# STUDYING UCD ENGINEERING

## YEAR 1 — Explore your options

| | | | | |
|---|---|---|---|---|
| Physics | Chemistry | Mathematics | | |
| Energy Engineering | Mechanics | Electrical/ Electronic Engineering | Creativity in Design | Engineering Computing |

These core modules are supplemented by a range of option modules that will enable you to develop within your chosen specialisation and areas of interest.

## YEARS 2 & 3 — Choose your pathway

| | | | | | |
|---|---|---|---|---|---|
| Biomedical | Chemical & Bioprocess | Civil | Electrical/Electronic | Mechanical | Structural Engineering with Architecture |

Optional Study Abroad Opportunity (Year 3)

## YEARS 4 & 5 — Focus on your area(s) of specialisation

**Graduate with a Bachelor of Engineering**

**BE (4 years) Bachelor of Engineering**

- Biomedical
- Chemical & Bioprocess**
- Chemical with Biochemical Minor**
- Civil
- Electrical
- Electronic
- Mechanical

**ME (5 years) Master of Engineering**

- Biosystems & Food*
- Biomedical
- Chemical & Bioprocess
- Civil, Structural & Environmental
- Electrical Power
- Electronic & Computer
- Energy Systems
- Engineering with Business
- Manufacturing
- Materials Science & Engineering
- Mechanical
- Structural Engineering with Architecture
- Professional Work Experience

**Graduate with a Bachelor of Engineering Science + Master of Engineering**

### Specialise further through UCD graduate study

**Taught & Research Masters**

- Biopharmaceutical Engineering
- Digital Technology for Sustainable Agriculture
- Chemical Engineering
- Electronic & Computer Engineering
- Engineering Management
- Environmental Technology
- Food Engineering
- Electrical Power Networks
- Materials Science & Engineering
- Structural Engineering
- Sustainable Energy & Green Technologies
- Water, Waste & Environmental Engineering

**Doctor of Philosophy (PhD) Engineering**

**Research & Academia**

### Shape your career with UCD Engineering

**Job Sectors**

- Business & Media
- Construction
- Design
- Education
- Energy
- Environment
- Finance
- Food
- Healthcare
- Information & Communications Technology (ICT)
- Management
- Manufacturing
- Pharmaceuticals
- Research & Academia

**Continue to develop your professional career with UCD**

*The ME Biosystems and Food Engineering is accessible from all Engineering Pathways.

** Both BE degrees meet the educational standard for the professional title of Chartered Engineer, through the Institution of Chemical Engineers (IChemE).