# Bachelor of Engineering (Honours) (Chemical) with Bachelor of Finance and Banking – Semester 1 Start

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Semester 3</th>
<th>Semester 4</th>
<th>Semester 5</th>
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<tr>
<td></td>
<td>Core Courses</td>
<td>Elective (see table)</td>
<td>Double Degree Course</td>
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</table>

### Year 1

**S 1**
- MATHS 1011 Mathematics IA
- CHEM 1100 Chemistry IA OR CHEM 1101 Foundations of Chemistry IA
- CHEM ENG 1007 Introduction to Process Engineering
- ACCTING 1002 Introductory Accounting

**S 2**
- MATHS 1012 Mathematics IB
- CHEM 1200 Chemistry IB OR CHEM 1201 Foundations of Chemistry IB
- ENG 1001 Introduction to Engineering
- ENG 1003 Programming (Matlab and Excel)

### Year 2

**S 1**
- MATHS 2106 Differential Equations for Engineers II
- CHEM 1200 Chemistry IB
- CHEM ENG 2010 Process Design II
- CHEM ENG 2018 Process Fluid Mechanics
- ECON 1012 Principles of Economics I

**S 2**
- MATHS 2107 Statistics & Numerical Methods II
- CHEM 1201 Foundations of Chemistry IB
- ENG 1001 Introduction to Engineering
- ENG 1003 Programming (Matlab and Excel)

### Year 3

**S 1**
- ENG 3005 Research Methodology & Project Management
- CHEM ENG 3034 Chemical Reactor Engineering
- CHEM 1201 Foundations of Chemistry IB
- CHEM ENG 3035 Fluid & Particle Mechanics
- ECON 1009 International Financial Institutions & Markets I

**S 2**
- CHEM ENG 3036 Unit Operations Laboratory
- CHEM ENG 3030 Process Design III
- CHEM ENG 3031 Process Control & Instrumentation
- CHEM ENG 3033 Separation Process Engineering

### Internship

All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of [internship](#) during the course of their studies – see note below elective table.

### Year 4

**S 1**
- CHEM ENG 3029 Material Science and Engineering
- CHEM ENG 4034 Chemical Engineering Practice
- CHEM ENG 4050 Advanced Chemical Engineering
- CORPFIN 2504 Options, Futures & Risk Management

**S 2**
- Level IV Chemical Engineering Elective (see elective table)
- CORPFIN 2501 Financial Institutions Management
- CORPFIN 2502 Business Valuation
- Level III Finance and Banking Elective

### Year 5

**S 1**
- CHEM ENG 4056 Process Design IV
- CORPFIN 3501 Portfolio Theory & Management
- ECON 2508 Financial Economics II
- ECON 3511 Money, Banking & Financial Markets III

**S 2**
- CHEM ENG 4014 Plant Design Project (6 units)
- CHEM ENG 4054 Research Project
- MATHS 3012 Financial Modelling: Tools & Techniques

See study plan notes below elective table.

Last published 26 November 2021
**Electives Table**

<table>
<thead>
<tr>
<th>Level IV Chemical Engineering Elective</th>
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<tbody>
<tr>
<td><strong>S1</strong></td>
<td>MECH ENG 4112 Combustion Technologies &amp; High Temperature Processes</td>
</tr>
<tr>
<td><strong>CHEM ENG 4051</strong></td>
<td>CHEM ENG 4058 Metallurgical Processes</td>
</tr>
<tr>
<td><strong>S2</strong></td>
<td>CHEM ENG 4048 Biofuels, Biomass and Wastes</td>
</tr>
<tr>
<td><strong>WS</strong></td>
<td>CHEM ENG 4074 Brewery Engineering</td>
</tr>
<tr>
<td><strong>CHEM ENG 4075</strong></td>
<td>Winery Engineering (not offered 2022)</td>
</tr>
</tbody>
</table>

**NOTES**
- **EAL:** Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering.
- **Chemistry:** Students with at least C+ in SACE Stage 2 Chemistry (or equivalent) must enrol in CHEM 1100 Chemistry IA and CHEM 1200 Chemistry IB. All other students must enrol into CHEM 1101 Foundations of Chemistry IA and CHEM 1201 Foundations of Chemistry IB.

**Finance elective:** Students can choose Finance electives in accordance with the academic program rules for the Bachelor of Finance: https://calendar.adelaide.edu.au/faculty/professions

**Internships:** All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. Internships are self-sourced and further information can be found on the Engineering Internships web page: https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering.

**Program Rules:** For academic program rules please refer to the following website: https://calendar.adelaide.edu.au/faculty/ecms

**Information and Enrolment Advice:**
Ask ECMS
Email: askecms@adelaide.edu.au
Website: https://ecms.adelaide.edu.au/study-with-us/student-support