

## 2021 Study Plan Template

### Bachelor of Science (Honours) (Forensic and Analytical Science)

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) (Forensic and Analytical Science) course rule available at <https://students.flinders.edu.au/my-course/course-rules/undergrad/bscs/bschs-fnas>

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: Forensic Biology Stream

|        |    |   |   |  |  |
|--------|----|---|---|--|--|
| Year 1 | S1 | <b>BIOL1102</b><br>Molecular Basis of Life              | <b>CHEM1101</b><br>Chemical Structure and Bonding   | <b>STEM1001</b><br>Nature of STEM                    | ^ Elective Topic                                     |
|        | S2 | <b>BIOL1101</b><br>Evolution of Biological Diversity    | <b>CHEM1102</b><br>Modern Chemistry   | <b>FACH1701</b><br>Introduction to Forensic Science  | <b>STAT1122</b><br>Biostatistics                     |
| Year 2 | S1 | <b>BIOL2771</b><br>Biochemistry                         | <b>Year 2 Option Topic</b>  | ^ Elective Topic                                     | ^ Elective Topic                                     |
|        | S2 | <b>BIOL2702</b><br>Genetics, Evolution and Biodiversity | <b>BIOL2772</b><br>Molecular Biology  | <b>Year 2 Option Topic</b>                           | ^ Elective Topic                                     |
| Year 3 | S1 | <b>BIOL3771</b><br>DNA to Genome                        | <b>BIOL3793</b><br>Biological Criminalistics  | <b>Year 3 Option Topic</b>                           | ^ Elective Topic                                     |
|        | S2 | <b>BIOL3762</b><br>Protein to Proteome                  | <b>BIOL3792</b><br>Forensic Biology   | <b>Year 3 Option Topic</b>                           | ^ Elective Topic                                     |
| Year 4 | S1 | <b>STEM7001</b><br>Honours Research Methods             | <b>BIOL7710</b><br>Honours Critical Readings <b>OR</b><br><b>BIOL7720</b><br>Honours Statistics and Research Design | <b>BIOL7731</b><br>Evidence Evaluation               | <b>STEM7000A</b><br>Honours Research Project in STEM |
|        | S2 | <b>STEM7000B</b><br>Honours Research Project in STEM    | <b>STEM7000C</b><br>Honours Research Project in STEM  | <b>STEM7000D</b><br>Honours Research Project in STEM | <b>STEM7000E</b><br>Honours Research Project in STEM |

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### Bachelor of Science (Forensic and Analytical Science)

#### Semester 2 start: Forensic Biology Stream

|               |           |  |   |  |  |
|---------------|-----------|--|---|--|--|
| <b>Year 1</b> | <b>S2</b> | <b>BIOL1101</b><br>Evolution of Biological Diversity | <b>CHEM1101</b><br>Chemical Structure and Bonding   | <b>CHEM1102</b><br>Modern Chemistry                  | <b>STAT1122</b><br>Biostatistics                     |
|               | <b>S1</b> | <b>BIOL1102</b><br>Molecular Basis of Life           | <b>STEM1001</b><br>Nature of STEM   | <b>^ Elective Topic</b>                              | <b>^ Elective Topic</b>                              |
| <b>Year 2</b> | <b>S2</b> | <b>FACH1701</b><br>Introduction to Forensic Science  | <b>BIOL2702</b><br>Genetics, Evolution and Biodiversity   | <b>BIOL2772</b><br>Molecular Biology                 | <b>Year 2 Option Topic</b>                           |
|               | <b>S1</b> | <b>BIOL2771</b><br>Biochemistry                      | <b>Year 2 Option Topic</b>  | <b>^ Elective Topic</b>                              | <b>^ Elective Topic</b>                              |
| <b>Year 3</b> | <b>S2</b> | <b>BIOL3762</b><br>Protein to Proteome               | <b>BIOL3792</b><br>Forensic Biology   | <b>Year 3 Option Topic</b>                           | <b>^ Elective Topic</b>                              |
|               | <b>S1</b> | <b>BIOL3771</b><br>DNA to Genome                     | <b>BIOL3793</b><br>Biological Criminalistics  | <b>Year 3 Option Topic</b>                           | <b>^ Elective Topic</b>                              |
| <b>Year 4</b> | <b>S2</b> | <b>STEM7001</b><br>Honours Research Methods          | <b>STEM7000A</b><br>Honours Research Project in STEM  | <b>STEM7000B</b><br>Honours Research Project in STEM | <b>STEM7000C</b><br>Honours Research Project in STEM |
|               | <b>S1</b> | <b>BIOL7731</b><br>Evidence Evaluation               | <b>BIOL7710</b><br>Honours Critical Readings <b>OR</b><br><b>BIOL7720</b><br>Honours Statistics and Research Design | <b>STEM7000D</b><br>Honours Research Project in STEM | <b>STEM7000E</b><br>Honours Research Project in STEM |

| <b>Key:</b>             |   |
|-------------------------|---|
| <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.<br>Students are encouraged to enroll in <b>STEM3001 Science Connect</b> as a third-year elective |

