

| BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS) | | | | | | | | |
|---|--|---|----------------|-------------------|------------------------|--|------------|----|
| AY2022 - 2023 Intake onwards with Professional Internship | | | | | | | | |
| Programme | Year of Study | Number of Academic Units (AU) | | | | | | |
| | | Major Requirement | | Interdisciplinary | | Broadening and Deepening Electives (BDE) | Total | |
| | | Core (C) | Major PE (MPE) | Common Core (CC) | Foundational Core (FC) | | | |
| Chemistry and Biological Chemistry | 1 | 17 | | 11 | | 6 | 34 | |
| | 2 | 21 | | 6 | 3 | 8 | 38 | |
| | 3 | 18 | | | 2 | 19 | 39 | |
| | 4 | | 12 | | 10 | 6 | 28 | |
| | Total | 56 | 12 | 17 | 15 | 39 | 139 | |
| BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (FST) | | | | | | | | |
| Category | | | | | | AU | Total AU | |
| Interdisciplinary Collaborative Core (ICC) | Common Core (University-level) | | | | | | | |
| | CC0001 Inquiry and Communication in the Interdisciplinary World | | | | | | 2 | 17 |
| | CC0002 Navigating the Digital World | | | | | | 2 | |
| | CC0003 Ethics & Civics in a Multi-Cultural World | | | | | | 2 | |
| | CC0005 Healthy Living & Wellbeing | | | | | | 3 | |
| | CC0006 Sustainability: Society, Economy & Environment | | | | | | 3 | |
| | CC0007 Science & Technology for Humanity | | | | | | 3 | |
| | ML0004 Career and Entrepreneurial Development for the Future World | | | | | | 2 | |
| | Foundational Core (College-level) | | | | | | | |
| | HW0218 Communication Across the Sciences | | | | | | 2 | 15 |
| PS0002 Introduction to Data Science and Artificial Intelligence | | | | | | 3 | | |
| CM4081 Professional Internship | | | | | | 10 | | |
| Major Requirement | CHEM Core | | | | | | | |
| | CM1001 | Foundations of Chemistry I | | | | 4 | 56 | |
| | CM1002 | Foundations of Chemistry II | | | | 4 | | |
| | MH1802 | Calculus for the Sciences | | | | 4 | | |
| | MH1804 | Mathematics for Chemistry | | | | 2 | | |
| | PH1801 | Foundations of Physics I | | | | 3 | | |
| | CM2021 | Inorganic and Bioinorganic Chemistry | | | | 3 | | |
| | CM2011 | Analytical Chemistry | | | | 3 | | |
| | CM2061 | Chemistry & Biological Chemistry Laboratory 1 | | | | 3 | | |
| | PS0001 | Introduction to Computational Thinking | | | | 3 | | |
| | CM2031 | Organic and Bioorganic Chemistry | | | | 3 | | |
| | CM2041 | Physical and Biophysical Chemistry 1 | | | | 3 | | |
| | CM2062 | Chemistry & Biological Chemistry Laboratory 2 | | | | 3 | | |
| | CM3011 ^{&} | Chemical Spectroscopy and Applications | | | | 3 | | |
| | CM3041 ^{&} | Physical and Biophysical Chemistry 2 | | | | 3 | | |
| | CM3062 | Chemistry & Biological Chemistry Laboratory 4 | | | | 3 | | |
| | CM3031 ^{&} | Organic Reaction Mechanisms and Synthesis | | | | 3 | | |
| | CM3021 ^{&} | Organometallic Chemistry | | | | 3 | | |
| | CM3061 | Chemistry & Biological Chemistry Laboratory 3 | | | | 3 | | |
| | CHEM Major Prescribed Electives (MPE) | | | | | | | |
| 4 x MPEs | | | | | | 12 | | 12 |
| 2nd Major in Food Science and Technology (FST) | Food Science and Technology Compulsory Courses | | | | | | | |
| | 1) CH5201 Food Chemistry | | | | | | 5 | 30 |
| | 2) CH5200 Food Microbiology | | | | | | 3 | |
| | 3) CH5203 Food Process Engineering | | | | | | 5 | |
| | 4) CH5202 Food Physics | | | | | | 3 | |
| | 5) CH5204 Quality Systems Operations | | | | | | 2 | |
| | 6) NTU-FST MPE x 4 | | | | | | 12 | |
| BDE | Any 3 BDE | | | | | 9 | 9 | |
| Total | | | | | | | 139 | |

