

Research Option [4]:
CIVL4900 or UROP1100 and
Advanced Elective x1

Civil Capstone Design Proj.
[3] CIVL4950

APD III [0]
CIVL 3010

APD II [0]
CIVL 2010

Engineering Seminar
Series [0]
ENGG 2010

Internship
Training [0]
CIVL3020

Industrial
Training [0]
CIVL2020

APD I [0]
CIVL1010

Academic
Orientation [0]
ENGG 1010

CIEV

Final Year Proj./Thesis (Envr)
[6] CIVL4910/4920

Environmental
Electives x3 [9]

Construction
Mgmt. [3]
CIVL3210

Or
Traffic & Transport
Engg. [3]
CIVL3610

Water &
Wastewater Engg.
[3] CIVL3420

CIVL

Final Year Proj./Thesis
[6] CIVL4910/4920

Civil Electives x3
[9]

Traffic & Transport
Engg. [3]
CIVL3610

Construction
Mgmt [3]
CIVL3210

Total Program Requirements
(including. Ucore, without
double-count): 120 credits

Pre-requisite —————>
Co-requisite - - - - ->

Major Requirement of:
CIVL **CIEV**
All Civil students

Fall Offering	Spring/ Summer Offering
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Spring Offering	Summer Offering
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Offering in both semester	Winter/Spring Offering
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Area Courses
(24 credits)

Civil Engg.
Fundamentals
(21 credits)

Engg.
Fundamentals
(21-25 credits)

Reinforced Concrete
Design [3]
CIVL3320

Construction
Materials [3]
CIVL2810

Envr. Assessment
& Mgmt. [3]
CIVL2410

Discover Civil &
Envr. Engg. [3]
CIVL1100

General
Chemistry [3]
CHEM1012

Structural Analysis
[3] CIVL3310

Mechanics of
Materials [3]
CIVL2120

Statics [3]
CIVL2110

General Phys. I [3]
PHYS1112/1312

Calculus I [3-4]
MATH1012/1013/1023

Fund. of
Geotechnics [3]
CIVL3730

Geotech. Analysis
& Design [3]
CIVL3740

Infra. Systems Engg.
& Mgmt. [3]
CIVL2170

App. Linear Algebra
& DE [3]
MATH2350

Calculus II [3]
MATH1014/1024

Or
Acc. Calculus [4]
MATH1020

HydroSystems
Engg. [3]
CIVL3510

Fluid Mechanics [3]
CIVL2510

Modeling Systems
w/ Uncertainties [3]
CIVL2160

Multivariable
Calculus [3]
MATH2011

Intro to Comp [3-5]
COMP1021/1022P/2011/
2012H