

Addendum to the Programme Specification

3919 MEng Civil Engineering

This Addendum has been produced to highlight the key changes made to the existing Programme Specification as a result of the University's response to the Covid-19 Pandemic. You should read it in conjunction with the relevant Programme Specification from the year you started your programme.

[Programme Specification for entry in 2020-21](#)
[Programme Specification for entry in 2019-20](#)
[Programme Specification for entry in 2018-19](#)
[Programme Specification for entry in 2017-18](#)

University level information

In view of COVID-19, the University has had to make changes to some elements of programme delivery for 2020-21. These changes have included the method of delivery, such as face-to-face and online, and the number of modules available.

The University aims to provide as much of a face-to-face component to your education as prevailing conditions at the time allow, combined with its new blended approach that will develop active independent and group online learning.

As the COVID-19 pandemic develops, the University's response to this and other issues may likewise need to evolve. The University will consult with student representatives as necessary and appropriate and will communicate changes to you as soon as practicable so that you have the information you need to understand how a change may impact you and what steps you need to take next. The University remains committed to supporting you as you learn.

Programme Information

In the light of Covid-19, there may be changes to how some group tasks will be organised. Field trips and / or practical work will remain a key part of the programme, but will be offered / scheduled in line with current local and international guidelines regarding safe distancing, travel etc.

Programme Structure

Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available.

Programme:	MEng Civil Engineering - 3919
Term:	2020-2021 Academic Session (202021)
Area title:	3919-1 - MEng Civil Engineering Part 1

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
CENV 1026	Design & Computing for Civ Eng	30	Yes	Full Academic Year
CENV 1027	Civil Engineering Fundamentals	30	Yes	Full Academic Year
CENV 1200	Induction for Civil Eng	0	No	Semester 1
FEEG 1002	Mech, Structures & Materials	30	Yes	Full Academic Year
FEEG 1003	ThermoFluids	15	Yes	Full Academic Year
FEEG 1010	Laboratory Report	0	Yes	Full Academic Year
FEEG 1020	Technical Essay	0	Yes	Full Academic Year
FEEG 1030	Assessment in Design	0	Yes	Full Academic Year
FEEG 1040	Multiple Choice Exam Eng Fund	0	Yes	Full Academic Year
FEEG 1050	Long Answer Exam: Eng ProbSolv	0	Yes	Full Academic Year
FEEG 1200	Induction for Engineers	0	No	Semester 1
MATH 1054	Maths for Eng & Environment	15	Yes	Full Academic Year
MATH 1061	Engineering Maths Workshop	0	No	Full Academic Year

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

Programme:	MEng Civil Engineering - 3919
Term:	2020-2021 Academic Session (202021)
Area title:	3919-2 - MEng Civil Engineering Part 2

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
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CENV 2006	Soil Mechanics	15	Yes	Semester 1
CENV 2008	Hydraulics	15	Yes	Semester 2
CENV 2024	Structural Design & Materials	15	No	Semester 2
CENV 2026	Numerical Methods	15	No	Semester 2
CENV 2031	Structural Analysis	15	Yes	Semester 1
CENV 2034	Liveable Cities	15	No	Semester 1
CENV 2035	City Infrastructure Des Proj	15	No	Semester 2
MATH 2048	Maths for Eng & the Enviro II	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module	Credit	Semester/Term
No optional modules in this Part		

Programme:	MEng Civil Engineering - 3919
Term:	2020-2021 Academic Session (202021)
Area title:	3919-3 - MEng Civil Engineering Part 3

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
CENV 3015	Design 3	15	No	Semester 2
CENV 3020	Geotechnical Engineering	15	No	Semester 1
CENV 3056	Structural Engineering	15	No	Semester 1
CENV 3060	Highway & Traffic Engineering	15	No	Semester 1
FEEG 3003	Individual Project	30	Yes	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule PT3 R1	<p>Credit Requirement</p> <p>You must take 2 modules (30 credits) in total from the following lists.</p> <p>If you are uncertain that you have satisfied the pre-requisites for any of the optional modules please ensure that you refer to the module lead for academic advice.</p> <p>IMPORTANT NOTE: The list of language modules below is a standard list from the Centre for Language Study. You may NOT select a language which is your first language. English language modules are NOT available to all students.</p> <p>You are advised to speak to a member of staff of the Centre for Language Study (situated on the Avenue campus) BEFORE making your module choice if you want to do a language.</p>		
Rule PT3 R1 G1	<p>Engineering Modules</p> <p>You must take either 1 or 2 modules from the following:</p>		
CENV 3057	Urban Design	15	Semester 2
CENV 3059	Urban Water and Wastewater Engineering	15	Semester 2
CENV 3065	Railway Engineering and Operations	15	Semester 2
CENV 3066	Environmental Hydraulics	15	Semester 2
FEEG 3004	Human Factors in Engineering	15	Semester 1
Rule PT3 R1 G2	<p>Language Module</p>		

	You may take either 0 or 1 module from the following:		
LANG XX15	Language Module	15	Show Electives

Programme:	MEng Civil Engineering - 3919
Term:	2020-2021 Academic Session (202021)
Area title:	3919-4 - MEng Civil Engineering Part 4

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
CENV 6152	Project Econ and Mang	15	No	Semester 1
FEEG 6013	Group Design Project	45	Yes	Full Academic Year

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule PT4 R1	Select 4 modules		
CENV 6085	Waste Resource Management	15	Semester 2
CENV 6086	Advanced Structural Engineering	15	Semester 2
CENV 6090	Energy Resources and Engineering	15	Semester 2
CENV 6112	Transport, Energy and the Environment	15	Semester 2
CENV 6122	Advanced Geotechnical Engineering	15	Semester 2
CENV 6134	Earthquake Engineering and Seismic Design of Steel Buildings	15	Semester 1
CENV 6141	Bioenergy	15	Semester 2
CENV 6148	Energy Performance Assessment of Buildings	15	Semester 2

CENV 6153	Transport Modelling	15	Semester 1
CENV 6168	Transport Management and Safety	15	Semester 1
CENV 6172	River and Estuary Restoration	15	Semester 2
CENV 6174	Flood Modelling and Mitigation	15	Semester 1
CENV 6175	Coastal and Maritime Engineering	15	Semester 1
FEEG 6010	Advanced Finite Element Analysis	15	Semester 2
FEEG 6011	Architectural and Building Acoustics	15	Semester 2
SESG 6039	Composites Engineering Design and Mechanics	15	Semester 1

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