This table aims to give detailed information related to the subjects the students need to take every semester

Semester 1

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*Islamic Education*	2	Compulsory	-
2	*English for Civil Engineering*	2	Compulsory	-
3	*Statistics and Probability*	2	Compulsory	-
4	*Basic Physics*	2	Compulsory	-
5	*Disaster Science*	2	Compulsory	-
6	*Mathematics I*	3	Compulsory	-
7	*Materials Science (+Pr)*	3	Compulsory	-
8	*Statics I*	2	Compulsory	-
9	*Environmental Science*	2	Compulsory	-

Semester 2

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*Islami Ulil Albab*	3	Compulsory	
2	*Fluid Mechanics (+Pr)*	3	Compulsory	
3	*Mathematics II*	2	Compulsory	*Mathematics I*
4	*Statics II*	2	Compulsory	*Statics I*
5	*Computer Programming Logic (+Pr)*	2	Compulsory	*Mathematics I English for Civil Engineering*
6	*Engineering Drawing and 3D Modelling*	3	Compulsory	
7	*Soil Mechanics I (+Lab)*	3	Compulsory	
8	Hydrology	2	Compulsory	*Statistics and Probability*

Semester 3

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*Mathematics III*	3	Compulsory	*Mathematics II*
2	*Mechanics of Materials*	3	Compulsory	*Statics I, Statics II*
3	*Hydraulics*	2	Compulsory	*Fluid Mechanics (+Pr)*
4	*Statically Indeterminate Structure Analysis*	3	Compulsory	*Statics I, Statics II*
5	*Soil Mechanics II (+Lab)*	3	Compulsory	*Soil Mechanics I (+Lab)*
6	*Highway Geometry*	3	Compulsory	*Engineering Drawing and 3D Modelling*
7	*Pavement Materials (+Lab)*	**3**	Compulsory	*Soil Mechanics I (+Lab)*

Semester 4

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*State Ideology*	2	Compulsary	-
2	*Indonesian Language for Writing*	2	Compulsary	-
3	*Traffic Engineering (+Lab)*	3	Compulsary	*Statistics and Probability*
4	*Beam and Slab Concrete Design*	2	Compulsary	*Mechanics of Materials*
5	*Project Management*	4	Compulsary	-
6	*Foundations I*	2	Compulsary	-
7	*Pavement Structure*	2	Compulsary	*Pavement Materials (+Lab)*
8	*Irrigation Engineering*	3	Compulsary	*Fluid Mechanics (+Pr)*

				Engineering Drawing and 3D Modelling

Semester 5

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*Islam Rahmatan Lil alamin*	3	Compulsory	-
2	*Citizenship Education*	2	Compulsory	-
3	*Numeric Methods*	2	Compulsory	*Computer Programming Logic (+Pr)*
4	*Concrete Frame Earthquake Resistant Design*	3	Compulsory	*Beam and Slab Concrete Design*
5	*Water Structures Design (Mini Project #1)*	3	Compulsory	*Irrigation Engineering, Hydraulics, Hydrology*
6	*Highway Design (Mini Project #2)*			*Highway Geometry, Pavement Structure*
7	*Foundations II*	2	Compulsory	*Soil Mechanics I (+Lab)*
8	*Matrix Method of Structural Analysis*	3	Compulsory	*Statically Indeterminate Structure Analysis*
9	*Drainage Engineering*	2	Compulsory	*Hydraulics, Hydrology*

Semester 6 (Regular Program-Practical Works)

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*Syariah Entrepreneurship*	2	Compulsory	-
2	*Practical Works (Reguler)*	3	Compulsory	Cumulative Credit: min 95

3	*Final Project Proposal*	1	Compulsory	Cumulative Credit: min 100
	Elective Course	12	Elective	-
	Earthquake Engineering	2	Compulsory	-

Semester 6 (Internship-Program)

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*Syariah Entrepreneurship*	2	Compulsory	-
2	*Practical Works (Internship)*	13	Compulsory	Cumulative Credit: min 95
3	*Final Project Proposal*	1	Compulsory	Cumulative Credit: min 100
	Elective Course	2	Elective	-
	Earthquake Engineering	2	Compulsory	-

Semester 6 (Emancipated Learning-Program)

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*Syariah Entrepreneurship*	2	Compulsory	-
2	*Practical Works (Reguler)*	3	Compulsory	Cumulative Credit: min 95
3	*Final Project Proposal*	1	Compulsory	Cumulative Credit: min 100
4	*Elective Course*	2	Elective	-
5	*Earthquake Engineering*	2	Compulsory	-
6	*Research Project/ Independent Study/ Independent Entrepreneurship/ Humanitarian Project/ Community Development/ Independent Teaching*	10	-	-

Semester 7

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*Society Services*	2	Compulsory	Cumulative Credit: min 100
2	*Investment Analysis and Project Risks*	2	Compulsory	-
3	*Steel Structures*	3	Compulsory	*Mechanics of Materials*
4	*Construction Equipment Management*	2	Compulsory	-
5	*Building Construction Methods*	3	Compulsory	*Project Management*
6	*Building Structures Design (Mini Project #2)*	4	Compulsory	*Concrete Frame Earthquake Resistant Design, Earthquake Engineering*
7	*Pavement Construction Techniques*	2	Compulsory	*Pavement Materials (+Lab), Pavement Structure*
8	*Elective Course*	2	Compulsory	-

Semester 8

No	Subject	Credit	Status (Compulsory/Elective)	Prerequisite
1	*Final Project*	4	Compulsory	Cumulative Credit: min 120

Elective Course based on Expertise Group

Group-Construction Management-

No	Subject	Credit	Prerequisite
1	*Construction Law*	2	*Project Management*
2	*Safety and Construction Risk*	2	-

No	Subject	Credit	Prerequisite
3	*Quality and Engineering Value of Construction*	2	-
4	*BIM for Construction Management*	2	-

Group-Transportation

No	Subject	Credit	Prerequisite
1	*Public Transport*	2	*Traffic Engineering (+Lab)*
2	*Railway*	2	*Highway Geometry, Pavement Structure*
3	*Airport Engineering*	2	*Pavement Materials (+Lab), Pavement Structure*
4	*Traffic Management*	2	*Traffic Engineering (+Lab)*
5	*Transportation Planning*	2	*Traffic Engineering (+Lab)*

Group-Structure

No	Subject	Credit	Prerequisite
1	*Bridge Structural Design*	2	*Statically Indeterminate Structure Analysis, Beam and Slab Concrete Design*
2	*Prestressed Concrete Structures*	2	*Beam and Slab Concrete Design, Concrete Frame Earthquake Resistant Design,*
3	*Structural Dynamics Analysis*	2	*Mathematics III, Numeric Methods, Computer Programming Logic (+Pr)*
4	*Composite Structures*	2	-
5	*Finite Elements Method*	2	-
6	*Timber Structure*	2	*Mechanics of Materials*

Group-Water Resource

No	Subject	Credit	Prerequisite
1	*Seaport Design*	2	
2	*Advance Hydraulics*	2	*Hydraulics*

No	Subject	Credit	Prerequisite
3	*River Engineering*	2	
4	*Water Resource Management*	2	-
5	*Dam*	2	-

Group-Geotechnic

No	Subject	Credit	Prerequisite
1	*Soil Reinforcement*	2	*Soil Mechanics I (+Lab)*
2	*Soil Stabilization*	2	*Soil Mechanics I (+Lab)*

Group-General

No	Subject	Credit	Prerequisite
1	*Post Disaster Evaluation of Infrastructure*	2	-
2	*Special Theme*	2	-
3	*Geography Information System*	2	-