# 2 Year (96 points) Course Study Plan – Commencing

# Semester 1, 2024

Students who have completed degree studies in a non-cognate area, or equivalent as recognised by the School, must complete relevant conversion units up to the value of 24 points as determined by the School upon offer of admission and by the scope of a student’s prior study.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year 1** | | | | |
| Semester 1  (2024) | GENG2003  Fluid Mechanics | GENG2004  Solid Mechanics | GENG2009  Principles of Geomechanics | OCEN5002 (NS)  Ocean Engineering and Technology |
| Semester 2  (2024) | GENG2012  Data Collection and Analysis  Prerequisites: MATH1012, CITS2401 | OCEN4008 (NS)  Physical Oceanography  Prerequisites: GENG2003 or GENG2010 | Option Unit | Option Unit |
| **Year 2** | | | | |
| Semester 1  (2025) | GENG5501  Coastal and Offshore Engineering  Prerequisites: GENG2003 or GENG2010 | OCEN4010 (NS)  Ocean Observational Methods and Modelling  Prerequisites: GENG2012 | Option Unit or OCEN54112 | Option Unit |
| Semester 2  (2025) | OCEN50041  Design of Coastal Structures  Prerequisites: GENG5501 | OCEN50051  Advanced Design of Offshore Systems  Prerequisites: GENG5501 | Option Unit of OCEN54122 | Option Unit |

**KEY:** green shading = conversion units; blue shading = core units, white shading = option unit, NS = unit is delivered during a non-standard teaching period.

**Notes: 1.** OCEN5004 and OCEN5005 are capstone design units.

**2.** OCEN5411/12 Offshore and Coastal Engineering Research Project Part 1/2 are optional, if chosen, both must be taken. Refer to Options Units overleaf.

# 1.5 Year (72 points) Course Study Plan – Commencing

# Semester 1, 2024

Students who have completed degree studies in a cognate area, who are not required to complete the conversion units.

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| --- | --- | --- | --- | --- |
| **Year 1** | | | | |
| Semester 1  (2024) | GENG5501  Coastal and Offshore Engineering  Prerequisites: GENG2003 or GENG2010 | OCEN4010 (NS)  Ocean Observational Methods and Modelling  Prerequisites: GENG2012 | OCEN5002 (NS)  Ocean Engineering and Technology | Option Unit |
| Semester 2  (2024) | OCEN5004  Design of Coastal Structures  Prerequisites: GENG5501 | OCEN5005  Advanced Design of Offshore Systems  Prerequisites: GENG5501 | OCEN4008 (NS)  Physical Oceanography  Prerequisites: GENG2003 or GENG2010 | Option Unit or OCEN54112 |
| **Year 2** | | | | |
| Semester 1  (2025) | Option Unit | Option Unit | Option Unit | Option Unit or OCEN54122 |

**KEY:** green shading = conversion units; blue shading = core units, white shading = option unit, NS = unit is delivered during a non-standard teaching period.

**Notes: 1.** OCEN5004 and OCEN5005 are capstone design units.

**2.** OCEN5411/12 Offshore and Coastal Engineering Research Project Part 1/2 are optional, if chosen, both must be taken. Refer to Options Units overleaf.

# 2 Year (96 points) Course Study Plan

# Commencing in Semester 2, 2024

Students who have completed degree studies in a non-cognate area, or equivalent as recognised by the School, must complete relevant conversion units up to the value of 24 points as determined by the School upon offer of admission and by the scope of a student’s prior study.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year 1** | | | | |
| Semester 2  (2024) | GENG2010  Principles of Hydraulics | GENG2012  Data Collection and Analysis | Option Unit | Option Unit |
| Semester 1  (2025) | GENG2004  Solid Mechanics | GENG2009  Principles of Geomechanics | GENG5501  Coastal and Offshore Engineering  Prerequisites: GENG2003 or GENG2010 | OCEN4010 (NS)  Ocean Observational Methods and Modelling  Prerequisites: GENG2012 |
| **Year 2** | | | | |
| Semester 2  (2025) | OCEN5004  Design of Coastal Structures  Prerequisites: GENG5501 | OCEN5005  Advanced Design of Offshore Systems  Prerequisites: GENG5501 | OCEN4008 (NS)  Physical Oceanography  Prerequisites: GENG2003 or GENG2010 | Option Unit or OCEN54112 |
| Semester 1  (2026) | OCEN5002 (NS)  Ocean Engineering and Technology | Option Unit | Option Unit | Option Unit or OCEN54122 |

**KEY:** green shading = conversion units; blue shading = core units, white shading = option unit, NS = unit is delivered during a non-standard teaching period.