## 2021 Study Plan Template

### Bachelor of Science (Forensic and Analytical Science)

#### Semester 1 start: Forensic and Analytical Chemistry Stream

|               |           |  |   |   |  |
|---------------|-----------|--|---|---|--|
| <b>Year 1</b> | <b>S1</b> | <b>BIOL1102</b><br>Molecular Basis of Life                   | <b>CHEM1101</b><br>Chemical Structure and Bonding                       | <b>STEM1001</b><br>Nature of STEM   | <b>^ Elective Topic</b>                              |
|               | <b>S2</b> | <b>FACH1701</b><br>Introduction to Forensic Science          | <b>CHEM1102</b><br>Modern Chemistry                                     | <b>STAT1122</b><br>Biostatistics<br><br><i>(or STAT1121 in S1 and an elective here)</i> | <b>^ Elective Topic</b>                              |
| <b>Year 2</b> | <b>S1</b> | <b>CHEM2701</b><br>Chemical Reactivity                       | <b>CHEM2711</b><br>Spectroscopy and Data Analysis                       | <b>^ Elective Topic</b>   | <b>^ Elective Topic</b>                              |
|               | <b>S2</b> | <b>CHEM2702</b><br>Organic Reactions                         | <b>CHEM2712</b><br>Analytical Separations                               | <b>BIOL2772</b><br>Molecular Biology  | <b>NANO2701</b><br>Structure and Characterisation    |
| <b>Year 3</b> | <b>S1</b> | <b>CHEM3701</b><br>Applied Spectroscopy and Electrochemistry | <b>CHEM3711</b><br>Organic Synthesis and Mechanism                      | <b>FACH3701</b><br>Chemical Criminalistics  | <b>^ Elective Topic</b>                              |
|               | <b>S2</b> | <b>CHEM3702</b><br>Inorganic and Organometallic Chemistry    | <b>CHEM3712</b><br>Introduction to Polymer Science                      | <b>FACH3702</b><br>Drug Action, Metabolism, Toxicology and Analysis                     | <b>^ Elective Topic</b>                              |
| <b>Year 4</b> | <b>S1</b> | <b>STEM7001</b><br>Honours Research Methods                  | <b>CPES7711</b><br>Advanced Techniques in Chemical and Physical Science | <b>CPES7721</b><br>Advanced Chemical and Physical Science                               | <b>STEM7000A</b><br>Honours Research Project in STEM |
|               | <b>S2</b> | <b>STEM7000B</b><br>Honours Research Project in STEM         | <b>STEM7000C</b><br>Honours Research Project in STEM                    | <b>STEM7000D</b><br>Honours Research Project in STEM                                    | <b>STEM7000E</b><br>Honours Research Project in STEM |

## 2021 Study Plan Template

### Bachelor of Science (Forensic and Analytical Science)

#### Semester 2 start: Forensic and Analytical Chemistry Stream

|               |           |   |   |   |  |
|---------------|-----------|---|---|---|--|
| <b>Year 1</b> | <b>S2</b> | <b>CHEM1101</b><br>Chemical Structure and Bonding                       | <b>CHEM1102</b><br>Modern Chemistry                       | <b>STAT1122</b><br>Biostatistics<br><i>(or STAT1121 in S1 and an elective here)</i> | <b>^ Elective Topic</b>                              |
|               | <b>S1</b> | <b>BIOL1102</b><br>Molecular Basis of Life                              | <b>STEM1001</b><br>Nature of STEM                         | <b>FACH1701</b><br>Introduction to Forensic Science                                 | <b>CHEM2711</b><br>Spectroscopy and Data Analysis    |
| <b>Year 2</b> | <b>S2</b> | <b>CHEM2702</b><br>Organic Reactions                                    | <b>CHEM2712</b><br>Analytical Separations                 | <b>BIOL2772</b><br>Molecular Biology  | <b>NANO2701</b><br>Structure and Characterisation    |
|               | <b>S1</b> | <b>CHEM2701</b><br>Chemical Reactivity                                  | <b>FACH3701</b><br>Chemical Criminalistics                | <b>^ Elective Topic</b>   | <b>^ Elective Topic</b>                              |
| <b>Year 3</b> | <b>S2</b> | <b>CHEM3702</b><br>Inorganic and Organometallic Chemistry               | <b>CHEM3712</b><br>Introduction to Polymer Science        | <b>FACH3702</b><br>Drug Action, Metabolism, Toxicology and Analysis                 | <b>^ Elective Topic</b>                              |
|               | <b>S1</b> | <b>CHEM3701</b><br>Applied Spectroscopy and Electrochemistry            | <b>CHEM3711</b><br>Organic Synthesis and Mechanism        | <b>^ Elective Topic</b>   | <b>^ Elective Topic</b>                              |
| <b>Year 4</b> | <b>S2</b> | <b>STEM7001</b><br>Honours Research Methods                             | <b>STEM7000A</b><br>Honours Research Project in STEM      | <b>STEM7000B</b><br>Honours Research Project in STEM                                | <b>STEM7000C</b><br>Honours Research Project in STEM |
|               | <b>S1</b> | <b>CPES7711</b><br>Advanced Techniques in Chemical and Physical Science | <b>CPES7721</b><br>Advanced Chemical and Physical Science | <b>STEM7000D</b><br>Honours Research Project in STEM                                | <b>STEM7000E</b><br>Honours Research Project in STEM |

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