

ENGINEERING PROGRAMME BOARD

Curriculum 2017 V.1 Approved

Programme: MTEMP006 MASTER OF ENGINEERING
Major: NAS2 ME Structural Engineering with Architecture
School: S145 School of Civil Engineering
NAS2_S1 ME Structural Eng with Arch St 1

Core

Semester	Module Code	Module Title	Credits	Level
Sem_1	CVEN 40150	Structural Analysis, Design and Specification	5 Credits	level: 4 (Masters)
Sem_1	CVEN 40550	Structural Dynamics	5 Credits	level: 4 (Masters)
Sem_1	CVEN 40690	Civil Engineering Systems	5 Credits	level: 4 (Masters)
Sem_1	CVEN 40720	Geotechnical Engineering	5 Credits	level: 4 (Masters)
Sem_1	CVEN 40610	Fibre Reinforced Composites	5 Credits	level: 4 (Masters)
Sem_1	ARCT 40030	Realising Built Projects	5 Credits	level: 4 (Masters)

Options

RULE: **Select from the Following:**
Students register to 30 credits in each Semester.
IMPORTANT: *For Semester Two, all students should register to the 30-credit Option module CVEN40130 Work Placement. The Work Placement Module Co-ordinator will provide information on Work Placement availability and procedures during Semester One. Where a student does not secure an internship for Semester Two, they will be required to register to the following four Option modules: CVEN40500, CVEN40050, CVEN40520 and OSH41040 and select one 5-credit Elective Module.*

Semester	Module Code	Module Title	Credits	Level
Sem_2	CVEN 40130	Work Placement	30 Credits	level: 4 (Masters)
Sem_2	CVEN 40500	Engineering Design Project	10 Credits	level: 4 (Masters)
Sem_2	CVEN 40050	Structural Design (Building Construction)	5 Credits	level: 4 (Masters)
Sem_2	CVEN 40520	Peer Assisted Tutoring in CSEE	5 Credits	level: 4 (Masters)
Sem_2	OSH 40140	Environmental Assessment and Management	5 Credits	level: 4 (Masters)
Sem_2		Elective	5 Credits	

In-Programme Electives

Sem_2	CVEN 40210	Soil Mechanics and Geotechnical Engineering	5 Credits	level: 4 (Masters)
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CREDIT SUMMARY	
Module	Credits
Core	30
Option	25
Elective	5
Total	60

NAS2_S2 ME Structural Eng with Arch St 2

Core

Semester	Module Code	Module Title	Credits	Level
YEAR	CVEN 40540	Engineering Research Project	25 Credits	level: 4 (Masters)
Sem_1	CVEN 40300	Advanced Structural Analysis and Design	5 Credits	level: 4 (Masters)
Sem_1	CVEN 40320	Case Studies	5 Credits	level: 4 (Masters)
Sem_1	CVEN 40390	Innovation Leadership	5 Credits	level: 4 (Masters)
Sem_1	STAT 40690	Quantitative Methods for Engineers	5 Credits	level: 4 (Masters)

Semester	Module Code	Module Title	Credits	Level
Sem 2	CVEN 40330	Construction Management	5 Credits	level: 4 (Masters)
Sem_2	CVEN 40120	Bridge Engineering	5 Credits	level: 4 (Masters)
Sem_2	MEEN 40430	Professional Engineering (Management)	5 Credits	level: 4 (Masters)

CREDIT SUMMARY	
Module	Credits
Core	60
Option	0
Elective	0
Total	60