**Notes: 1.** OCEN5004 and OCEN5005 are capstone design units.

**2.** OCEN5411/12 Offshore and Coastal Engineering Research Project Part 1/2 are optional, if chosen, both must be taken. Refer to Options Units overleaf.

# 1.5 Year (72 points) Course Study Plan – Commencing

# Semester 1, 2024

Students who have completed degree studies in a cognate area, who are not required to complete the conversion units.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year 1** | | | | |
| Semester 2  (2024) | OCEN4008 (NS)  Physical Oceanography  Prerequisites: GENG2003 or GENG2010 | Option Unit | Option Unit | Option Unit |
| Semester 1  (2025) | GENG5501  Coastal and Offshore Engineering  Prerequisites: GENG2003 or GENG2010 | OCEN4010 (NS)  Ocean Observational Methods and Modelling  Prerequisites: GENG2012 | OCEN5002 (NS)  Ocean Engineering and Technology | Option Unit or OCEN54112 |
| **Year 2** | | | | |
| Semester 2  (2025) | OCEN5004  Design of Coastal Structures  Prerequisites: GENG5501 | OCEN5005  Advanced Design of Offshore Systems  Prerequisites: GENG5501 | Option Unit | Option Unit or OCEN54122 |

**KEY:** green shading = conversion units; blue shading = core units, white shading = option unit, NS = unit is delivered during a non-standard teaching period.

**Notes: 1.** OCEN5004 and OCEN5005 are capstone design units.

**2.** OCEN5411/12 Offshore and Coastal Engineering Research Project Part 1/2 are optional, if chosen, both must be taken. Refer to Options Units overleaf.

**OPTION UNITS**

|  |  |
| --- | --- |
| **Optional Units:** Students take units to the value of 24 points from this group including at least one level 5 unit: | |
| **CIVL4401 Applied Geomechanics** (S1) | **GEOS4413 Climate Geoscience** (NS) |
| **CIVL5501 Structural Dynamics** (S2) | **GEOS5514 Marine Geoscience** (NS) |
| **CIVL5504 Offshore Geomechanics** (NA in 2024)  Prereq: CIVL4401 | **GEOS5515 Coastal Dynamics** (S1)  Prereq: Successful completion of EART4415 |
| **EART4415 Coastal Hazards and Adaption** (NS) |  |
| **ENVT4411 Geographic Information Systems Application** \* | **OCEN4007 Renewable Ocean Energy** (S2) |
| **ENVT5502 Marine and Coastal Planning and Management** (NA)  Prereq: SCIE4402 or completed 12 points of Level 4 or equivalent or higher, or approval of unit coordinator | **OCEN5411 Offshore and Coastal Engineering Research Project Part 1 \*** |
| **GENG5505 Project Management and Engineering Practice** \* | **OCEN5412 Offshore and Coastal Engineering Research Project Part 2 \*** |
| **GENG5507 Risk, Reliability and Safety** \* | **SCIE5505 Global Change and the Marine Environment** (S1) |

**KEY: \* =** unit is available in Semester 1 and Semester 2; N/A = unit is not available for 2024; NS = unit is delivered during a non-standard teaching period

**Note:** OCEN5411/12 Offshore and Coastal Engineering Research Project Part 1/2 are optional, if chosen, both must be taken.

Refer to the UniStart website for your step-by-step guide on planning your enrolment: [uwa.edu.au/unistart.](https://www.uwa.edu.au/unistart)

If you need to discuss your study plan further, please contact the EMS Student Service and Engagement Office , located in [EZONE North Building](https://www.uwa.edu.au/contact-us/campus-map?id=1869).