Degree planner — BE(Hons) in Civil Engineering

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

Year 1
- ENGEN370 Engineering and Society
- ENGEN380 Foundation of Engineering
- ENGEN381 Linear Algebra and Stats
- ENGEN584 Calculus for Engineers
- ENGEN303 Engineering Computing
- ENGEN312 Materials Science and Engineering
- ENGEN10 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
- ENGCV211 Highway and Transportation
- ENGCV241 Structural Engineering 1
- ENGCV251 Construction 1

Year 3
- ENGCV342 Sustainable Engineering
- ENGCV380 Civil Design Challenge
- ENGEN501 Engineering Maths 3
- ENGCV223 Water Engineering 2
- ENGCV231 Geotechnical Engineering 2
- ENGCV211 Highway and Transportation
- ENGCV241 Structural Engineering 2
- ENGCV251 Construction 2

Year 4
- ENGEN270 Engineering Professional Practice 2
- ENGEN591 Research Project
- ENGEN591 Research Project
- ENGEN580 Civil Design Challenge
- ENGEN580 Civil Design Challenge
- Programme Elective
- Programme Elective
- Programme Elective

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
- ENGEN311 Electricity and Electronics
- CHEMY1XX 100 Level Chemistry

Year 4 Electives
Choose 45 points with at least 30 points at 500 Level from the following:
- ENGCV510 Advanced Structural Design
- ENGCV513 Earthquake Engineering and Design
- ENGCV531 Advanced Geotechnical Engineering
- ENGCV541 Advanced Water and Waste Water Engineering
- ENGCV542 Waste Minimisation Engineering
- ENGME540 Finite Element Analysis
- ENGEN590 Special Topics in Engineering