

**School of Construction Technology and Built Environment**

**Department of Architectural Engineering**

**Bachelor Degree – Architectural Engineer: 170 Credit Hours**

Specialization Pathways:

- Architectural Technology
- Construction Management
- Green Buildings
- Architectural Conservation
- Parametric Architecture

**Summary:**

Classification	Credit Hours		
	Compulsory	Elective	Total
University Requirements	24	3	27
School Requirements	18	0	18
HTU Department Requirements	36	9	45
HNC Department Requirements	20-28*	4-12*	32
HND Department Requirements	18	12	30
Placement in Industry Requirements	18	0	18
Total =	<b>134-142*</b>	<b>28-36*</b>	<b>170</b>

\* Depending on the specialization pathway

Practical Hours: Labs, Workshops, Studios, Seminars, Tutorials, Training, Fieldwork, Boot Camps & Excursions.

1 Practical Hour = 2-3 contact hours.

**0. English Language Prerequisites:**

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10301099	Pre-Foundation English Intensive + Lab	4	8	1	Placement Test 0-29

**1. University Requirements: 27 Credit Hours**

**1.1. Compulsory University Requirements: 24 Credit Hours**

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Contact Hours	Prerequisite
10301100	Foundation English Pre-Intermediate Intensive + Lab	4	8	1	10	Placement Test 30-42 or 10301099
OR 10301110	Foundation English Intermediate Intensive + Lab				10	Placement Test 43-58
10301120	English Intermediate + Lab	3	4	1	6	Placement Test 10301100
OR 10301130	English Upper-Intermediate + Lab	3			6	Placement Test 59-66 or 10301110 /10301120
10303140	English Advanced	3	4	1	6	Placement Test 67-75 or 10301130
10301101	Soft Skills I	2	0	2	4	-
10301102	Soft Skills II	2	0	2	4	10301101
10303202	Entrepreneurship Boot Camp	6	3	3	12	-
10303201	Leadership Camp*	1	0	1	3	10301101
<b>Total</b>		<b>24</b>				

\* the course includes a 10-day intensive training boot camp held off-campus.

**1.2. Elective University Requirements: 3 Credit Hours**

Students should choose to study 3 Credit Hours from the following List:

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Contact Hours	Prerequisite
10302191	Science & Society Seminar I: Arab Contributions to Science and Arts	1	0	1	2	-
10303199	Science & Society Seminar II: Philosophy of Science	1	0	1	2	-
10303196	Art Appreciation and Techniques	1	0	1	2	-
	Strategies for Industry Competitiveness: Tools & Techniques	1	0	1	2	10301101
	Civil & Professional Culture	1	0	1	2	
	Rights and responsibilities	1	0	1	2	
<b>Total Taken</b>		<b>3</b>				

## 2. School Requirements: (18 Credit Hours)

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10303101	Functional Math	3	3	0	-
10303100	Functional Physics	3	3	0	-
10201100	Fundamentals of Computing	4	3	1	-
10303130	STEM Lab I	1	0	1	-
10303131	STEM Lab II	1	0	1	10303130
10101100	Workshop I	2	0	2	-
10101102	Workshop II	1	0	1	10101100
10400120	Construction Workshop	1	0	1	10101112
10401111	Introduction to Construction Information	2	0	2	-
<b>Total</b>		<b>18</b>			

## 3. Al-Hussein Technical University (HTU) Department Requirements (45 Credit Hours):

### 3.1. HTU Compulsory Requirements (36 Credit Hours):

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10401112	Construction Information (Working Designs)	4	3	1	10401111
10401131	Creative Thinking Studio	2	0	2	-
10401211	Computer Visualizations	2	0	2	10401112
10401231	Individual Project II	4	3	1	10401132
10401232	Individual Project III	4	3	1	10401231
10402448	Structures for Architects I	2	1	1	10303100
10402449	Structures for Architects II	2	1	1	10402448
10401481	Design in the Urban Context	3	2	1	10401331
10401482	Landscape Urbanism	2	1	1	10401331
10401270	Architectural Excursion*	0	0	1	-
10401371	Understanding Architecture: History and Theories	2	1	1	-
10401372	Modern & Contemporary Architecture	2	1	1	-
10401373	Architecture in the Arab / Islamic Context	2	1	1	-
10401438	Graduation Project I	1	0	1	10401331
10401439	Graduation Project II	4	0	4	10401338
<b>Total</b>		<b>36</b>			

\* the course is a supervised specialized excursion for 7-10-days.

