

### First Semester

Ser. No.	Course Code	Title	Lecture Hrs.	Units	Corequisite(s)
1	GES101	Math I	4	12	-
2	GES111	English I	3	9	-
3	GES121	Arabic Language	2	6	-
4	GES131	Probability and Engineering Statistics	3	9	-
5	GES141	Engineering Drawing	3	6	-
6	GES151	Engineering Physics	4	12	-
7	GES161	Engineering Physics Lab	3	3	GES151
<b>Total</b>			<b>22</b>	<b>57</b>	<b>-</b>

### Second Semester

Ser. No.	Course Code	Title	Lecture Hrs.	Units	Prerequisite(s)
1	GES102	Math II	4	12	GES101
2	GES112	English II	3	9	GES111
3	GES122	General Chemistry	3	9	-
4	GES132	Computer Languages (C++)	3	9	-
5	GES142	AutoCad	3	6	GES141
6	GES152	Engineering Statics	4	12	GES101, GES151
7	GES162	Communication Skills	2	6	-
<b>Total</b>			<b>22</b>	<b>63</b>	<b>-</b>

### Third Semester

S.No.	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite(s)
1	ASE211	Bases of Design (I)	8	16	GEC 141	-
2	ASE 221	History of Architecture & Fine arts (I)	2	4	-	-
3	ASE 231	Descriptive Geometry	4	4	GEC 141	-
4	ASE 241	Freehand-Drawing & Visual Composition	4	4	-	-
5	ASE 251	Strength of Materials	4	12	GEC 152	-
6	ASE 261	Strength of Materials Lab.	3	3	-	ASE 251
7	GES201	Differential Equations	4	12	GES102	-
<b>Total</b>			<b>23</b>	<b>62</b>	<b>-</b>	<b>-</b>

### Fourth Semester

S.No.	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite(s)
1	ASE212	Architectural Design (II)	8	16	ASE211	-
2	ASE 222	History of Architecture & Fine arts (II)	2	4	ASE 221	-
3	ASE 232	Surveying	4	4	GES102	-
4	ASE 242	Freehand-Drawing & Visual Composition (II)	4	4	ASE 241	-
5	ASE 252	Workshop & Photo. Laboratory	4	12	ASE211	-
6	ASE 262	Engineering Geology	3	3		GEC 202
7	GEC 202	Linear Algebra	4	12	GES102	-
<b>Total</b>			<b>23</b>	<b>62</b>	<b>-</b>	<b>-</b>

Fifth Semester						
S.No.	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite(s)
1	ASE 311	Architectural Design (III)	8	16	ASE 212	-
2	ASE 321	Contemporary & Domestic Architecture	2	4	ASE222	-
3	ASE 331	Architectural Expression	4	4	ASE231+ASE211	-
4	ASE 341	Lighting & Acoustics	3	9	GEC151+GEC161 ASE 222	-
5	ASE 351	Sanitary	2	4	ASE 222	-
6	ASE 361	Structural Analysis (I)	4	12	ASE 251	-
7	ASE 371	Civil Eng. Materials	3	9	ASE 262	-
8	ASE 381	Civil Eng. Materials Lab.	3	3	-	ASE 371
Total			29	61	-	-

Sixth Semester						
S.No.	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite(s)
1	ASE 312	Architectural Design ( IV )	8	16	ASE 311	-
2	ASE 322	Theories of Architecture	2	4	ASE 222	-
3	ASE 342	Housing	2	4	ASE 321	-
4	ASE 352	Environmental Control	2	4	ASE 341+ ASE 351	-
5	ASE 362	Structural Analysis (II)	4	12	ASE 361	-
6	ASE 372	Soil Mechanics	4	12	ASE 371	-
7	ASE 382	Soil Mechanics Lab.	3	3	-	ASE 372
8	GEC 332	Research Methodology	2	6	GEC 131	
Total			23	62	-	-

