

Degree planner – BE(Hons) in Civil Engineering

If no point value is listed, papers are worth 15 points.

Year 1	ENGEN170 Engineering and Society	ENGEN180 Foundation of Engineering	ENGEN183 Linear Algebra and Stats	ENGEN184 Calculus for Engineers	ENGEN103 Engineering Computing	ENGEN112 Materials Science and Engineering	ENGEN110 Engineering Mechanics	Programme Elective
Year 2	ENGEN270 Engineering Professional Practice 1	ENGCV280 Civil Design Challenge 1	ENGEN201 Engineering Maths 2	ENGCV223 Water Engineering 1	ENGCV231 Geotechnical Engineering 1	ENGCV212 Structural Engineering 1	ENGCV251 Construction 1	ENGCV241 Highways and Transportation
Year 3	ENGEV342 Sustainable Engineering	ENGCV380 Civil Design Challenge	ENGEN301 Engineering Maths 3	ENGCV323 Water Engineering 2	ENGCV331 Geotechnical Engineering 2	ENGCV312 Structural Engineering	ENGCV351 Construction 2	ENGEV341 Environmental Engineering
Year 4	ENGEN570 Engineering Professional Practice 2	ENGEN591 Research Project*	ENGEN591 Research Project*	ENGCV580 Civil Design Challenge**	ENGCV580 Civil Design Challenge**	Programme Elective	Programme Elective	Programme Elective

Compulsory
 Stream
 Elective
 Placement

Note: Second Year includes *ENGEN271: Work Placement 1*, and Third Year includes *ENGEN371: Work Placement 2*, which are compulsory but are 0-point papers. Placements are usually taken over the Summer period from November to February.

**ENGEN591 Research Project* is worth 30 points.

***ENGCV580 Civil Design Challenge* is worth 30 points.

Year 1 Electives

Choose 15 points from the following:

[EARTH102 Discovering Planet Earth](#)
[ENGEN111 Electricity and Electronics](#)
[CHEMY1XX 100 Level Chemistry](#)

Year 4 Electives

Choose 45 points with at least 30 points at 500 Level from the following:

[ENGCV512 Advanced Structural Design](#)
[ENGCV513 Earthquake Engineering and Design](#)
[ENGCV531 Advanced Geotechnical Engineering](#)
[ENGEV541 Advanced Water and Waste Water Engineering](#)
[ENGEV542 Waste Minimisation Engineering](#)
[ENGME540 Finite Element Analysis](#)
[ENGEN590 Special Topics in Engineering](#)