Studying UCD Engineering

**Year 1**

<table>
<thead>
<tr>
<th>Physics</th>
<th>Chemistry</th>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical/Electronic</td>
<td>Creativity in Design</td>
<td></td>
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</table>

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**

<table>
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<tr>
<th>Biomedical</th>
<th>Chemical &amp; Bioprocess</th>
<th>Civil</th>
<th>Electrical/Electronic</th>
<th>Mechanical</th>
<th>Structural Engineering with Architecture</th>
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</thead>
</table>

Optional Study Abroad

**Years 4 & 5**

Focus on your area[s] of specialisation

**BE (4 years)**

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

Graduate with a Bachelor of Engineering

**ME (5 years)**

- Master of Engineering
  - *Biosystems & Food Biomedical
  - Chemical & Bioprocess
  - Civil, Structural & Environmental
  - Electrical Power
  - Electronic & Computer
  - Energy Systems

Engineering with Business
- Materials Science & Engineering
- Mechanical
- Optical Engineering
- Structural Engineering with Architecture
- Professional Work Experience

Graduate with a Master of Engineering

Specialise through UCD graduate study

- Taught & Research Master’s
  - Biopharmaceutical Engineering
  - Bioeconomy with Business
  - Chemical Engineering
  - Electronic & Computer Engineering
  - Engineering Management
  - Environmental Technology
  - Food Engineering
  - Materials Science & Engineering
  - Sustainable Energy & Green Technologies
  - Water, Waste & Environmental Engineering

- Doctor of Philosophy (PhD) Engineering

Shape your career with UCD Engineering

Professional Engineer in your chosen discipline with careers in:

- Business & Media
- Construction
- 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.

**These 4-year BE degrees are designed to meet the educational standard for the professional title of Chartered Engineer, through the Institution of Chemical Engineers [IChemE].