



| Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--------|---|--------|--|--------|--|--------|--|
| Term 1 | DESN1000 Engineering Design and Innovation | Term 1 | SOLA2060 Introduction to Electronic Devices | Term 1 | SOLA3507 Solar Cells | Term 1 | SOLA4951 Research Thesis A |
| | MATH1131 Mathematics 1A OR MATH1141 (Higher) Mathematics 1A | | MATH2089 Numerical Methods and Statistics | | Discipline Elective Course | | ELEC4122 Strategic Leadership and Ethics |
| | PHYS1121 Physics 1A OR PHYS1131 (Higher) Physics 1A | | General Education Course | | Strand Elective Course | | Discipline Elective Course |
| Term 2 | ENGG1811 Computing for Engineers OR COMP1511 Programming Fundamentals OR COMP1911 Computing 1A | Term 2 | SOLA2051 Project in Photovoltaics and Renewable Energy | Term 2 | SOLA3010 Low Energy Buildings and Photovoltaics | Term 2 | SOLA4952 Research Thesis B |
| | Free Elective Course | | MATH2018 Engineering Mathematics 2D | | SOLA3020 Photovoltaic Technology and Manufacturing | | SOLA4012 Photovoltaic Systems Design |
| | | | Strand Elective Course | | Discipline Elective Course | | SOLA5057 Energy Efficiency |
| Term 3 | MATS1101 Engineering Materials and Chemistry | Term 3 | DESN2000 Engineering Design and Professional Practice | Term 3 | Discipline Elective Course | Term 3 | SOLA4953 Research Thesis C |
| | PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B | | SOLA2540 Applied Photovoltaics | | Strand Elective Course | | General Education Course |
| | MATH1231 Higher Mathematics 1A | | | | | | Free Elective Course |

NOTES

Compulsory Training Component: There is a program requirement of 60 days approved [Industrial Training](#) ENGG4999

This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here.



| Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--------|---|--------|--|--------|--|--------|--|
| Term 2 | MATH1131 Mathematics 1A | Term 2 | SOLA2051 Project in Photovoltaics and Renewable Energy | Term 2 | SOLA3010 Low Energy Buildings and Photovoltaics | Term 2 | SOLA4951 Research Thesis A |
| | PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A | | MATH2018 Engineering Mathematics 2D | | SOLA3020 Photovoltaic Technology and Manufacturing | | SOLA4012 Photovoltaic Systems Design |
| | ENGG1811 Computing for Engineers <u>OR</u> COMP1511 Programming Fundamentals <u>OR</u> COMP1911 Computing 1A | | General Education Course | | Strand Elective Course | | SOLA5057 Energy Efficiency |
| Term 3 | MATS1101 Engineering Materials and Chemistry | Term 3 | DESN2000 Engineering Design and Professional Practice | Term 3 | Strand Elective Course | Term 3 | SOLA4952 Research Thesis B |
| | DESN1000 Engineering Design and Innovation | | SOLA2540 Applied Photovoltaics | | Discipline Elective Course | | Discipline Elective Course |
| | Free Elective Course | | Strand Elective Course | | Discipline Elective Course | | General Education Course |
| Term 1 | PHYS1221 Physics 1B <u>OR</u> PHYS1231 Higher Physics 1B | Term 1 | SOLA2060 Introduction to Electronic Devices | Term 1 | SOLA3507 Solar Cells | Term 1 | SOLA4953 Research Thesis C |
| | MATH1231 Mathematics 1A <u>OR</u> MATH1241 Higher Mathematics 1A | | MATH2089 Numerical Methods and Statistics | | Discipline Elective Course | | ELEC4122 Strategic Leadership and Ethics |
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| Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--------|---|--------|--|--------|--|--------|--|
| Term 3 | MATS1101 Engineering Materials and Chemistry | Term 3 | DESN2000 Engineering Design and Professional Practice | Term 3 | Discipline Elective Course | Term 3 | SOLA4951 Research Thesis A |
| | PHYS1121 Physics 1 A OR PHYS1131 Higher Physics 1A | | MATH2089 Numerical Methods and Statistics | | Discipline Elective Course | | Discipline Elective Course |
| | MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A | | Free Elective Course | | Strand Elective Course | | General Education Course |
| Term 1 | PHYS1221 Physics 1B OR PHYS1231 Higher Physics 1B | Term 1 | SOLA2060 Introduction to Electronic Devices | Term 1 | SOLA3507 Solar Cells | Term 1 | SOLA4952 Research Thesis B |
| | DESN1000 Engineering Design and Innovation | | SOLA2540 Applied Photovoltaics | | Discipline Elective Course | | ELEC4122 Strategic Leadership and Ethics |
| | MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B | | MATH2019 Engineering Mathematics 2E OR MATH2018 Engineering Mathematics 2D | | Strand Elective Course | | Free Elective Course |
| Term 2 | ENGG1811 Computing for Engineers OR COMP1511 Programming Fundamentals OR COMP1911 Computing 1A | Term 2 | General Education Course | Term 2 | SOLA3010 Low Energy Buildings and Photovoltaics | Term 2 | SOLA4953 Research Thesis C |
| | SOLA2051 Project in Photovoltaics and Renewable Energy | | Strand Elective Course | | SOLA3020 Photovoltaic Technology and Manufacturing | | SOLA4012 Photovoltaic Systems Design |
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