<b>Seventh Semester</b>						
<b>S.No.</b>	<b>Course No.</b>	<b>Course Title</b>	<b>Lecture Hrs.</b>	<b>Units</b>	<b>Prerequisite(s)</b>	<b>Corequisite(s)</b>
1	ASE411	Architectural Design ( V )	8	16	ASE312	-
2	ASE421	Principles of Urban design	2	4	ASE322	-
3	ASE431	Landscape Architecture	4	8	ASE352	ASE *421
4	ASE 441	Mechanical & Air- conditioning	2	4	ASE352	-
5	ASE451	Interior Design	4	4	ASE231 +ASE312	-
6	ASE461	Design of Steel Structures	4	12	ASE362	-
7	ASE471	Design of Concrete Structures	4	12	ASE362	-
8	ASE481	History & Theories of Urban Planning	3	6	ASE 222	-
<b>Total</b>			<b>31</b>	<b>66</b>	-	-

<b>Eight Semester</b>						
<b>S.No.</b>	<b>Course No.</b>	<b>Course Title</b>	<b>Lecture Hrs.</b>	<b>Units</b>	<b>Prerequisite(s)</b>	<b>Corequisite(s)</b>
1	ASE 412	Architectural Design ( VI )	8	16	ASE 411	-
2	ASE 432	Urban Design Studio ( I )	6	12	ASE 312	ASE421
3	ASE 442	Implementation drawings	5	10	ASE411 + ASE471	-
4	ASE 452	Foundation Engineering	4	12	ASE372+ ASE 471	-
5	ASE 462	Structural Design and Analysis Software	4	12	ASE471+ ASE 461	-
6	ASE 472	Quantities & Specifications	2	4	-	ASE441
<b>Total</b>			<b>29</b>	<b>66</b>	-	-

### Ninth Semester

S.No.	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite(s)
1	ASE 511	Architectural Design ( VII )	8	16	ASE 411	-
2	ASE 521	Urban Design Studio (II)	6	12	ASE 431	-
3	ASE 531	Architectural Expression Using Computer	2	4	ASE331+ GES142	-
4	ASE 541	Project/ Preliminary Studies	6	12	GEC332+ASE411	-
5	ASE 551	Construction Management & Economics	3	9	ASE441 + ASE471	-
6	GES401	Ethics	3	9	ASE 471+ ASE521	-
7		Critical thinking				
<b>Total</b>			<b>28</b>	<b>62</b>	<b>16</b>	

### Tenth Semester

S.No.	Course No.	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite(s)
1	ASE542	Graduation Project	6	50	ASE511 + ASE521	
<b>Total</b>			<b>6</b>	<b>50</b>	<b>-</b>	<b>-</b>

<b>Elective I (IMExxx)</b>						
<b>S.No.</b>	<b>Course No.</b>	<b>Course Title</b>	<b>Lecture Hrs.</b>	<b>Units</b>	<b>Prerequisite(s)</b>	<b>Corequisite(s)</b>
1	IME451	Numerical Control of Machine Tools	3	9	GES132, IME311	
2	IME461	Maintenance Systems and Engineering	3	9	IME321	
3	IME471	Ergonomics Design	3	9		IME421
4	IME481	Sustainable Manufacturing	3	9	IME311	
5	MTE424	Corrosion Control	3	9	MTE201	

<b>Elective II And III (IMEyyy) &amp; ( IMEzzz )</b>						
<b>S.No.</b>	<b>Course No.</b>	<b>Course Title</b>	<b>Lecture Hrs.</b>	<b>Units</b>	<b>Prerequisite(s)</b>	<b>Corequisite(s)</b>
1	IME432	Management Information Systems	3	9	GES132, IME362	-
2	IME442	Industrial Safety Engineering	3	9	-	IME421
3	IME452	Optimization methods and Artificial Intelligence	3	9	IME352, IME441.	-
4	IME462	Advanced Manufacturing Technologies	3	9	IME311	-
5	IME472	Supply chain and Logistics	3	9	IME312	-
6	IME482	Lean Manufacturing	3	9	IME312	