Graduate Certificate in Engineering Technology (GCEN) - GradCertEngTech

CRICOS code (International applicants): 030323K

	On-campus	Distance education
Semester intake:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	1 semester full-time or 2 semesters part-time or by distance education	
Program articulation:	To: Master of Engineering Technology	

Contact us

Future Australian and New Zealand students	Future International students	Current students
		Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside 007 252

(NOOSR) as awarding degrees that are comparable to the education level of an Australian bachelor degree. Candidates for admission must have demonstrated a high level of academic performance and must also comply with the University requirements for competency in written and spoken English.

How to apply

Domestic students

Application for postgraduate programs may be made directly to USQ.

International students

This program is offered to international students. An international student is a person who is not an Australian or New Zealand citizen and not an Australian permanent resident. Please refer to USQ International for information about entry requirements, visa arrangements and how to apply.

Program fees

Major studies objectives

The major study provides students with knowledge and skills in a specific discipline. The nine major study areas in the Graduate Certificate in Engineering Technology are:

- Agricultural Engineering
- Civil Engineering
- Computer Systems and Telecommunications Engineering
- Environmental Engineering
- Mechanical Engineering
- Mechatronic Engineering
- Power Systems Engineering
- Structural Engineering
- Technology Management
- Transdisciplinary 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 connectivity. A notebook/laptop may be required for some courses.

Articulation

Students who have completed this program are eligible to claim a maximum of 4 units of advanced standing in the Master of Engineering Technology.

Exemptions

No exemptions will be permitted in the Graduate Certificate in Engineering Technology. Candidates who have completed the same or similar courses at USQ or similar courses at another institution should, with the approval of the Program Coordinator, apply to vary their enrolment pattern on the basis of prior study.

Enrolment

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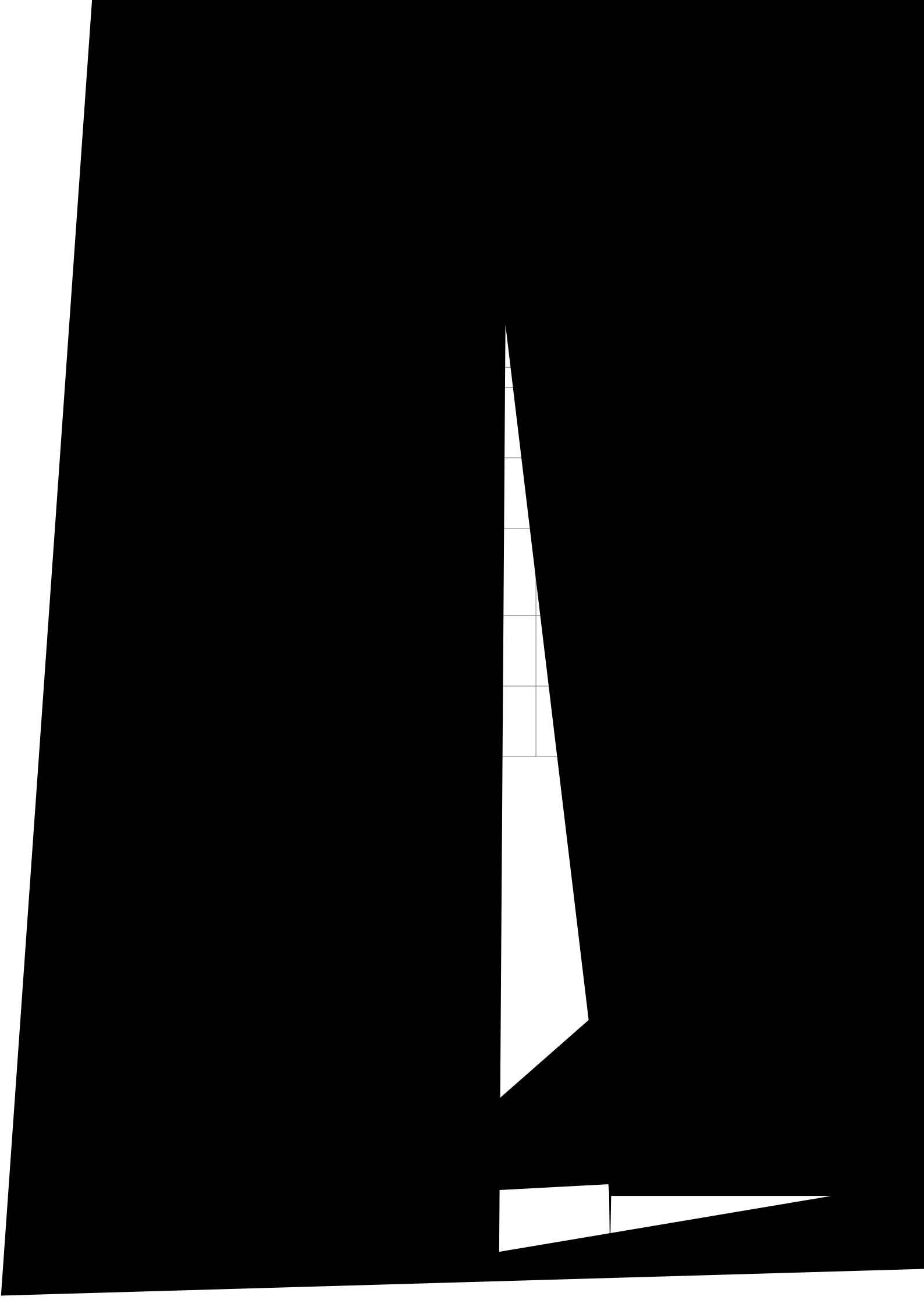

