

Master of Engineering Practice (MEPR) - MEngPrac

Admission requirements

To be eligible for admission to the program, candidates:

- must possess an appropriate three-year Bachelor of Engineering Science degree awarded by an Australian university, or an equivalent qualification awarded by an Australian or overseas institution, or be a Technologist Member of Engineers Australia
- must be able to demonstrate that they have at least five years of relevant experience in the Engineering industry. Candidates are required to provide a Curriculum Vitae (CV) to demonstrate their industry experience
- must be an Australian citizen or permanent resident of Australia, or a citizen of New Zealand or the holder of a 457 visa with a duration of at least three years. Note: This program is not available to international students.

The standing of degrees awarded by an overseas institution will be determined by reference to the Sydney Accord, of which Engineers Australia (EA) is a signatory, and Australia Education International (AEI) which is a federal government agency.

Prospective students are encouraged to talk to the Faculty of Health, Engineering and Sciences before completing an application form.

All students are required to satisfy the applicable [English language requirements](#).

If you do not meet the English language requirements you may apply to study a University-approved [English language program](#). On successful completion of the English language program, you may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of your higher education and you as a student pay a [student contribution amount](#), which varies depending on the courses undertaken. You are able to calculate the fees for a particular course via the [Course Fee Finder](#). Commonwealth Supported students may be eligible to defer their fees through a Government loan called [HECS-HELP](#).

ENG8300 Self-assessment Portfolio

The course [ENG8300 Self-Assessment Portfolio](#) is the first course students undertake in the program and it is designed to enable them to firstly assess their existing attributes and capabilities and then to nominate the specific workplace experiences they will use to demonstrate their level of competency in the courses: [ENG8311 Workplace Portfolio](#) and [ENG8308 Industry Project](#). Students will also nominate the Academic courses they will undertake in the program to enable them to satisfy other attribute and capability requirements. It may also be necessary for them to identify some specific types of industrial experience they need to undertake to be able to satisfy any remaining requirements. The outcome of this self-assessment process will be a Pathway to Graduation Plan prepared by the student in consultation with the examiner of the course.

A second component of this course will require students to show that they can write a Career Episode Report that demonstrates their achievement of two of the specified attributes and capabilities. To do this successfully students will have to demonstrate they are able to accurately reflect on their experience and that they have the communication skills that are necessary to write such a report. The information in a Career Episode Report must be verified and endorsed by a professional engineer who is preferably a member of Engineers Australia. Achievement of this component of the course is critical because students will use Career Episode Reports to demonstrate Engineers Australia's Stage 2 and discipline specific competencies in the Workplace Portfolio and Industry Project courses.

At the end of this course students will submit a portfolio containing their Curriculum Vitae, the Career Episode Reports and the Pathway to Graduation Plan. The Examiner of the course will assess the portfolio and either:

- (1) Approve the Pathway to Graduation Plan
- (2) Request modifications to the Plan before it is approved, or
- (3) Decide that the student does not have the required knowledge, experience, attributes or capabilities to be able to satisfactorily complete the program. In this case the student will be cancelled from this program and counselled on alternative ways of achieving their goals. Students in this category may still be awarded a passing grade in the course. If a student has passed this course, they will then be granted an exemption when they enrol in another program in the area of Engineering and Built Environment.

Once a Pathway to Graduation Plan has been approved a student may enrol in the remaining courses in the Plan. The Plan will, in due course, be used by the Faculty to assess the student's eligibility to graduate.

Prospective students should visit the Engineers Australia web site to gain an understanding of the processes which will be followed. In particular, they should view the Stage Two Competencies and the guidelines for achieving Chartered status.

The Workplace Portfolio and Industry Project courses

The Workplace Portfolio course and the Industry Project course are designed to enable students to develop Portfolios that will enable them to obtain credit for their achievements during their employment as an Engineering Technologist. The courses are:

- [ENG8311 Workplace Portfolio](#) (2 units)
- [ENG8308 Industry Project](#) (2 units).

The core course [ENM1600 Engineering Mathematics](#) is designed to give students the enabling skills in mathematics and problem solving needed to undertake the Technical courses in their program. Students who have completed courses, or an equivalent course, as part of an earlier completed program of study should apply for an exemption.

Schedule B: Five technical courses

During the preparation of their Pathway to Graduation Plan students must nominate how they are going to demonstrate achievement of the objectives of each of the **Technical Courses** defined for their specialisation and listed in this Schedule. They may do this by studying a course or by demonstrating achievement of the objectives of the course in their Workplace Portfolio. A student may study a maximum of **fi**

Schedule C: One Practice Course

Students must complete the practice course allocated in the recommended enrolment pattern for their major (0 units).