&CM3011, CM3021. CM3031, CM3041 are offered in both semesters.

| BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS) | | | | | | | |
|---|--|------|--------------------------|-------------------------|---|-------------------|------------|
| Suggested Study Plan for AY2022-2023 intake | | | | | | | |
| <i>with Professional Internship</i> | | | | | | | |
| Year 1 Semester 1 | | | Year 1 Semester 2 | | | | |
| Course | | Type | AU | Course | Type | AU | |
| CM1001 | Foundations of Chemistry I | C | 4 | CM1002 | Foundations of Chemistry II | C | 4 |
| MH1802 | Calculus for the Sciences | C | 4 | MH1804 | Mathematics for Chemistry | C | 2 |
| CC0001 | Inquiry and Communication in the Interdisciplinary World | CC | 2 | PH1801 | Foundations of Physics I | C | 3 |
| CC0002 | Navigating the Digital World | CC | 2 | CC0003 | Ethics & Civics in a Multi-Cultural World | CC | 2 |
| CC0005 | Healthy Living & Well-being | CC | 3 | ML0004 | Career and Entrepreneurial Development for the Future World | CC | 2 |
| HW0001 | Introduction to Academic Communication* | | | BDE 1 | BDE | 3 | |
| | | | | BDE 2 | BDE | 3 | |
| | | | 15 | | | | 19 |
| <i>*for students who have not cleared QET</i> | | | | | | | |
| Year 2 Semester 1 | | | Year 2 Semester 2 | | | | |
| Course | | Type | AU | Course | Type | AU | |
| CM2011 | Analytical and Bioanalytical Chemistry | C | 3 | CM2031 | Organic and Bioorganic Chemistry | C | 3 |
| CM2021 | Inorganic and Bioinorganic Chemistry | C | 3 | CM2041 | Physical and Biophysical Chemistry 1 | C | 3 |
| CM2061 | Chemistry & Biological Chemistry Laboratory 1 | C | 3 | CM2062 | Chemistry & Biological Chemistry Laboratory 2 | C | 3 |
| PS0001 | Introduction to Computational Thinking | C | 3 | PS0002 | Introduction to Data Science and Artificial Intelligence | FC | 3 |
| CC0006 | Sustainability: Society, Economy & Environment | CC | 3 | CC0007 | Science & Technology for Humanity | CC | 3 |
| CH5201 | Food Chemistry | BDE | 5 | CH5200 | Food Microbiology | BDE | 3 |
| | | | 20 | | | | 18 |
| Year 3 Semester 1 | | | Year 3 Semester 2 | | | | |
| Course | | Type | AU | Course | Type | AU | |
| CM3xxx ^{&} | CHEM-Core | C | 3 | CM3xxx ^{&} | CHEM-Core | C | 3 |
| CM3xxx ^{&} | CHEM-Core | C | 3 | CM3xxx ^{&} | CHEM-Core | C | 3 |
| CM3062 | Chemistry & Biological Chemistry Laboratory 4 | C | 3 | CM3061 | Chemistry & Biological Chemistry Laboratory 3 | C | 3 |
| CH5203 | Food Process Engineering | BDE | 5 | CH5202 | Food Physics | BDE | 3 |
| | NTU-FST Prescribed Elective | BDE | 3 | CH5204 | Quality Systems Operations | BDE | 2 |
| | BDE 3 | BDE | 3 | | NTU-FST Prescribed Elective | BDE | 3 |
| | | | | HW0218 | Communication Across the Sciences | FC | 2 |
| | | | 20 | | | | 19 |
| Year 4 Semester 1 | | | Year 4 Semester 2 | | | | |
| Course | | Type | AU | Course | Type | AU | |
| CM4081 | Professional Internship | FC | 10 | | CHEM MPE1 | MPE | 3 |
| | | | | | CHEM MPE2 | MPE | 3 |
| | | | | | CHEM MPE3 | MPE | 3 |
| | | | | | CHEM MPE4 | MPE | 3 |
| | | | | | NTU-FST Prescribed Elective | BDE | 3 |
| | | | | | NTU-FST Prescribed Elective | BDE | 3 |
| | | | 10 | | | | 18 |
| | | | | | | Total (AU) | 139 |

This study plan is meant as a guide.