### 3.2. HTU Elective Requirements (9 Credit Hours):

Students should choose to study one of the following lists depending on the specialization pathway:

1) *Construction Management - 9 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10400451	Standard Forms of Contract for Construction (FIDIC)	3	2	1	10401331
10400452	Real Estate Development	2	1	1	10401331
10401432	Major Project: Housing Planning and Design	4	2	2	10401331
<b>Total</b>		<b>9</b>			

2) *Architectural Technology – 9 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10401421	Advanced Construction Systems	3	2	1	10401121
10409441	Building Services Design	2	1	1	10401331
10401431	Major Project: Complex Buildings	4	2	2	10401331
<b>Total</b>		<b>9</b>			

3) *Green Buildings - 9 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10401461	LEED Buildings & Green Design Concepts	3	2	1	10401331
10401462	Building Performance Modeling	2	1	1	10401331
10401433	Major Project: Green Buildings Integrated Design	4	2	2	10401331
<b>Total</b>		<b>9</b>			

4) *Architectural Conservation - 9 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10401471	Conservation Theory and Practice	3	2	1	10401331
10401472	Building Pathology and Diagnosis	2	1	1	10401331
10401434	Major Project: Adaptive Re-Use	4	2	2	10401331
<b>Total</b>		<b>9</b>			

5) *Parametric Architecture - 9 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10401411	Modelling Software Packages	3	2	1	10401331
10401412	Parametric Fabrications	2	1	1	10401331
10401435	Major Project: Parametric Architecture	4	2	2	10401331
<b>Total</b>		<b>9</b>			

#### 4. Higher National Certificate (HNC) Department Requirements (32 Credit Hours)

##### 4.1. HNC Compulsory Requirements (20-28 Credit Hours)\*:

\* Depending on the specialization pathway:

##### 4.1.1. Compulsory Core Units (12 Credit Hours):

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10401132	Individual Project I – Pearson Set	4	3	1	10401111
10401121	Construction Technology	4	3	1	10401111
10400151	Construction Practice & Management	4	3	1	10401111
<b>Total</b>		<b>12</b>			

##### 4.1.2. Compulsory Specialist Units (8-16 Credit Hours):

Students should choose to study one of the following lists depending on the specialization pathway:

##### 1) Construction Management & Architectural Technology Specialist Units - 8 Credit Hours:

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10400251	Legal & Statutory Responsibilities in Construction	4	3	1	10400151
10401113	Building Information Modeling (BIM)	4	3	1	10401111
<b>Total</b>		<b>8</b>			

##### 2) Building Engineering Systems - (HVAC) Specialist Units - 16 Credit Hours:

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10402101	Mathematics for Construction	4	3	1	10303101
10409241	Principles of Ventilation & Air-Conditioning Design & Installation	4	3	1	10303100
10409243	Principles of Heating Services Design & Installation	4	3	1	10303100
10409244	Scientific Principles for Building Services	4	3	1	
<b>Total</b>		<b>16</b>			

3) *Building Engineering Systems - (Electrical) Specialist Units - 16 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10409242	Principles of Electrical Design and Installation	4	3	1	10303100
10409261	Principles of Alternative Energy	4	3	1	10303100
10402101	Mathematics for Construction	4	3	1	10303101
10409244	Scientific Principles for Building Services	4	3	1	
<b>Total</b>		<b>16</b>			

**4.2. HNC Elective Requirements (4-12 Credit Hours)\*:**

\* Students should choose to study 4-12 Credit Hours from the following list depending on the specialization pathway:

