The Level 1, 2 and 3 prerequisites listed below apply to students undertaking preparatory units in the 2-3 year MPE. Students enrolling in the 2-year MPE with 48 points block credit have already satisfied the Level 1, 2 and 3 prerequisites. Level 4 and 5 prerequisites apply to all students.

| Year 1 | Semester 2 2015 | CIVL4403 Structural Concrete  
Prereq: ENSC3004 | GENG4405 Numerical Methods and Modelling  
Prereq: MATH1002 & CITS2401 | GENG5505 Project Management and Engineering Practice  
Prereq: ENSC1001 | OPTION |
| --- | --- | --- | --- | --- | --- |
| Semester 1 2016 | CIVL4401 Applied Geomechanics  
Prereq: ENSC3009 | CIVL4402 * Civil Hydraulics  
Prereq: ENSC3010 (or ENSC3003) | CIVL4404 Structural Steel  
Prereq: ENSC3004 | OPTION |
| Semester 2 2016 | GENG5511 Engineering Research Project Part 1  
Prereq: Completion of 36 points L4/L5 units | GENG5507 Risk, Reliability and Safety  
Prereq: MATH1001 & MATH1002 | CIVL5511 Civil Engineering Design Project 1  
Prereq: MATH1002, ENSC3009 & ENSC3010  
Coreq: GENG5505 | OPTION |
| Semester 1 2017 | GENG5512 Engineering Research Project Part 2  
Prereq: GENG5511 | GENG5514 Finite Element Methods  
Prereq: GENG4405 | CIVL5552 Civil Engineering Design Project 2  
Prereq: MATH1002, ENSC3008, CIVL4403  
& CIVL4404  
Coreq: GENG5505 | OPTION |

It is recommended students undertake some practical work experience during the summer break to satisfy the GENG5000 Professional Practicum requirement.

Note: Students are required to complete at least 12 weeks’ practical experience in an engineering environment as approved by the Faculty. For more information, see: [http://www.ecm.uwa.edu.au/students/professional-practicum](http://www.ecm.uwa.edu.au/students/professional-practicum).
### Select four units from Group A Options | Prerequisites
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CIVL5501 Structural Dynamics (Sem-2) | ENSC3004
CIVL5502 Transportation Engineering (Sem-1) | ENSC1001 & MATH1001
CIVL5503 Underground Construction (NS Sem-1) * | CIVL4401
CIVL5504 Offshore Geomechanics (NS Sem-2) * | CIVL4401
CIVL5505 Introduction to Design of Offshore Systems (Sem-2) | None
ENVE4402 Hydrology (Sem-1) | MATH1002
GENG5501 Coastal and Offshore Engineering (Sem-1) | ENSC3003 or ENSC3010
GENG5502 Environmental Geotechnics (Sem-2) | ENSC3009
GENG5515 Interdisciplinary Design Project (Sem-2) This unit is available to students by invitation only and special approval is required. | Completion of 24 points L4/L5 units

* This unit is offered in a non-standard teaching period – check online unit description and timetable website for more information.

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Information in this study guide is correct as at 7 May 2015, but is subject to change from time to time. In particular, the University reserves the right to change the unit availability and unit rules. Information about unit availability should be checked at the beginning of each semester and can be found at Timetables: [http://www.timetable.uwa.edu.au/](http://www.timetable.uwa.edu.au/), Handbooks: [http://handbooks.uwa.edu.au/](http://handbooks.uwa.edu.au/) or Study Guides: [http://www.ecm.uwa.edu.au/students/study-guides](http://www.ecm.uwa.edu.au/students/study-guides). The Rules for the MPE can be found at [http://handbooks.uwa.edu.au/courses](http://handbooks.uwa.edu.au/courses).