[&] CM3xxx refers to CM3011, CM3021, CM3031, CM3041 - These courses are offered in both semesters

BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS)

AY2022 - 2023 Intake onwards

FYP with Professional Attachment

| Programme | Year of Study | Number of Academic Units (AU) | | | | | Total |
|------------------------------------|---------------|-------------------------------|----------------|-------------------|------------------------|--|-------|
| | | Major Requirement | | Interdisciplinary | | Broadening and Deepening Electives (BDE) | |
| | | Core (C) | Major PE (MPE) | Common Core (CC) | Foundational Core (FC) | | |
| Chemistry and Biological Chemistry | 1 | 17 | | 11 | | | 28 |
| | 2 | 21 | | 6 | 3 | 8 | 38 |
| | 3 | 18 | | | 7 | 18 | 43 |
| | 4 | | 22 | | | 8 | 30 |
| | Total | 56 | 22 | 17 | 10 | 34 | 139 |

BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (FST)

| Category | AU | Total AU | | |
|---|--|----------|------------|----|
| Common Core (University-level) | | | | |
| Interdisciplinary Collaborative Core (ICC) | CC0001 Inquiry and Communication in the Interdisciplinary World | 2 | 17 | |
| | CC0002 Navigating the Digital World | 2 | | |
| | CC0003 Ethics & Civics in a Multi-Cultural World | 2 | | |
| | CC0005 Healthy Living & Wellbeing | 3 | | |
| | CC0006 Sustainability: Society, Economy & Environment | 3 | | |
| | CC0007 Science & Technology for Humanity | 3 | | |
| | ML0004 Career and Entrepreneurial Development for the Future World | 2 | | |
| Foundational Core (College-level) | | | | |
| HW0218 Communication Across the Sciences | 2 | 10 | | |
| PS0002 Introduction to Data Science and Artificial Intelligence | 3 | | | |
| CM4082 Professional Attachment | 5 | | | |
| CHEM Core | | | | |
| Major Requirement | CM1001 Foundations of Chemistry I | 4 | 56 | |
| | CM1002 Foundations of Chemistry II | 4 | | |
| | MH1802 Calculus for the Sciences | 4 | | |
| | MH1804 Mathematics for Chemistry | 2 | | |
| | PH1801 Foundations of Physics I | 3 | | |
| | CM2021 Inorganic and Bioinorganic Chemistry | 3 | | |
| | CM2011 Analytical Chemistry | 3 | | |
| | CM2061 Chemistry & Biological Chemistry Laboratory 1 | 3 | | |
| | PS0001 Introduction to Computational Thinking | 3 | | |
| | CM2031 Organic and Bioorganic Chemistry | 3 | | |
| | CM2041 Physical and Biophysical Chemistry 1 | 3 | | |
| | CM2062 Chemistry & Biological Chemistry Laboratory 2 | 3 | | |
| | CM3011 ^{&} Chemical Spectroscopy and Applications | 3 | | |
| | CM3041 ^{&} Physical and Biophysical Chemistry 2 | 3 | | |
| | CM3062 Chemistry & Biological Chemistry Laboratory 4 | 3 | | |
| | CM3031 ^{&} Organic Reaction Mechanisms and Synthesis | 3 | | |
| | CM3021 ^{&} Organometallic Chemistry | 3 | | |
| | CM3061 Chemistry & Biological Chemistry Laboratory 3 | 3 | | |
| | CHEM Major Prescribed Electives (MPE) | | | |
| | CM4080 Honours Project 1 | 10 | | 22 |
| 4 x MPEs | 12 | | | |
| Food Science and Technology Compulsory Courses | | | | |
| 2nd Major in Food Science and Technology (FST) | 1) CH5201 Food Chemistry | 5 | 30 | |
| | 2) CH5200 Food Microbiology | 3 | | |
| | 3) CH5203 Food Process Engineering | 5 | | |
| | 4) CH5202 Food Physics | 3 | | |
| | 5) CH5204 Quality Systems Operations | 2 | | |
| | 6) NTU-FST MPE x 4 | 12 | | |
| BDE | Any 2 BDE | 4 | 4 | |
| Total | | | 139 | |

&CM3011, CM3021. CM3031, CM3041 are offered in both semesters.

| BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS) | | | | | | | |
|---|--|------|-----------|---------------------------|---|------|------------|
| Suggested Study Plan for AY2022-2023 intake | | | | | | | |
| <i>FYP with Professional Attachment Option</i> | | | | | | | |
| Year 1 Semester 1 | | | | Year 1 Semester 2 | | | |
| Course | | Type | AU | Course | | Type | AU |
| CM1001 | Foundations of Chemistry I | C | 4 | CM1002 | Foundations of Chemistry II | C | 4 |
| MH1802 | Calculus for the Sciences | C | 4 | MH1804 | Mathematics for Chemistry | C | 2 |
| CC0001 | Inquiry and Communication in the | CC | 2 | PH1801 | Foundations of Physics I | C | 3 |
| CC0002 | Navigating the Digital World | CC | 2 | CC0003 | Ethics & Civics in a Multi-Cultural World | CC | 2 |
| CC0005 | Healthy Living & Well-being | CC | 3 | ML0004 | Career and Entrepreneurial Development for the Future World | CC | 2 |
| HW0001 | <i>Introduction to Academic Communication*</i> | | | | | | |
| | | | 15 | | | | 13 |
| <i>*for students who have not cleared QET</i> | | | | | | | |
| Year 2 Semester 1 | | | | Year 2 Semester 2 | | | |
| Course | | Type | AU | Course | | Type | AU |
| CM2011 | Analytical and Bioanalytical Chemistry | C | 3 | CM2031 | Organic and Bioorganic Chemistry | C | 3 |
| CM2021 | Inorganic and Bioinorganic Chemistry | C | 3 | CM2041 | Physical and Biophysical Chemistry 1 | C | 3 |
| CM2061 | Chemistry & Biological Chemistry Laboratory 1 | C | 3 | CM2062 | Chemistry & Biological Chemistry Laboratory 2 | C | 3 |
| PS0001 | Introduction to Computational Thinking | C | 3 | PS0002 | Introduction to Data Science and Artificial Intelligence | FC | 3 |
| CC0006 | Sustainability: Society, Economy & Environment | CC | 3 | CC0007 | Science & Technology for Humanity | CC | 3 |
| CH5201 | Food Chemistry | BDE | 5 | CH5200 | Food Microbiology | BDE | 3 |
| | | | 20 | | | | 18 |
| Year 3 Semester 1 | | | | Year 3 Semester 2 | | | |
| Course | | Type | AU | Course | | Type | AU |
| CM3xxx ^{&} | CHEM-Core | C | 3 | CM3xxx ^{&} | CHEM-Core | C | 3 |
| CM3xxx ^{&} | CHEM-Core | C | 3 | CM3xxx ^{&} | CHEM-Core | C | 3 |
| CM3062 | Chemistry & Biological Chemistry Laboratory 4 | C | 3 | CM3061 | Chemistry & Biological Chemistry Laboratory 3 | C | 3 |
| CH5203 | Food Process Engineering | BDE | 5 | CH5202 | Food Physics | BDE | 3 |
| | NTU-FST Prescribed Elective | BDE | 3 | CH5204 | Quality Systems Operations | BDE | 2 |
| | BDE 1 | BDE | 2 | | NTU-FST Prescribed Elective | BDE | 3 |
| | | | 19 | HW0218 | Communication Across the Sciences | FC | 2 |
| | | | | Year 3 Special Sem | | | |
| | | | | CM4082 | Professional Attachment | FC | 5 |
| | | | | | | | 24 |
| Year 4 Semester 1 | | | | Year 4 Semester 2 | | | |
| Course | | Type | AU | Course | | Type | AU |
| | CHEM MPE1 | MPE | 3 | CM4080 | Honours Project 1 | MPE | 10 |
| | CHEM MPE2 | MPE | 3 | | BDE 2 | BDE | 2 |
| | CHEM MPE3 | MPE | 3 | | | | |
| | CHEM MPE4 | MPE | 3 | | | | |
| | NTU-FST Prescribed Elective | BDE | 3 | | | | |
| | NTU-FST Prescribed Elective | BDE | 3 | | | | |
| | | | 18 | | | | 12 |
| | | | | Total (AU) | | | 139 |

This study plan is meant as a guide.