- 1) *Construction Management and Architectural Technology - 12 Credit Hours:*
- 2) *Building Engineering Systems (HVAC & Electrical) - 4 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10402171	Science & Materials	4	3	1	10303100
10401113	Building Information Modeling (BIM)	4	3	1	10401111
10402111	Surveying, Measuring & Setting Out	4	3	1	10401112
10400252	Tender & Procurement	4	3	1	10400151
10401221	Principles of Refurbishment	4	3	1	104011212
10409261	Principles of Alternative Energy	4	3	1	10303100
10409262	Principles of Public Health Engineering	4	3	1	-
10400253	Site Supervision & Operations	4	3	1	104001512
<b>Total Taken</b>		<b>4-12*</b>			

\* Depending on the specialization pathway

**5. Higher National Diploma (HND) Requirements (30 Credit Hours):**

**5.1. HND Compulsory Requirement (18 Credit Hours):**

**5.1.1 Compulsory Core Units (6 Credit Hours):**

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10401331	Group Project – Pearson Set	6	2	4	10401232
<b>Total</b>		<b>6</b>			

**5.1.2 Compulsory Specialist Units (12 Credit Hours)\***

*1) Construction Management Specialist Units - 12 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10400351	Contracts & Management	4	3	1	10400251
10400352	Project Management	4	3	1	10400251
10400353	Management for Complex Building Projects	4	3	1	10400251
<b>Total</b>		<b>12</b>			

*2) Architectural Technology Specialist Units - 12 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10400351	Contracts & Management	4	3	1	10400251
10401311	Advanced Construction Drawing & Detailing	4	3	1	10401112
10401321	Construction Technology for Complex Building Projects	4	3	1	10401121
<b>Total</b>		<b>12</b>			

*3) Building Engineering Systems - (HVAC) Specialist Units - 12 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10402201	Further Mathematics for Construction	4	3	1	10402101
10409341	Advanced Heating, Ventilation & Air-Conditioning Design & Installation	4	3	1	120409241 & 10409243
10409245	Thermofluids & Acoustics	4	3	1	
<b>Total</b>		<b>12</b>			

4) *Building Engineering Systems - (Electrical) Specialist Units - 12 Credit Hours:*

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10402201	Further Mathematics for Construction	4	3	1	10402101
10409342	Advanced Electrical Design & Installation	4	3	1	10409242
10409343	Building Management System	4	3	1	10401112
<b>Total</b>		<b>12</b>			

**5.2. HND Elective Requirements (12 Credit Hours):**

Students should choose to study 12 Credit Hours from the following list:

Course No.	Course Title	Cr. Hr.	Lecture	Practical	Prerequisite
10401322	Alternative Methods for Construction	4	3	1	10401121
10401312	Advanced Building Information Modeling	4	3	1	10401212
10409362	Environmental Assessment and Monitoring	4	3	1	10303100
10400354	Personal Professional Development	4	3	1	10400251
10409344	Transport Systems in Buildings	4	3	1	10401112
10409361	Alternative Energy Systems Design and Installation	4	3	1	10409261
10402211	Advanced Surveying and Measurements	4	3	1	10402111
10402302	Advanced Materials	4	3	1	10303100
10400354	Construction Data Management	4	3	1	10400151
<b>Total Taken</b>		<b>12</b>			

**6. Placement in Industry Requirements (18 Credit hours)**

Course No.	Course Title	Cr. Hr.	Lecture	Lab.	Prerequisite
10400999	On-Job Training	18			3 <sup>rd</sup> Year
<b>Total</b>		<b>18</b>			



**School of Construction Technology and Built Environment**

**Department of Architectural Engineering**

**Bachelor Degree in Architectural Engineering**

**English Language Prerequisites:**

Depending on the results of the English language Placement Test

Course No.	Course Title	Cr. hr.	Prerequisite
10301099	Pre-Foundation English Intensive + Lab	4	Placement Test 0-29

