# Degree planner — BSc in Chemistry

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

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMY101 Structure and Spectroscopy</td>
<td>CHEMY102 Chemical Reactivity</td>
<td>One from List A</td>
</tr>
<tr>
<td>CHEMY102 Organic Chemistry</td>
<td>CHEMY103 Physical Chemistry</td>
<td>One from List A</td>
</tr>
<tr>
<td>CHEMY103 Inorganic Chemistry</td>
<td>CHEMY104 Analytical Chemistry</td>
<td>One from List A</td>
</tr>
<tr>
<td>List A</td>
<td>List B</td>
<td>Any CHEMY3 Paper</td>
</tr>
<tr>
<td>Any CHEMY3 Paper</td>
<td>One from List B at 500 Level or 200 Level</td>
<td>Any CHEMY3 Paper</td>
</tr>
<tr>
<td>Compulsory</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

## List A

Choose 45 points from the following:
- APHYS111 Physics in Context
- BIOEB101 Concepts of Biology
- BIOBE102 Introduction to Ecology and Biodiversity
- BIOMO101 Introduction to Molecular and Cellular Biology
- CHEMY100 Chemistry in Context
- EARTH101 Introduction to Earth System Sciences
- EARTH102 Discovering Planet Earth
- ENGEN111 Electricity and Electronics
- ENGEN112 Materials Science and Engineering
- ENGEN180 Foundations of Engineering
- ENVSC101 Environmental Science
- PHILO102 Introduction to Logic

## List B

Choose 30 points from the following:
- MATHS168 Preparatory Mathematics
- MATHS165 General Mathematics
- MATHS135 Discrete Structures
- MATHS101 Introduction to Calculus Or ENGEN184 Calculus for Engineers
- MATHS102 Introduction to Algebra Or ENGEN103 Linear Algebra and Statistics for Engineers
- COMPX101 Introduction to Computer Science Or ENGEN103 Engineering Computing
- STATS111 Statistics for Science Or STATS121 Introduction to Statistical Methods
- PHYSC100 General Physics Or PHYSC101 Physics for Engineers and Scientists
- ENGEN110 Engineering Mechanics
- MATHS2XX 200 Level Mathematics
- COMPX2XX 200 Level Computer Science
- STATS2XX 200 Level Statistics
- CHEMY202 Physical Chemistry Or CHEMY204 Analytical Chemistry
- EARTH251 Spatial Analysis in Geosciences Or ENVPL202 Cartography and Spatial Analysis
- ENGEN201 Engineering Mathematics 2

## List C

Choose 15 points from the following:
- SCIEN301 Capstone Project
- SCIEN303 Undergraduate Research Project
- SCIEN313 Undergraduate Research Project
- SCIEN314 Science Entrepreneurship

## CHEMY3 Papers

Choose 45 points from the following:
- CHEMY301 Advanced Organic Chemistry
- CHEMY302 Advanced Physical Chemistry
- CHEMY303 Advanced Inorganic Chemistry
- CHEMY304 Advanced Analytical Chemistry