APPROVED

Awards
Ordinary Bachelor Degree

Mode of Delivery:	Full Time, ACCS	**No. of Semesters :**	6
NFQ Level:	7		
Programme Credits:	180		

Language of Instruction:	English
Department:	Built Environment

Semester Schedules

Stage 1 / Semester 1

Elective Regulation

- All modules are mandatory - The following modules require that students must participate in class work, practical work and project work and must achieve a minimum of 50% in these elements of continuous assessment in order to have satisfied the module learning outcomes: - Material Science - The following modules show that part of the module are shared: - Engineering Science I and Engineering Drawing + Information Technology I

Mandatory	
Module Code	**Module Title**
DRAW C1501	Engineering Drawing and Information Technology I
ENGR C1501	Engineering Science I
MATH C1501	Mathematics I
SCIE C1501	Material Science
TECH C1501	Civil Engineering Technology I

Stage 1 / Semester 2

Elective Regulation

- All modules are mandatory - The following modules require that students must participate in class work, practical work and project work and must achieve a minimum of 50% in these elements of continuous assessment in order to have satisfied the module learning outcomes: - Surveying and Setting Out I - The following modules show that part of the module are shared: - Engineering Science II and Engineering Drawing + Information Technology II

Mandatory	
Module Code	**Module Title**
MATH C1502	Mathematics II
SCIE C1502	Engineering Science II
SURV C1501	Surveying and Setting Out I
TECH C1502	Civil Engineering Technology II
DRAW	Engineering Drawing and Information Technology II

Stage 2 / Semester 1

Elective Regulation

- All modules are mandatory - The following modules require that students must participate in class work, practical work and project work and must achieve a minimum of 50% in these elements of continuous assessment in order to have satisfied the module learning outcomes: - Soil Mechanics, Water Engineering, Civil Engineering Drawing + Surveying

Mandatory	
Module Code	**Module Title**
MATH C1503	Mathematics and Statistics I
MECH	Soil Mechanics
STRU C2501	Structural Analysis I
ENGR H2517	Water Engineering
SURV C2501	Civil Engineering Drawing and Surveying

Stage 2 / Semester 2

Elective Regulation

- All modules are mandatory - The following modules require that students must participate in class work, practical work and project work and must achieve a minimum of 50% in these elements of continuous assessment in order to have satisfied the module learning outcomes: - Quantity Surveying & Estimating - Students may EXIT at this stage of the programme with a Higher Certificate in Engineering in Civil Engineering (Embedded Exit Award), provided they have achieved the required learning outcomes and have accumulated 120 credits. IT Carlow academic regulations apply.

Mandatory	
Module Code	**Module Title**
ENGR C1502	Engineering Mathematics I
SURV C1506	Quantity Surveying and Estimating
DSGN C2501	Structural Design I
TECH	Concrete Technology
DRAW C2501	Civil Engineering Drawing + BIM

Stage 3 / Semester 1

Elective Regulation
- All modules are mandatory

Mandatory	
Module Code	**Module Title**
MATH C2502	Mathematics and Statistics II
STRU	Structures I
ENGR C2501	Geotechnical Engineering I
SURV	Highway Engineering and Surveying
ECON C2501	Civil Engineering Economics and Management

Stage 3 / Semester 2

Elective Regulation

- All modules are mandatory - The following modules require that students must participate in class work, practical work and project work and must achieve a minimum of 50% in these elements of continuous assessment in order to have satisfied the module learning outcomes: - Earthworks Analysis - The Civil Engineering Project module is delivered on a year-long basis with the credits awarded at the end of Semester 6.

Mandatory	
Module Code	**Module Title**
MATH C2503	Engineering Mathematics II
ENGR C2502	Geotechnical Engineering II
ANAL C2501	Earthworks Analysis
STRU	Structures II
SYST	BIM for Civil Engineers
PROJ	Civil Engineering Project