**Study Plan Guide:**

<i>First Year - Fall Semester</i>			
Course No.	Course Title	Cr. hr.	Prerequisite
10301100	Foundation English Pre-Intermediate Intensive +Lab	4	Placement Test 30-42
OR 10301110	Foundation English Intermediate Intensive + Lab		Placement Test 43-58
10303100	Functional Physics	3	-
10303101	Functional Math	3	-
10303130	STEM Lab I	1	-
10301101	Soft Skills I	2	-
10101100	Workshop I	2	-
10401131	Creative Thinking Studio	2	-
10401111	Introduction to Construction Information	2	-
	Elective University Requirement 1	1	-
	<b>Total</b>	<b>20</b>	
<i>First Year - Spring Semester</i>			
Course No.	Course Title	Cr. hr.	Prerequisite
10301120	English Intermediate + Lab	3	Placement Test 43-50 or
Or 10301130	English Upper-Intermediate + Lab		Placement Test 59-66 or 10301110 /10301120
10401121	Construction Technology	4	10401111
10401132	Individual Project I – Pearson Set	4	10401111
10400151	Construction Practice & Management	4	10401111
10301102	Soft Skills II	2	10301101
10303131	STEM Lab II	1	10303130
10101102	Workshop II	1	10101100
	Elective University Requirement 2	1	-
	<b>Total</b>	<b>20</b>	
<i>First Year - Summer Semester</i>			
Course No.	Course Title	Cr. hr.	Prerequisite
10400112	Construction Information (Working Designs)	4	10401111
	HNC Elective 1	4	
10201100	Fundamentals of Computing	4	-
10400120	Construction Workshop	1	10101112
	<b>Total</b>	<b>13</b>	

**Construction Management:**

<i>Second Year - Fall Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10301130	English Upper-Intermediate + Lab	3	Placement Test 59-66 or 10301110 /10301120
10401231	Individual Project II	4	10401131
10401103	Building Information Modelling	4	
10400251	Legal & Statutory Responsibilities in Construction	4	10400151
10401211	Computer Visualizations	2	10400112
	HNC Elective 2	4	
	<b>Total</b>	<b>21</b>	
<i>Second Year - Spring Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401232	Individual Project III	4	10401131
10400351	Contracts & Management	4	10400151
10400352	Project Management	4	10400151
10400353	Management for Complex Building Projects	4	10400151
	HNC Elective 3	4	
	<b>Total</b>	<b>20</b>	
<i>Second Year – Summer Semester2</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. Hr.</b>	<b>Prerequisite</b>
10303202	Entrepreneurship Boot Camp	6	-
	HND Elective 1	4	
	HND Elective 2	4	
10401270	Architectural Excursion*	0	-
	<b>Total</b>	<b>14</b>	

\* the course is a supervised specialized excursion for 7-10-days.

**Architectural Technology:**

<i>Second Year – Fall Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. Hr.</b>	<b>Prerequisite</b>
10301130	English Upper-Intermediate + Lab	3	2Placement Test 59-66 or 10301110 /10301120
10401231	Individual Project II	4	10401131
10401103	Building Information Modelling	4	
10400251	Legal & Statutory Responsibilities in Construction	4	10400151
10401211	Computer Visualizations	2	10400112
	HNC Elective 2	4	
	<b>Total</b>	<b>21</b>	

<i>Second Year – Spring Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. Hr.</b>	<b>Prerequisite</b>
10401232	Individual Project III	4	10401131
10400351	Contracts & Management	4	10400151
10401311	Advanced Construction Drawing & Detailing	4	10401112
10401321	Construction Technology for Complex Building Projects	4	10401121
	HNC Elective 3	4	
	<b>Total</b>	<b>20</b>	

<i>Second Year – Summer Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. Hr.</b>	<b>Prerequisite</b>
10303202	Entrepreneurship Boot Camp	6	-
	HND Elective 1	4	
	HND Elective 2	4	
10401270	Architectural Excursion*	0	-
	<b>Total</b>	<b>14</b>	

\* the course is a supervised specialized excursion for 7-10-days.