[&] CM3xxx refers to CM3011, CM3021, CM3031, CM3041 - These courses are offered in both semesters

| BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS) | | | | | | | |
|---|--|-------------------------------|----------------|-------------------|------------------------|--|----------|
| AY2022 - 2023 Intake onwards with Professional Internship and FYP | | | | | | | |
| Programme | Year of Study | Number of Academic Units (AU) | | | | | Total |
| | | Major Requirement | | Interdisciplinary | | Broadening and Deepening Electives (BDE) | |
| | | Core (C) | Major PE (MPE) | Common Core (CC) | Foundational Core (FC) | | |
| Chemistry and Biological Chemistry | 1 | 20 | | 11 | | | 31 |
| | 2 | 18 | | 6 | 3 | 14 | 41 |
| | 3 | 18 | 6 | | 2 | 16 | 42 |
| | 4 | | 16 | | 10 | | 26 |
| | Total | 56 | 22 | 17 | 15 | 30 | 140 |
| BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (FST) | | | | | | | |
| Category | | | | | | AU | Total AU |
| Interdisciplinary Collaborative Core (ICC) | Common Core (University-level) | | | | | | |
| | CC0001 Inquiry and Communication in the Interdisciplinary World | | | | | 2 | 17 |
| | CC0002 Navigating the Digital World | | | | | 2 | |
| | CC0003 Ethics & Civics in a Multi-Cultural World | | | | | 2 | |
| | CC0005 Healthy Living & Wellbeing | | | | | 3 | |
| | CC0006 Sustainability: Society, Economy & Environment | | | | | 3 | |
| | CC0007 Science & Technology for Humanity | | | | | 3 | |
| | ML0004 Career and Entrepreneurial Development for the Future World | | | | | 2 | |
| | Foundational Core (College-level) | | | | | | |
| | HW0218 Communication Across the Sciences | | | | | 2 | 15 |
| PS0002 Introduction to Data Science and Artificial Intelligence | | | | | 3 | | |
| CM4081 Professional Internship | | | | | 10 | | |
| Major Requirement | CHEM Core | | | | | | |
| | CM1001 Foundations of Chemistry I | | | | | 4 | 56 |
| | CM1002 Foundations of Chemistry II | | | | | 4 | |
| | MH1802 Calculus for the Sciences | | | | | 4 | |
| | MH1804 Mathematics for Chemistry | | | | | 2 | |
| | PH1801 Foundations of Physics I | | | | | 3 | |
| | CM2021 Inorganic and Bioinorganic Chemistry | | | | | 3 | |
| | CM2011 Analytical Chemistry | | | | | 3 | |
| | CM2061 Chemistry & Biological Chemistry Laboratory 1 | | | | | 3 | |
| | PS0001 Introduction to Computational Thinking | | | | | 3 | |
| | CM2031 Organic and Bioorganic Chemistry | | | | | 3 | |
| | CM2041 Physical and Biophysical Chemistry 1 | | | | | 3 | |
| | CM2062 Chemistry & Biological Chemistry Laboratory 2 | | | | | 3 | |
| | CM3011 ^{&} Chemical Spectroscopy and Applications | | | | | 3 | |
| | CM3041 ^{&} Physical and Biophysical Chemistry 2 | | | | | 3 | |
| | CM3062 Chemistry & Biological Chemistry Laboratory 4 | | | | | 3 | |
| | CM3031 ^{&} Organic Reaction Mechanisms and Synthesis | | | | | 3 | |
| | CM3021 ^{&} Organometallic Chemistry | | | | | 3 | |
| | CM3061 Chemistry & Biological Chemistry Laboratory 3 | | | | | 3 | |
| | CHEM Major Prescribed Electives (MPE) | | | | | | |
| CM4080 Honours Project 1 | | | | | 10 | 22 | |
| 4 x MPEs | | | | | 12 | | |
| 2nd Major in Food Science and Technology (FST) | Food Science and Technology Compulsory Courses | | | | | | |
| | 1) CH5201 Food Chemistry | | | | | 5 | 30 |
| | 2) CH5200 Food Microbiology | | | | | 3 | |
| | 3) CH5203 Food Process Engineering | | | | | 5 | |
| | 4) CH5202 Food Physics | | | | | 3 | |
| | 5) CH5204 Quality Systems Operations | | | | | 2 | |
| 6) NTU-FST MPE x 4 | | | | | 12 | | |
| Total | | | | | | 140 | |

&CM3011, CM3021. CM3031, CM3041 are offered in both semesters.