Program completion requirements

To be eligible to graduate students must complete, or have credited to the program, at least six units of USQ courses and have met the requirements of the core, technical and practice courses.

Required time limits

The standard duration is six semesters of part-time study. Full-time students have a maximum of three years to complete this program. Part-time students have a maximum of four years to complete this program.

Specialisation

The specialisation study provides students with knowledge and skills in a specific discipline. The six specialisation study areas in the Master of Engineering Practice are:

- Civil Engineering
- Electrical and Electronic Engineering
- Environmental Engineering
- Mechanical Engineering
- Power Systems Engineering
- Structural Engineering

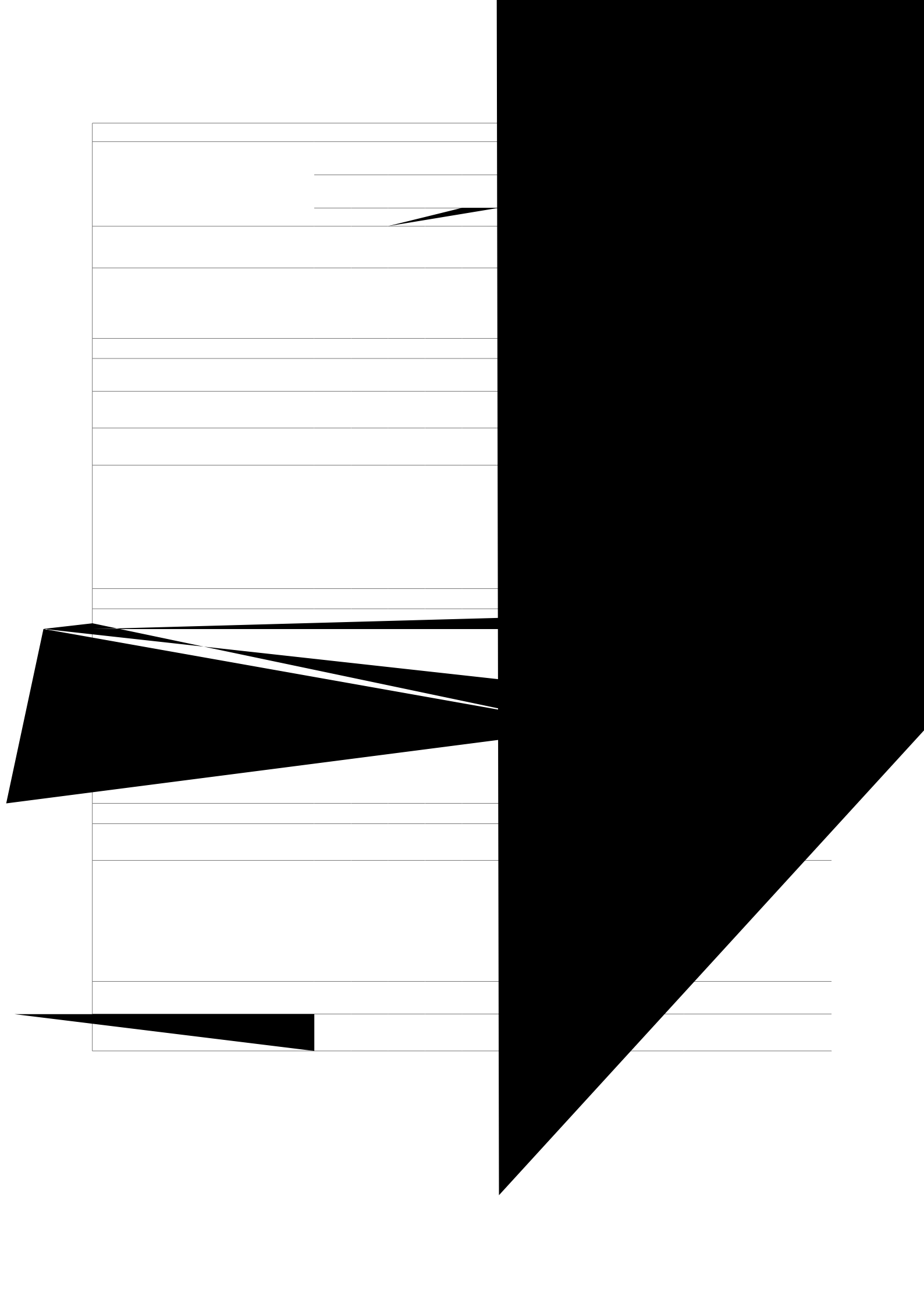
IT requirements

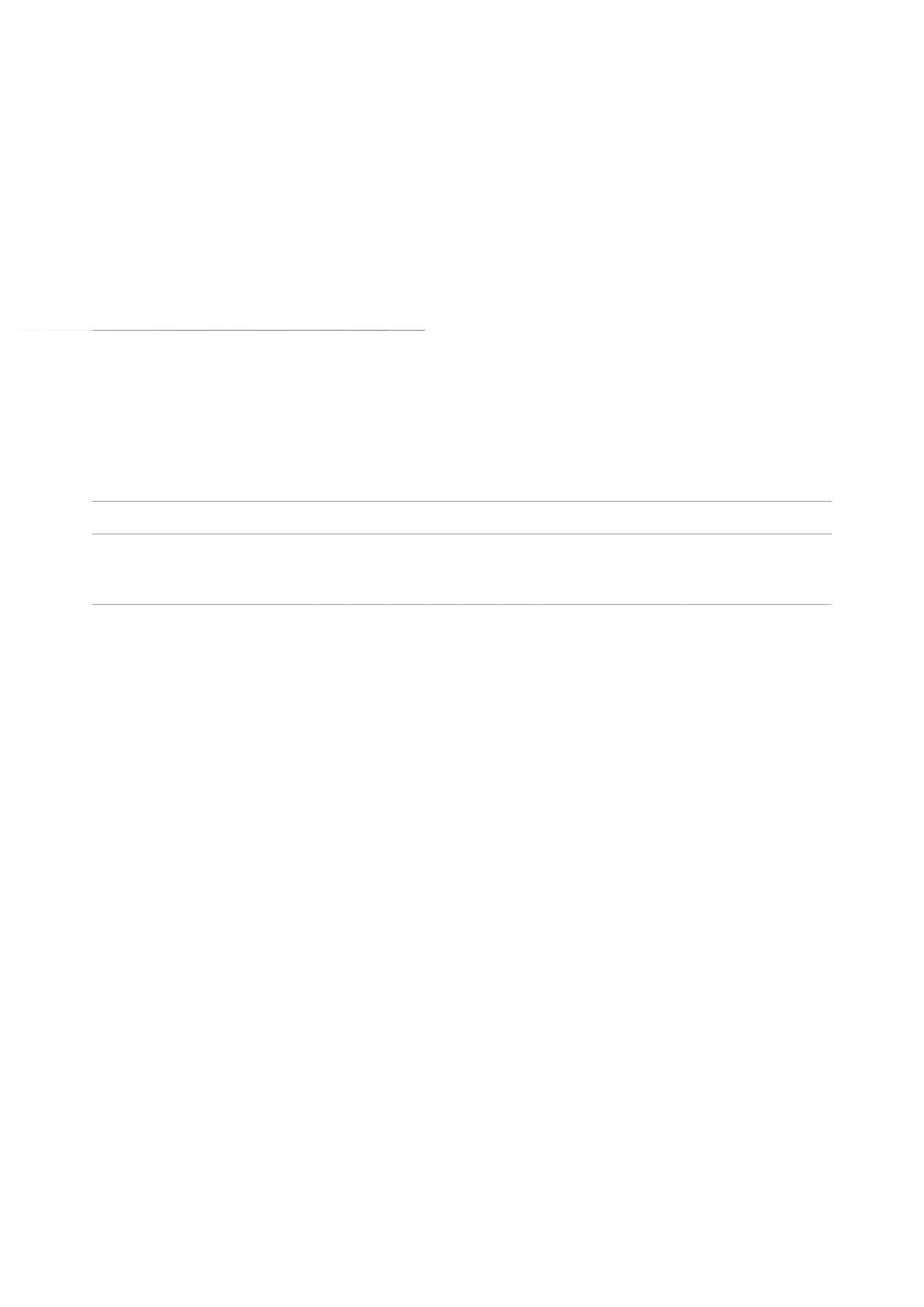
Access to an up-to-date computer is necessary. On-campus students can access appropriately equipped laboratories, but should consider acquisition of their own computer. External students should be able to access a computer with the following [minimum standards](#) as advised by the University. All students should have access to email and the Internet via a computer running the latest versions of Internet web browsers such as Internet Explorer or Firefox. The University has a wireless network for on-campus students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connecti