**Building Engineering Systems (HVAC):**

<b>Second Year - Fall Semester</b>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10301130	English Upper-Intermediate + Lab	3	Placement Test 59-66 or 10301110 /10301120
10401231	Individual Project II	4	10401131
10409241	Principles of Ventilation & Air-conditioning Design & Installation	4	10303100
10409243	Principles of Heating Services Design & Installation	4	10303100
10402101	Mathematics for Construction	4	10303101
10401211	Computer Visualizations	2	10400112
	<b>Total</b>	<b>21</b>	

<b>Second Year - Spring Semester</b>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401232	Individual Project III	4	10401131
10409244	Scientific Principles for Building Services	4	
10409341	Advanced Heating, Ventilation & Air- Conditioning Design & Installation	4	10409241 & 10409243
10402201	Further Mathematics for Construction	4	10303101
10409245	Thermofluids & Acoustics	4	
	<b>Total</b>	<b>20</b>	

<b>Second Year - Summer Semester2</b>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10303202	Entrepreneurship Boot Camp	6	-
	HND Elective 1	4	
	HND Elective 2	4	
10401270	Architectural Excursion*	0	-
	<b>Total</b>	<b>14</b>	

\* the course is a supervised specialized excursion for 7-10-days.

**Building Engineering Systems (Electrical):**

<i>Second Year - Fall Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10301130	English Upper-Intermediate + Lab	3	Placement Test 59-66 or 10301110 /10301120
10401231	Individual Project II	4	10401131
10409241	Principles of Ventilation & Air-conditioning Design & Installation	4	10303100
10409243	Principles of Heating Services Design & Installation	4	10303100
10402101	Mathematics for Construction	4	10303101
10401211	Computer Visualizations	2	10400112
	<b>Total</b>	<b>21</b>	
<i>Second Year - Spring Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401232	Individual Project III	4	10401131
10409244	Scientific Principles for Building Services	4	
10409342	Advanced Electrical Design and Installation	4	10409242
10402201	Further Mathematics for Construction	4	10303101
1040343	Building Management System	4	10401112
	<b>Total</b>	<b>20</b>	
<i>Second Year - Summer Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10303202	Entrepreneurship Boot Camp	6	-
	HND Elective 1	4	
	HND Elective 2	4	
10401270	Architectural Excursion*	0	-
	<b>Total</b>	<b>14</b>	

\* the course is a supervised specialized excursion for 7-10-days.

<i>Third Year - Fall and Spring Semesters</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10400999	On-Job Training	18	3rd Year
	<b>Total</b>	<b>18</b>	
<i>Third Year - Summer Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401331	Group Project – Pearson Set	6	10401232
	HND Elective 3	4	
	<b>Total</b>	<b>10</b>	

**Construction Management:**

<b><i>Fourth Year - Fall Semester</i></b>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401438	Graduation Project I	1	10401331
10401481	Design in the Urban Context	3	10401331
10401371	Understanding Architecture: History & Theories	2	-
10401432	Major Project: Housing Planning and Design	4	10401331
10402448	Structures for Architects I	2	10303100
10400451	Standard Form of Contracts for Construction (FIDIC)	3	10401331
10400452	Real Estate Development	2	10401331
10303201	Leadership Camp*	1	4 <sup>th</sup> year
<b>Total</b>		<b>18</b>	

<b><i>Fourth Year - Spring Semester</i></b>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401439	Graduation Project II	4	10401338
10401482	Landscape Urbanism	2	10401331
10401372	Modern & Contemporary Architecture	2	-
10401373	Architecture in the Arab / Islamic Context	2	-
10402449	Structures for Architects II	2	10402448
	Elective University Requirement 3	1	-
10303140	English Advanced	3	Placement Test 67-75 or 10301130
<b>Total</b>		<b>16</b>	

\* the course includes a 10-day intensive training boot camp held off-campus.

