathematical Statistics	3	250232
250341	Linear Algebra (2)	3	250241
250342	Abstract Algebra (1)	3	250251
250371	Numerical Analysis	3	250241+250203
250372	Computer Aided Mathematics	3	----
250411	Real Analysis (2)	3	250311
250442	Abstract Algebra (2)	3	250342
250461	Topology	3	250311
250471	Mathematical Modeling	3	250102+250241
280472	Computational Number Theory	3	710102

2. Supplementary Courses: (12 Credit Hours)

211104	Applied Physics	3	----
210381	Problem Solving	3	Pass 60 Credit hours
210481	Instructional Strategies for Teaching Mathematics	3	Pass 90 Credit hours
210482	Pedagogy of Mathematics	3	Pass 90 Credit hours

3. Elective Course s: The student choose (12 Credit hours)

210331	Probability Design of Experiment	3	210231
210332	Applied Probability	3	210231
211316	Computational Physics	3	211104
250321	History of Mathematics	3	----
250351	Graph Theory	3	250251
250383	Psychology of Learning And Learning Theories	3	Dep. Agreement
250412	Functional Analysis	3	250311
250451	Mathematics Philosophy	3	Dep. Agreement
250462	Algebraic Topology	3	250461+250342
250473	Advanced Applied Mathematics	3	250311
250474	Control Theory	3	250241
250476	Games Theory	3	250241
250491	Seminar	1	Dep. Agreement
250492	Special topics	3	Dep. Agreement