Engineering

# Engineering Science (Masters) (8338)

## Nuclear Engineering (ENGGFS)

## T1 Entry Sample Plan 2025

| Year 1 | |
|---|---|
| Term 1 | **ENGG9743**<br>Fuel Cycle, Waste & Life Cycle |
| | **Foundational Core** |
| | **Foundational Core** |
| Term 2 | **ENGG9744**<br>Nuclear Safety, Security and Safeguards |
| | **MINE8930**<br>Uranium mining fundamentals |
| | |
| Term 3 | **ENGG9741** Introduction to Nuclear Eng OR<br>**YENG9741** Nuclear Power Engineering |
| | **ENGG9742** Reactor Physics for Engineers OR **YENG9742**<br>Nuclear Reactor Theory/Design |
| | **Foundational Core** |

| Year 2 | |
|---|---|
| Term 1 | **MMAN9451**<br>Masters Project A |
| | **GSOE9010** OR **GSOE9011**<br>Engineering Postgraduate Coursework Research Skills |
| | **Foundational Core** |
| Term 2 | **MMAN9452**<br>Masters Project B |
| | **Engineering Technical Management** |
| | **Engineering Technical Management** |
| Term 3 | **MMAN9453**<br>Masters Project C |
| | **Engineering Technical Management** |
| | **Engineering Technical Management** |

| NOTES | |
|---|---|
| | This is intended as a guide only. Courses do not need to be studied in the exact structure that they appear here. Please see the handbook for details regarding each specialisation, its structure and subject term offerings. You can find your program requirements in the UNSW Handbook, or alternatively your Progression Checksheet will give you an overview of your program.<br>*If students wish to take the Masters Practice Project, CVEN9050 and CVEN9051, they should not enroll in CVEN9451/CVEN9452/CVEN9453 |

Engineering

# Engineering Science (Masters) (8338)

## Nuclear Engineering (ENGGFS)

## T2 Entry Sample Plan 2025

| Year 1 | |
|---|---|
| Term 2 | **ENGG9744**<br>Nuclear Safety, Security and Safeguards |
| | **MINE8930**<br>Uranium mining fundamentals |
| | **Foundational Core** |
| Term 3 | **ENGG9741** Introduction to Nuclear Eng OR<br>**YENG9741** Nuclear Power Engineering |
| | **ENGG9742** Reactor Physics for Engineers OR **YENG9742**<br>Nuclear Reactor Theory/Design |
| | **Foundational Core** |
| Term 1 | **ENGG9743**<br>Fuel Cycle, Waste & Life Cycle |
| | **Foundational Core** |
| | |

| Year 2 | |
|---|---|
| Term 2 | **MMAN9451**<br>Masters Project A |
| | **Foundational Core** |
| | **Engineering Technical Management** |
| Term 3 | **MMAN9452**<br>Masters Project B |
| | **GSOE9010** OR **GSOE9011**<br>Engineering Postgraduate Coursework Research Skills |
| | **Engineering Technical Management** |
| Term 1 | **MMAN9453**<br>Masters Project C |
| | **Engineering Technical Management** |
| | **Engineering Technical Management** |

| NOTES | |
|---|---|
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Engineering

# Engineering Science (Masters) (8338)

## Nuclear Engineering (ENGGFS)

## T3 Entry Sample Plan 2025

| Year 1 | |
|---|---|
| Term 3 | **ENGG9741** Introduction to Nuclear Eng OR **YENG9741** Nuclear Power Engineering |
| | **ENGG9742** Reactor Physics for Engineers OR **YENG9742** Nuclear Reactor Theory/Design |
| | **Foundational Core** |
| Term 1 | **ENGG9743** Fuel Cycle, Waste & Life Cycle |
| | **Foundational Core** |
| | **Foundational Core** |
| Term 2 | **ENGG9744** Nuclear Safety, Security and Safeguards |
| | **MINE8930** Uranium mining fundamentals |
| | |

| Year 2 | |
|---|---|
| Term 3 | **MMAN9451** Masters Project A |
| | **GSOE9010** OR **GSOE9011** Engineering Postgraduate Coursework Research Skills |
| | **Engineering Technical Management** |
| Term 1 | **MMAN9452** Masters Project B |
| | **Foundational Core** |
| | **Engineering Technical Management** |
| Term 2 | **MMAN9453** Masters Project C |
| | **Engineering Technical Management** |
| | **Engineering Technical Management** |

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|---|---|
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Engineering

# Engineering Science (Masters)

## 24 UoC RPL / 48 UoC RPL

### 24 UoC of RPL

| Year 1 | | Year 2 | |
|---|---|---|---|
| Term 1 | **Engineering Course** (6 UoC) | Term 1 | **Thesis C** (4 UoC) |
| | **Engineering Course** (6 UoC) | | **Engineering Course** (6 UoC) |
| | **Engineering Course** (6 UoC) | | **Engineering Course** (6 UoC) |
| Term 2 | **Engineering Course** (6 UoC) | Term 2 | |
| | **Engineering Course** (6 UoC) | | |
| | **Thesis A** (4 UoC or 6 UoC) | | |
| Term 3 | **Thesis B** (4 UoC or 6 UoC) | Term 3 | |
| | **Engineering Course** (6 UoC) | | |
| | **Engineering Course** (6 UoC) | | |

### 48 UoC of RPL

| Year 1 | | Year 2 | |
|---|---|---|---|
| Term 1 | **Thesis A** (4 UoC or 6 UoC) | Term 1 | |
| | **Engineering Course** (6 UoC) | | |
| | **Engineering Course** (6 UoC) | | |
| Term 2 | **Thesis B** (4 UoC or 6 UoC) | Term 2 | |
| | **Engineering Course** (6 UoC) | | |
| | **Engineering Course** (6 UoC) | | |
| Term 3 | **Thesis C** (4 UoC) | Term 3 | |
| | **Engineering Course** (6 UoC) | | |
| | **Engineering Course** (6 UoC) | | |

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