**Architectural Technology:**

<i>Fourth Year - Fall Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401438	Graduation Project I	1	10401331
10401481	Design in the Urban Context	3	10401331
10401371	Understanding Architecture: History & Theories	2	-
10401431	Major Project: Complex Buildings	4	10401331
10402448	Structures for Architects I	2	10303100
10401421	Advanced Construction Systems	3	10401121
10409441	Building Services Design	2	10401331
10303201	Leadership Camp*	1	4 <sup>th</sup> year
	<b>Total</b>	<b>18</b>	

<i>Fourth Year - Spring Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401439	Graduation Project II	4	10401338
10401482	Landscape Urbanism	2	10401331
10401372	Modern & Contemporary Architecture	2	-
10401373	Architecture in the Arab / Islamic Context	2	-
10402449	Structures for Architects II	2	10402448
	Elective University Requirement 3	1	-
10303140	English Advanced	3	Placement Test 67-75 or 10301130
	<b>Total</b>	<b>16</b>	

\* the course includes a 10-day intensive training boot camp held off-campus.



**Green Architecture:**

<i>Fourth Year - Fall Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401438	Graduation Project I	1	10401331
10401481	Design in the Urban Context	3	10401331
10401371	Understanding Architecture: History & Theories	2	-
10401433	Major Project: Green Buildings Integrated Design	4	10401331
10402448	Structures for Architects I	2	10303100
10401461	LEED Buildings & Green Design Concepts	3	10401331
10401462	Building Performance Modeling	2	10401331
10303201	Leadership Camp*	1	4 <sup>th</sup> year
	<b>Total</b>	<b>18</b>	
<i>Fourth Year - Spring Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401439	Graduation Project II	4	10401338
10401482	Landscape Urbanism	2	10401331
10401372	Modern & Contemporary Architecture	2	-
10401373	Architecture in the Arab / Islamic Context	2	-
10402449	Structures for Architects II	2	10402448
	Elective University Requirement 3	1	-
10303140	English Advanced	3	Placement Test 67-75 or 10301130
	<b>Total</b>	<b>16</b>	

\* the course includes a 10-day intensive training boot camp held off-campus.

**Architectural Conservation:**

<i>Fourth Year - Fall Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401438	Graduation Project I	1	10401331
10401481	Design in the Urban Context	3	10401331
10401371	Understanding Architecture: History & Theories	2	-
10401434	Major Project: Adaptive Re-Use	4	10401331
10402448	Structures for Architects I	2	10303100
10401471	Conservation Theory and Practice	3	10401331
10401472	Building Pathology and Diagnosis	2	10401331
10303201	Leadership Camp*	1	4 <sup>th</sup> year
	<b>Total</b>	<b>18</b>	
<i>Fourth Year - Spring Semester</i>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401439	Graduation Project II	4	10401338
10401482	Landscape Urbanism	2	10401331
10401372	Modern & Contemporary Architecture	2	-
10401373	Architecture in the Arab / Islamic Context	2	-
10402449	Structures for Architects II	2	10402448
	Elective University Requirement 3	1	-
10303140	English Advanced	3	Placement Test 67-75 or 10301130
	<b>Total</b>	<b>16</b>	

\* the course includes a 10-day intensive training boot camp held off-campus.

**Parametric Architecture:**

<b><i>Fourth Year - Fall Semester</i></b>			
10401438	Graduation Project I	1	10401338
10401481	Designs in the Urban Context	3	10401331
10401371	Understanding Architecture: History & Theories	2	-
10401435	Major Project: Parametric Architecture	4	10401331
10402449	Structures for Architects I	2	10402448
10401411	Modelling Software Packages	3	10401331
10401412	Parametric Fabrications	2	10401331
10303201	Leadership Camp*	1	4 <sup>th</sup> year
	<b>Total</b>	<b>18</b>	
<b><i>Fourth Year - Spring Semester</i></b>			
<b>Course No.</b>	<b>Course Title</b>	<b>Cr. hr.</b>	<b>Prerequisite</b>
10401439	Graduation Project II	4	10401338
10401482	Landscape Urbanism	2	10401331
10401372	Modern & Contemporary Architecture	2	-
10401373	Architecture in the Arab / Islamic Context	2	-
10402449	Structures for Architects II	2	10402448
	Elective University Requirement 3	1	-
10303140	English Advanced	3	Placement Test 67-75 or 10301130
	<b>Total</b>	<b>16</b>	

\* the course includes a 10-day intensive training boot camp held off-campus.