BSc in Chemistry and Biological Chemistry with 2nd Major in Food Science and Technology (CHFS)
Suggested Study Plan for AY2022-2023 intake
with Professional Internship and FYP
Year 1 Semester 1

| Course | | Type | AU |
|--------|--|------|----|
| CM1001 | Foundations of Chemistry I | C | 4 |
| MH1802 | Calculus for the Sciences | C | 4 |
| CC0001 | Inquiry and Communication in the Interdisciplinary World | CC | 2 |
| CC0002 | Navigating the Digital World | CC | 2 |
| CC0005 | Healthy Living & Well-being | CC | 3 |
| HW0001 | Introduction to Academic Communication* | | |

15
**for students who have not cleared QET*
Year 2 Semester 1

| Course | | Type | AU |
|--------|--|------|----|
| CM2011 | Analytical and Bioanalytical Chemistry | C | 3 |
| CM2021 | Inorganic and Bioinorganic Chemistry | C | 3 |
| CM2061 | Chemistry & Biological Chemistry Laboratory 1 | C | 3 |
| PS0001 | Introduction to Computational Thinking | C | 3 |
| CC0006 | Sustainability: Society, Economy & Environment | CC | 3 |
| CH5201 | Food Chemistry | BDE | 5 |

20
Year 3 Semester 1

| Course | | Type | AU |
|-------------------------|---|------|----|
| CM3xxx ^{&} | CHEM-Core | C | 3 |
| CM3xxx ^{&} | CHEM-Core | C | 3 |
| CM3041 | Physical and Biophysical Chemistry 2 | C | 3 |
| CM3062 | Chemistry & Biological Chemistry Laboratory 4 | C | 3 |
| CH5203 | Food Process Engineering | BDE | 5 |
| | NTU-FST Prescribed Elective | BDE | 3 |

20
Year 4 Semester 1

| Course | | Type | AU |
|--------|-------------------------|------|----|
| CM4081 | Professional Internship | FC | 10 |

10
Year 1 Semester 2

| Course | | Type | AU |
|--------|---|------|----|
| CM1002 | Foundations of Chemistry II | C | 4 |
| MH1804 | Mathematics for Chemistry | C | 2 |
| PH1801 | Foundations of Physics I | C | 3 |
| CC0003 | Ethics & Civics in a Multi-Cultural World | CC | 2 |
| ML0004 | Career and Entrepreneurial Development for the Future World | CC | 2 |

13
Year 2 Semester 2

| Course | | Type | AU |
|--------|--|------|----|
| CM2031 | Organic and Bioorganic Chemistry | C | 3 |
| CM2041 | Physical and Biophysical Chemistry 1 | C | 3 |
| CM2062 | Chemistry & Biological Chemistry Laboratory 2 | C | 3 |
| PS0002 | Introduction to Data Science and Artificial Intelligence | FC | 3 |
| CC0007 | Science & Technology for Humanity | CC | 3 |
| CH5200 | Food Microbiology | BDE | 3 |
| | NTU-FST Prescribed Elective | BDE | 3 |

21
Year 3 Semester 2

| Course | | Type | AU |
|-------------------------|-----------------------------------|------|----|
| CM3xxx ^{&} | CHEM-Core | C | 3 |
| CM3xxx ^{&} | CHEM-Core | C | 3 |
| CH5202 | Food Physics | BDE | 3 |
| CH5204 | Quality Systems Operations | BDE | 2 |
| HW0218 | Communication Across the Sciences | FC | 2 |
| | NTU-FST Prescribed Elective | BDE | 3 |
| | NTU-FST Prescribed Elective | BDE | 3 |
| | CHEM MPE 1 | MPE | 3 |

22
Year 4 Semester 2

| Course | | Type | AU |
|--------|-------------------|------|----|
| CM4080 | Honours Project 1 | MPE | 10 |
| | CHEM MPE 2 | MPE | 3 |
| | CHEM MPE 3 | MPE | 3 |
| | CHEM MPE 4 | MPE | 3 |

19
Total (AU)
140
This study plan is meant as a guide.
[&] CM3xxx refers to CM3011, CM3021, CM3031, CM3041 - These courses are offered in both semesters