

Engineering Bachelor of Engineering (Honours) (3707)

Surveying (GMATDH)

T1 Entry 2024 Sample Plan



UNSW
SYDNEY

| Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--------|---|--------|--|--------|--|--------|--|
| Term 1 | DESN1000 Engineering Design and Innovation | Term 1 | GMAT2500 Surveying Computations A | Term 1 | GMAT3100 Surveying & Application Design | Term 1 | CVEN4951 (4 UoC) Research Thesis A [^] |
| | PHYS1121 Physics 1A OR PHYS1131 Higher Physics 1A | | ENGG2500 Fluid Mechanics for Engineers | | GMAT3150 Field Projects 1 | | CVEN3501 Water Resources Engineering |
| | MATH1131 Mathematics 1A OR MATH1141 Higher Mathematics 1A | | MATH2018 Engineering Mathematics 2D OR MATH2019 Mathematics 2D (2E) | | GMAT3220 Geospatial Information Systems | | Discipline Elective Course |
| Term 2 | MATH1231 Mathematics 1B OR MATH1241 Higher Mathematics 1B | Term 2 | DESN2000 Engineering Design and Professional Practice | Term 2 | GMAT3700 Geodetic Positioning & Applications | Term 2 | CVEN4952 (4 UoC) Research Thesis B [^] |
| | Free Elective Course | | CVEN2002 Engineering Computations | | Free Elective Course | | Discipline Elective Course* |
| | GMAT1110 Surveying and Geospatial Engineering | | GMAT2700 Foundations of Geodesy & Geospatial Ref Frames | | | | General Education Cours |
| Term 3 | General Education Course | Term 3 | GMAT2120 Surveying and Geospatial Technology | Term 3 | GMAT3420 Cadastral Surveying & Land Law | Term 3 | Discipline Elective Course* |
| | ENGG1811 Computing for Engineers | | GMAT2550 Surveying Computations B | | CVEN3101 Engineering Operations and Control | | GMAT4150 Field Projects 2 |
| | | | | | GMAT3500 Remote Sensing & Photogram | | CVEN4953 (4 UoC) Research Thesis C [^] |

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| NOTES | Compulsory Training Component: There is a program requirement of 60 days approved Industrial Training ENGG4999 |
| | [^] Only required if students are choosing the Research Thesis stream. Otherwise, enrol into GMAT4060 AND GMAT4061. |
| | *Recommended Discipline Elective Courses: GMAT4400, GMAT4220. |
| | This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here. |

Engineering Bachelor of Engineering (Honours) (3707)

Surveying (GMATDH)

T2 Entry 2024 Sample Plan



UNSW
SYDNEY

| Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--------|---|--------|---|--------|--|--------|--|
| Term 2 | ENGG1811 Computing for Engineers | Term 2 | DESN2000 Engineering Design and Professional Practice | Term 2 | GMAT3700 Geodetic Positioning & Applications | Term 2 | CVEN4951 (4 UoC) Research Thesis A [^] |
| | GMAT1110 Surveying and Geospatial Engineering | | CVEN2002 Engineering Computations | | Free Elective Course | | Discipline Elective Course |
| | | | GMAT2700 Foundations of Geodesy & Geospatial Ref Frames | | | | General Education Course |
| Term 3 | DESN1000 Engineering Design and Innovation | Term 3 | GMAT2120 Surveying and Geospatial Technology | Term 3 | CVEN3101 Engineering Operations and Control | Term 3 | CVEN4952 (4 UoC) Research Thesis B [^] |
| | MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A | | GMAT2550 Surveying Computations B | | GMAT3500 Remote Sensing & Photogram | | GMAT4150 Field Projects 2 |
| | PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A | | | | GMAT3420 Cadastral Surveying & Land Law | | Discipline Elective Course |
| Term 1 | MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B | Term 1 | MATH2018 Engineering Mathematics 2D <u>OR</u> MATH2019 Mathematics 2D (2E) | Term 1 | GMAT3220 Geospatial Information Systems | Term 1 | CVEN3501 Water Resources Engineering |
| | GMAT2500 Surveying Computations A | | ENGG2500 Fluid Mechanics for Engineers | | GMAT3150 Field Projects 1 | | Discipline Elective Course |
| | General Education Course | | GMAT3100 Surveying & Application Design | | Free Elective Course | | CVEN4953 (4 UoC) Research Thesis C [^] |

NOTES

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

[^]Only required if students are choosing the Research Thesis stream. Otherwise, enrol into GMAT4060 AND GMAT4061.

*Recommended Discipline Elective Courses: GMAT4400, GMAT4220.

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Engineering Bachelor of Engineering (Honours) (3707)

Surveying (GMATDH)

T3 Entry 2024 Sample Plan



UNSW
SYDNEY

| Year 1 | | Year 2 | | Year 3 | | Year 4 | |
|--------|---|--------|--|--------|--|--------|---|
| Term 3 | MATH1131 Mathematics 1A <u>OR</u> MATH1141 Higher Mathematics 1A | Term 3 | GMAT2550 Surveying Computations B | Term 3 | GMAT2120 Surveying and Geospatial Technology | Term 3 | CVEN4951 (4 UoC) Research Thesis A ^ |
| | DESN1000 Engineering Design and Innovation | | CVEN3101 Engineering Operations and Control | | GMAT3420 Cadastral Surveying & Land Law | | GMAT4150 Field Projects 2 |
| | PHYS1121 Physics 1A <u>OR</u> PHYS1131 Higher Physics 1A | | General Education Course | | GMAT3500 Remote Sensing & Photogram | | Free Elective Course |
| Term 1 | MATH1231 Mathematics 1B <u>OR</u> MATH1241 Higher Mathematics 1B | Term 1 | GMAT2500 Surveying Computations A | Term 1 | GMAT3220 Geospatial Information Systems | Term 1 | CVEN4952 (4 UoC) Research Thesis B ^ <u>OR</u> Discipline Elective Course |
| | ENGG1811 Computing for Engineers | | MATH2018 Engineering Mathematics 2D <u>OR</u> MATH2019 Mathematics 2D (2E) | | GMAT3150 Field Projects 1 | | CVEN3501 Water Resources Engineering |
| | Free Elective Course | | ENGG2500 Fluid Mechanics for Engineers | | GMAT3100 Surveying & Application Design | | General Education Course |
| Term 2 | GMAT1110 Surveying and Geospatial Engineering | Term 2 | GMAT2700 Foundations of Geodesy & Geospatial Ref Frames | Term 2 | GMAT3700 Geodetic Positioning & Applications | Term 2 | CVEN4953 (4 UoC) Research Thesis C ^ |
| | CVEN2002 Engineering Computations | | DESN2000 Engineering Design and Professional Practice | | Discipline Elective Course | | Discipline Elective Course |
| | | | | | | | |

NOTES

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

^Only required if students are choosing the Research Thesis stream. Otherwise, enrol into GMAT4060 AND GMAT4061.

*Recommended Discipline Elective Courses: GMAT4400, GMAT4220.

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