

## 2021 Study Plan Template

### Bachelor of Science (Honours) (Chemical Sciences)

Please note that this document is provided as a guide only. Students are responsible for ensuring that they have completed 144 units of study according to the official Bachelor of Science (Honours) (Chemical Sciences) course rule available at <https://students.flinders.edu.au/my-course/course-rules/undergrad/bscs/bschs-chem>

Students are responsible for planning their Core, Option and Elective topics ahead to ensure they meet the topic prerequisites.

A list of all topics, including topic prerequisite information and alternate study period availabilities, is available at [2021 Topics](#).

#### Semester 1 start:

<b>Year 1</b>	<b>S1</b>	<b>CHEM1101</b> Chemical Structure and Bonding	<b>STEM1001</b> Nature of STEM	<b>EASC1101</b> Earth and Environmental Sciences OR <b>BIOL1101</b> Evolution of Biological Diversity	<b>^ Elective Topic</b>
	<b>S2</b>	<b>CHEM1102</b> Modern Chemistry	<b>MATH1121</b> Mathematics 1A OR <b>MATH1701</b> Mathematics Fundamentals A	<b>EASC1102</b> Marine Sciences OR <b>BIOL1102</b> Molecular Basis of Life <b>MUST CHOOSE A PAIR</b>	<b>^ Elective Topic</b>
<b>Year 2</b>	<b>S1</b>	<b>CHEM2701</b> Chemical Reactivity	<b>CHEM2711</b> Spectroscopy and Data Analysis	<b>^ Elective Topic</b>	<b>^ Elective Topic</b>
	<b>S2</b>	<b>CHEM2702</b> Organic Reactions	<b>CHEM2712</b> Analytical Separations	<b>NANO2701</b> Structure and Characterisation	<b>^ Elective Topic</b>
<b>Year 3</b>	<b>S1</b>	<b>CHEM3701</b> Applied Spectroscopy and Electrochemistry	<b>CHEM3711</b> Organic Synthesis and Mechanism	<b>FACH3701</b> Chemical Criminalistics	<b>^ Elective Topic</b>
	<b>S2</b>	<b>CHEM3702</b> Inorganic and Organometallic Chemistry	<b>CHEM3712</b> Introduction to Polymer Science	<b>FACH3702</b> Drug Action, Metabolism, Toxicology and Analysis	<b>NANO3702</b> Frontiers of Nanotechnology
<b>Year 4</b>	<b>S1</b>	<b>STEM7001</b> Honours Research Methods	<b>CPES7711</b> Advanced Techniques in Chemical and Physical Science	<b>CPES7721</b> Advanced Chemical and Physical Science	<b>STEM7000A</b> Honours Research Project in STEM
	<b>S2</b>	<b>STEM7000B</b> Honours Research Project in STEM	<b>STEM7000C</b> Honours Research Project in STEM	<b>STEM7000D</b> Honours Research Project in STEM	<b>STEM7000E</b> Honours Research Project in STEM

Semester 2 start:

Year 1	S2	<b>CHEM1101</b> Chemical Structure and Bonding	<b>CHEM1102</b> Modern Chemistry	<b>EASC1102</b> Marine Sciences OR <b>BIOL1102</b> Molecular Basis of Life <b>MUST CHOOSE A PAIR</b>	<b>^ Elective Topic</b>
	S1	<b>STEM1001</b> Nature of STEM	<b>MATH1121</b> Mathematics 1A OR <b>MATH1701</b> Mathematics Fundamentals A	<b>EASC1101</b> Earth and Environmental Sciences OR <b>BIOL1101</b> Evolution of Biological Diversity	<b>CHEM2712</b> Analytical Separations
Year 2	S2	<b>CHEM2702</b> Organic Reactions	<b>NANO2701</b> Structure and Characterisation	<b>^ Elective Topic</b>	<b>^ Elective Topic</b>
	S1	<b>CHEM2701</b> Chemical Reactivity	<b>CHEM2711</b> Spectroscopy and Data Analysis	<b>^ Elective Topic</b>	<b>^ Elective Topic</b>
Year 3	S2	<b>CHEM3702</b> Inorganic and Organometallic Chemistry	<b>CHEM3712</b> Introduction to Polymer Science	<b>FACH3702</b> Drug Action, Metabolism, Toxicology and Analysis	<b>NANO3702</b> Frontiers of Nanotechnology
	S1	<b>CHEM3701</b> Applied Spectroscopy and Electrochemistry	<b>CHEM3711</b> Organic Synthesis and Mechanism	<b>FACH3701</b> Chemical Criminalistics	<b>^ Elective Topic</b>
Year 4	S2	<b>STEM7001</b> Honours Research Methods	<b>STEM7000A</b> Honours Research Project in STEM	<b>STEM7000B</b> Honours Research Project in STEM	<b>STEM7000C</b> Honours Research Project in STEM
	S1	<b>CPES7711</b> Advanced Techniques in Chemical and Physical Science	<b>CPES7721</b> Advanced Chemical and Physical Science	<b>STEM7000D</b> Honours Research Project in STEM	<b>STEM7000E</b> Honours Research Project in STEM

Key:	
<b>Core Topic</b>	Compulsory topic
<b>Option Topic</b>	A choice from a list of specified topics
<b>^ Elective Topic</b>	Any topic offered by the University at the appropriate year level, provided entry and course requirements are met and that no more than 45 units of First Year topics are included in the 108-unit program. Please refer to the course rule for a list of recommended electives. Students are encouraged to enroll in <b>STEM3001 Science Connect</b> as a third-year elective