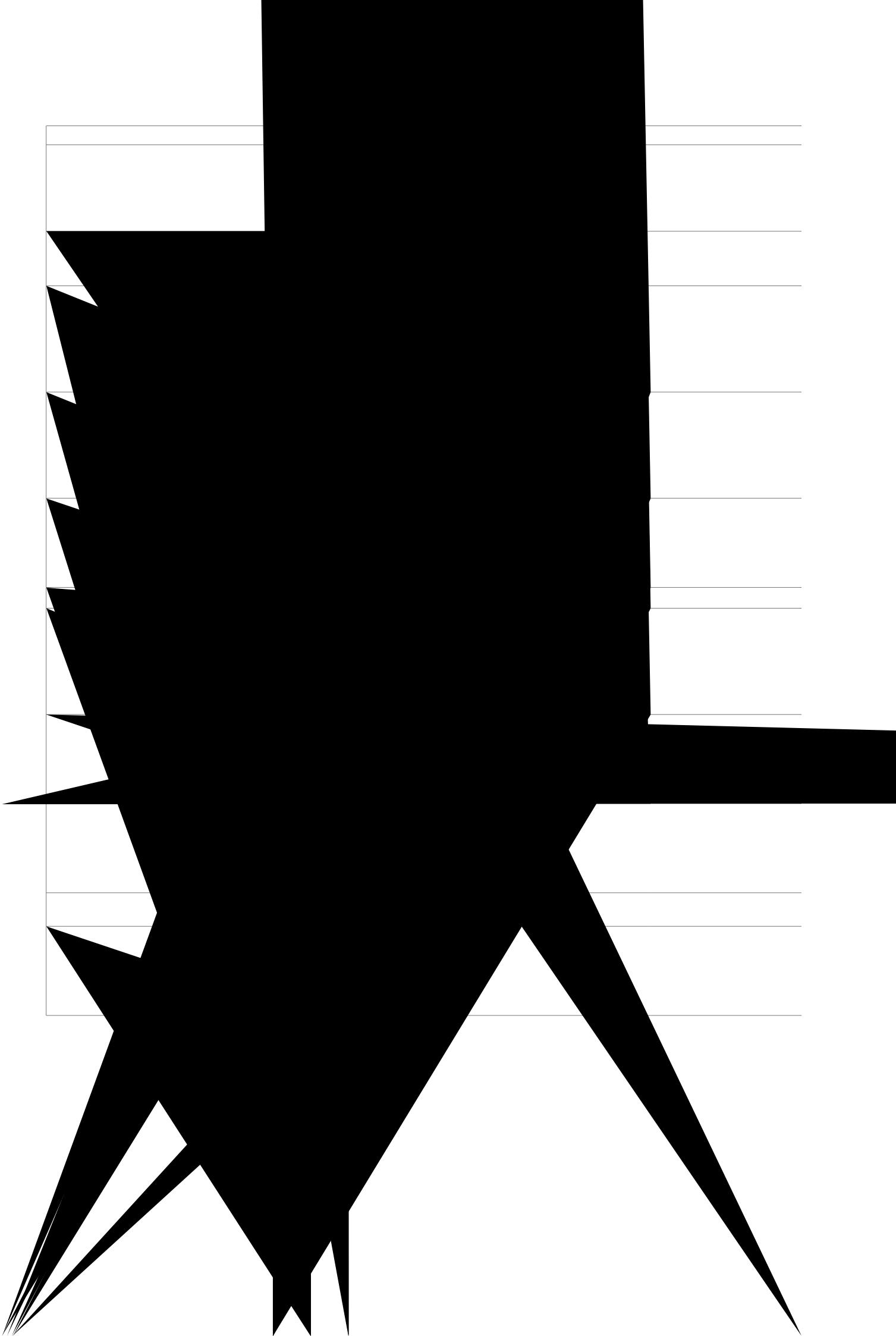
Exit points

Students who have completed four courses in the program may satisfy the requirements for the [Graduate Certificate of Engineering Technology](#) program and therefore exit the program with a Graduate Certificate of Engineering Technology.

Students who are unable to satisf







Specialisation: Structural Engineering (Specialisation Study Code: 15213)								
Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
CIV3506 Concrete Structures				1			Pre-requisite: CIV2503 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS	
CIV4508 Structural Design II				1			Pre-requisite: CIV3505 and CIV3506 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS	
ENV3104 Hydraulics II				1			Pre-requisite: ENV1101 or ENV2103 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS	
ENM2600 Advanced Engineering Mathematics				1			Pre-requisite: ENM1600 or Students must be enrolled in one of the following Programs: GCEN or METC or MENS or GDNS	
MEC2401 Dynamics I				2			Pre-requisite: ((MAT1502 or MAT1102 or ENM1600) and CIV1501) or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or MENS	
Schedule C: One Practice Course Students must complete the practice course.								
CIV4908 Civil Design Practice				2			Pre-requisite: CIV4508 or Students must be enrolled in one of the following Programs: MEPR or GDNS or MENS	