Programme Description
TU704 presents applicants with an opportunity to develop their mathematical and analytical skills to solve many of the problems encountered in the broader civil engineering industry. Civil Engineering is an ideal choice for aspiring graduates looking for a high-tech career that offers opportunities to work both indoors and outdoors. Civil Engineering Technologists work on the design and construction of roads, bridges, railways, dams, water supply systems and sanitary services. This programme equips graduates with the necessary skills to carry out much of the detailed analytical and design activities on building projects. An interest in problem solving, computation and mathematics is important. Each year of the programme is delivered over two semesters with examinations at the end of each semester. At the end of Year 2 students are offered a choice of entering options in Civil/Environmental or Structural Engineering in Year 3.

Career Opportunities
Civil Engineering graduates can expect excellent employment prospects with recognised career path opportunities in consulting engineering design offices, contracting, materials supply and as building site managers. Some graduates can expect to be in private practice or working on behalf of national and local authorities. Graduates can expect varied and challenging careers with good salaries, secure employment and good promotion opportunities. Many graduates will continue their studies on Level 8 programmes within TU Dublin or elsewhere.

Progression
Students who have reached the appropriate level in final examinations and meet certain subject prerequisites may have the opportunity to access Honours Degree programmes at Year 3 in TU Dublin and elsewhere in Higher Education Institutes. Students who successfully complete year two of this programme and who do not wish to progress to the third year may receive a Higher Certificate award.

Programme Outline
Year One

Year Two

Year Three
Core: Mathematics and Computation, Engineering Economics & Management, Soil Mechanics, Collaborative Working including BIM, Final Year Project.
• Structural Option: Structural Analysis, Structural Design Steel & Concrete.
• Civil/Environmental Option: Highways and Transportation, Water & Environmental Engineering.

Further Information
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