

Architectural and Structural Program Courses

Year 1 – Foundation

First Semester				Current		Co-requisite (s)	Corequisite (s)
S. No.	Course Code	New Course Code	Course Title	Lecture Hrs.	Units		
1	GES101	2GE101	Engineering Mathematics I	4	12	-	
2	GES111	2GU115	English I	3	9	-	
3	GES121	2GU110	Arabic Language	2	6	-	
4	GES131	2GU121	Probability and Statistics	3	9	-	
5	GES141	2GE141	Engineering Drawing	3	6	-	
6	GES151	2GE151	Engineering Physics	4	12	-	
7	GES161	2GE161	Engineering Physics Lab	3	3	GES151	
Total				22	57		

Second Semester				Current		Prerequisite (s)	Corequisite (s)
S. No.	Course Code	New Course Code	Course Title	Lecture Hrs.	Units		
1	GES102	2GE102	Engineering Mathematics II	4	12	GES101	
2	GES112	2GU116	English II	3	9	GES111	
3	GES122	2GE122	General Chemistry	3	9	-	
4	GES132	2GE132	Computer Languages	3	9	-	
5	GES142	2GE142	AutoCAD	3	6	GES141	
6	GES152	2GE152	Engineering Statics	4	12	GES101, GES151	
7	GES162	2GU118	Communication Skills	2	6	-	
Total				22	63		

Year 2 – Core Architecture & Structures I

Third Semester				Current		Prerequisite(s)	Corequisite (s)
S.No.	Course Code.	New Course Code	Course Title	Lecture Hrs.	Units		
1	ASE211	2AS211	Bases of Architectural Design (I)	8	16	GES141	-
2	ASE221	2AS221	History of Architecture & Fine arts (I)	2	4	-	-
3	ASE231	2AS231	Descriptive Geometry	4	4	GES141	-
4	ASE241	2AS241	Freehand-Drawing & Visual Composition (I)	4	4	-	-
5	ASE251	2AS251	Strength of Materials	4	12	GES152	-
6	ASE261	2AS261	Strength of Materials Lab.	3	3	-	ASE251
7	GES201	2GE211	Differential Equations	4	12	GES102	-
Total				29	55		

Fourth Semester				Current		Prerequisite(s)	Corequisite (s)
S.No.	Course Code.	New Course Code	Course Title	Lecture Hrs.	Units		
1	ASE212	2AS212	Architectural Design (II)	8	16	ASE211	-

2	ASE222	2AS222	History of Architecture & Fine arts (II)	2	4	ASE221	-
3	ASE232	2AS232	Surveying	4	8	GES102	-
4	ASE242	2AS242	Freehand Drawing & Visual Composition (II)	4	4	ASE241	-
5	ASE252	2AS252	Workshop& Photo. Laboratory	3	4	ASE211	-
6	ASE262	2AS262	Engineering Geology	3	6	-	-
7	GES202	2GE221	Linear Algebra	4	12	GES102	-
Total				28	54		

Year 3 – Core Architecture & Structures II

Fifth Semester				Current			
S.No.	Course Code.	New Course Code	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite (s)
1	ASE311	2AS311	Architectural Design (III)	8	16	ASE212	-
2	ASE321	2AS321	Contemporary & Domestic Architecture	2	4	ASE222	-
3	ASE331	2AS331	Architectural Expression	4	4	ASE231, ASE211	-
4	ASE341	2AS341	Lighting & Acoustics	3	9	GES151	-
5	ASE351	2AS351	Sanitary	2	4	GES131, ASE212	-
6	ASE361	2AS361	Structural Analysis (I)	4	12	ASE251	-
7	ASE371	2AS371	Civil Engineering Materials	3	9	ASE262	-
8	ASE381	2AS381	Civil Engineering Materials Lab.	3	3	-	ASE371
Total				29	61		

Sixth Semester				Current			
S.No.	Course Code.	New Course Code	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite (s)
1	ASE312	2AS312	Architectural Design (IV)	8	16	ASE311	-
2	ASE322	2AS322	Theories of Architecture	2	4	ASE222	-
3	ASE342	2AS342	Housing	2	4	ASE321	-
4	ASE352	2AS352	Environmental Control	2	4	ASE341, ASE351	-
5	ASE362	2AS362	Structural Analysis (II)	4	12	ASE361	-
6	ASE372	2AS372	Soil Mechanics	4	12	ASE262, ASE251	-
7	ASE382	2AS382	Soil Mechanics Lab.	3	3	-	ASE372
8	GES332	2GU415	Research methods	2	6	GES131	
Total				27	61		

Year 4 – Specialisation & Urban Design

Seventh Semester				Current			
S.No.	Course Code.	New Course Code	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite (s)
1	ASE411	2AS411	Architectural Design (V)	8	16	ASE312	-
2	ASE421	2AS421	Principles of Urban design	2	4	ASE322	-

3	ASE431	2AS431	Landscape Architecture	4	8	ASE352	ASE421
4	ASE441	2AS441	Mechanical & Air- conditioning	2	4	ASE352	-
5	ASE451	2AS451	Interior Design	4	4	ASE231, ASE312	-
6	ASE461	2AS461	Design of Steel Structures	4	12	ASE362	
7	ASE471	2AS471	Design of Concrete Structures	4	12	ASE362	-
8	ASE481	2AS481	History & Theories of Urban Planning	3	6	ASE222	-
Total				31	66		

Eighth Semester				Current			
S.No.	Course Code.	New Course Code	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite (s)
1	ASE412	2AS412	Architectural Design (VI)	8	16	ASE411	-
2	ASE432	2AS432	Urban Design Studio (I)	6	12	ASE312	ASE421
3	ASE442	2AS442	Implementation drawings	5	10	ASE411 , ASE471	-
4	ASE452	2AS452	Foundation Engineering	4	12	ASE372, ASE471	
5	ASE462	2AS462	Structural Design and Analysis Software	4	12	ASE471, ASE461	-
6	ASE472	2AS472	Quantities & Specifications	2	4	ASE471, ASE461	-
Total				29	66		

Year 5 – Advanced Electives & Graduation Thesis

Ninth Semester				Current			
S.No.	Course Code.	New Course Code	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite (s)
1	(Elective)	(Elective)	Choose 1 from Table A below	3	9		-
2	(Elective)	(Elective)	Choose 1 from Table A below	3	9		-
3	ASE531	2AS531	Architectural Expression Using Computer	2	4	ASE331, GES142	-
4	*ASE541	2AS541	*Project/ Preliminary Studies	6	12	*	-
5	ASE551	2AS551	Construction Management & Economics	3	9	ASE472	-
6		2GU300	AI	2	4		
7	GES302	2GU400	Critical thinking	2	4	GES162	
Total				21	51		

Tenth Semester				Current			
S.No.	Course Code.	New Course Code	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite (s)
1	ASE542*	2AS542*	Graduation Project	6	50	ASE541	-
2	GES401**	2GE432**	Ethics	2	4	**	
Total				8	54		

Table (A) : Elective courses	Current	
------------------------------	---------	--

S.No.	Course Code.	New Course Code	Course Title	Lecture Hrs.	Units	Prerequisite(s)	Corequisite (s)
1	ASE511	2AS511	Engineering Economy	3	9		-
2	ASE521	2AS521	Urban Design Studio (II)	3	9	ASE432	-
3	ASE561	2AS561	Independent study	3	9		
4	ASE571	2AS571	Restoration and rehabilitation	3	9		

* The (Project) can only be undertaken after the student has successfully finished all necessary core courses related to the Project, and has either completed, or is currently enrolled in, all project-related elective courses.

**Prerequisites completion of 430 units
