

Mutah University
Faculty of Engineering
Department of Architecture and Building Technology
Study plan 2020-2021

* This plan is valid for all Architecture Engineering and Building Technology students/ Bachelor degree, starting from the 2020-2021 academic year.

* The student studies a total of 172 credit hours, as a minimum, to successfully obtain a bachelor's degree in Architecture and Building Technology.

First: Mandatory university courses (12 credit hours)

Course code	Course title	Number of hours	Prerequisite
0101173	Military Science	3	
1801101	Arabic Language (1)	3	1801099
1802101	English Language (1)	3	1802099
0600105	National Education	3	

Note: The student must take the proficiency exams in Arabic, English and Computer, during the first year of their enrolment at the University. Provided that the student who fails the exam registers a catch-up course (099) outside his plan.

Second: Elective University Courses (15 credit hours).

The student selects the courses from the following fields, provided that the number does not exceed (6) credit hours from each field:

- The field of human sciences.
- The field of social and economic sciences.
- The field of science, technology, agriculture and health.

* Human sciences: The student is taught a total of 6 credit hours selected from the below courses

Course code	Course title	Number of hours	Passing criterion
0201102	Arabic Language (literary taste)	3	Grades
0209109	French (1)	3	Pass/ Fail
0500100	Islamic Culture	3	Grades
0500103	Human Rights in Islam	3	Grades
0500105	Islam, Thought and Life	3	Grades
0500106	Contemporary Islamic Issues	3	Grades
0706100	Law in Our Life	3	Grades
0801101	Breeding Principles	3	Grades
0801103	Environmental Education	3	Grades
0809101	Principles of Psychology	3	Grades
1301100	Principles of Physical Education	3	Grades
1603102	Tourism in Jordan	3	Grades
1603103	Antiquities of Jordan and Palestine in Ancient Times	3	Grades
1802102	English Language (2)	3	Grades/ Prerequisite: 1802101

* Social and economic sciences: The student is taught a total of 6 credit hours selected from the below courses

Course code	Course title	Number of hours	Passing criterion
1601104	Introduction to Domestic Violence	3	Grades
1602104	Geography of Jordan	3	Grades
1604102	Islamic Civilization	3	Grades
1604104	Jerusalem in Arab and Islamic History	3	Grades
1605101	Introduction to Political Science	3	Grades
1605103	Contemporary International and Regional Issues	3	Grades
2100101	Entrepreneurship and Innovation in Business	3	Grades
2101102	The Development of Innovative Skills at Work	3	Grades
2101103	Developing the Skills of Preparing and Writing Reports	3	Grades
2101104	Managerial Skills	3	Grades
2101105	work ethics	3	Grades
2102101	Management Basics	3	Grades
2104100	Introduction to Economics	3	Grades
2109103	Life Communication Skills	3	Grades

* Science, technology and health: The student is taught a total of 3 credit hours selected from the below courses

Course code	Course title	Number of hours	Passing criterion
0304112	Computer Skills (2)	3	Grades
0401121	Principles of General Electricity	3	Grades
0402120	Principles in Car Mechanics and Maintenance	3	Grades
0403120	Traffic Safety	3	Grades
0405121	Principles of Computer Operation and Maintenance	3	Grades
1101108	Ornamental plants and home garden	3	Grades
1401100	Health Culture	3	Grades
2200100	Internet Applications and Social Networks	3	Grades
2200110	Libraries and Information	3	Grades

Third: Mandatory Faculty Courses (25 credit hours)

Course code	Course title	Number of hours			Prerequisite	Remarks
		Accredited	Theory	Practice		
0403198	Engineering Drawing	2		3		
0409106	Computer-Aided Architectural Drawing (1)	3	1	2	0403198	Only for Architecture students
0403261	Engineering Geology	3	3			Only for Architecture students
0409201	Engineering Drawing & Architectural Presentation	3	1	2	0403198	Only for Architecture students
0409206	Statics for Architects	3	3		0302101	Only for Architecture students

Course code	Course title	Number of hours			Prerequisite	Remarks
		Accredited	Theory	Practice		
0402110	Engineering workshop	1		3		
0409307	Surveying for Architects	3	1	2		Only for Architecture students
0404200	Communication skills	1	2	1		
0403302	Engineering Economy	3	3		0301102	
0403523	Project Management	3	3		0403421/ 0403302	

Fourth: Supporting Courses (9 credit hours)

Course code	Course title	Number of hours			Prerequisite
		Accredited	Theory	Practice	
0301101	Mathematic (1)	3	3		
0301102	Mathematic (2)	3	3		0301101
0302101	General Physics (1)	3	3		

Fifth: Elective Department Courses (9 credit hours)

Course code	Course title	Number of hours			Prerequisite
		Accredited	Theory	Practice	
0409519	Vernacular and Regional Architecture	3	3		
0409415	Contemporary Architecture	3	3		0409321
0409531	Building services	3	3		
0409425	Building workshop	3	1	4	0402110
0409518	Interior design	3	1	2	
0409420	Illumination and Acoustics	3	3		
0409402	Urban Design	3	2	2	0409413
0409525	Special topics in Architecture	3	3		

Sixth: Mandatory Department Courses (102 credit hours)

Course code	Course title	Number of hours			Prerequisite
		Accredited	Theory	Practice	
0409110	Introduction to Architecture Design (1)	4	2	4	
0409111	Freehand Sketching (1)	2	1	2	
0409115	Introduction to Architecture Design (2)	4	2	4	0409110
0409112	Freehand Sketching (2)	2	1	2	0409111

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Course code	Course title	Number of hours			Prerequisite
		Accredited	Theory	Practice	
0409200	Architecture Design (1)	4	1	5	0409115
0409203	History of Architecture (1)	3	3		
0409205	Building Construction (1)	3	3	1	0403198
0409210	Architecture Design (2)	4	1	5	0409200
0409211	Computer-Aided Architectural Drawing (2)	3	1	2	0409106
0409215	Building Construction (2)	3	3	2	0409205
0409216	History of Architecture (2)	3	3		0409203
0409300	Architecture Design (3)	4	1	5	0409210
0409316	Islamic Architecture	3	3		0409216
0409317	Working Drawings	3	2	2	0409215
0409326	Humanitarian Architecture	3	3		0409115
0409310	Architecture Design (4)	4	1	5	0409300
0409319	Building Legislation	3	3		0409317
0409321	Modern Architecture	3	3		0409316
0409400	Architecture Design (5)	4	1	5	0409310
0403421	Specifications and Qualities	3	3		0409317
0409413	Urban Planning	3	2	2	0409310
0409414	Environmental Control	3	2	1	0409210
0409410	Architecture Design (6)	4	1	5	0409400
0403473	Green Buildings	3	2	1	0409414
0409421	Landscape Architecture	3	2	2	0409310
0409401	Internship	6			Completing 123 credit hours + 0409310
0409500	Graduation Project (1)	2	2		Completing 120 credit hours + 0409410
0409520	Architecture Analysis & Criticism	3	3		0409321
0409515	Building Information Modelling- BIM	3	1	2	0409211 + 0403523
0409591	Graduation Project (2)	4		8	0409500 (pass)
0409595	Professional Practice	3	3		0409317