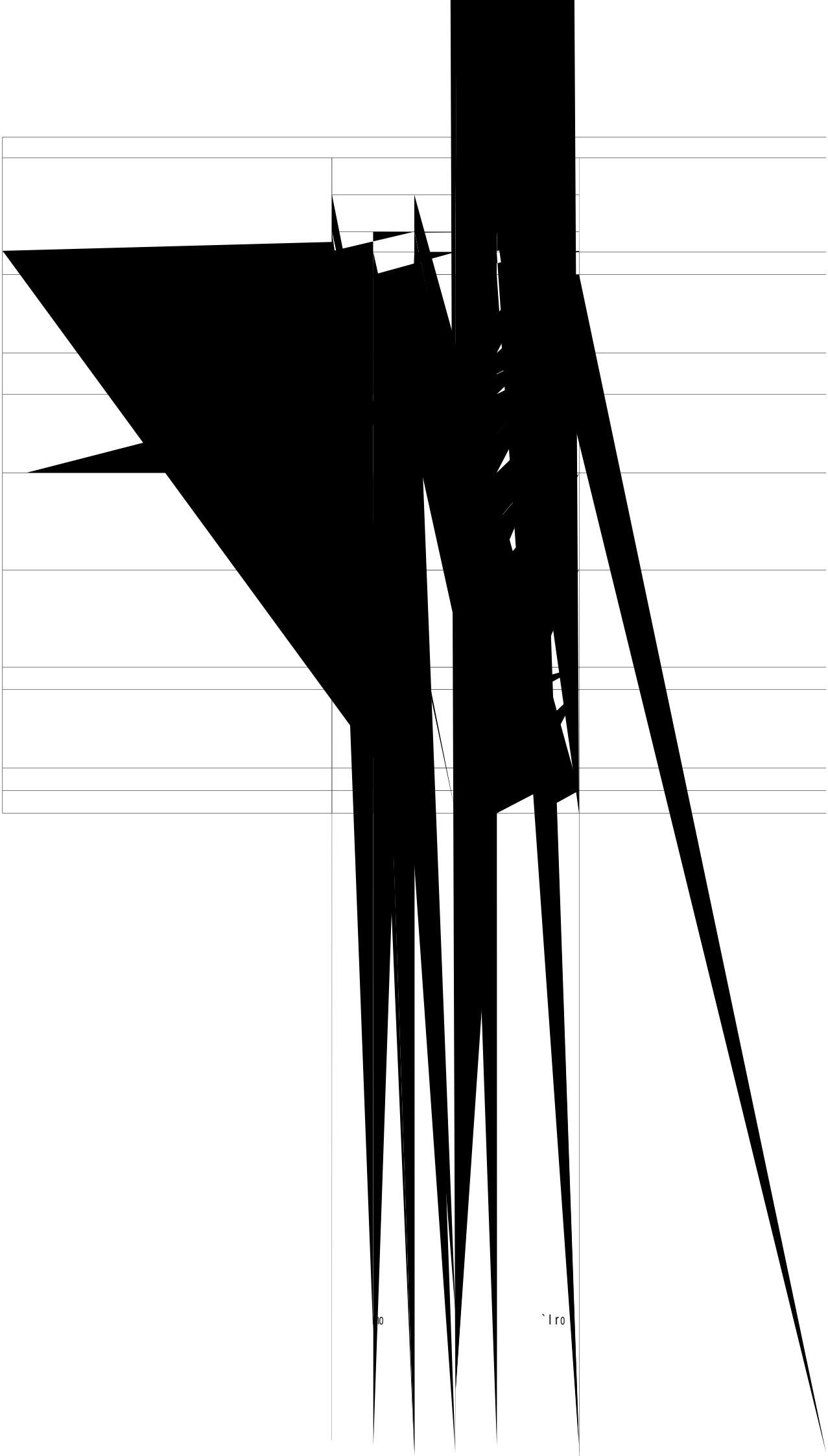

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							Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or MENS
ELE3107 Signal Processing		2		2			

Structural Engineering Major recommended enrolment pattern

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CIV3403 Geotechnical Engineering		2		2			Pre-requisite: CIV2401 or CIV2403 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS
CIV3505 Structural Analysis		1		1			Pre-requisite: MEC2402 and (MAT1502 or ENM1600 or MAT1102) or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS
CIV3506 Concrete Structures		1		1			Pre-requisite: CIV2503 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS
CIV3603 Construction Methods				2			
CIV4508 Structural Design II		1		1			Pre-requisite: CIV3505 and CIV3506 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS
ENG3103 Engineering Problem Solving Computations		2		2			Pre-requisite: (ENG2102 and (MAT1502 or MAT1102)) or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS
ENG8802 Advanced Prestressed Concrete						2	
ENG8803 Mechanics and Technology of Fibre Composites						1	Pre-requisite: CIV3506 or MEC3203 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or GCNS or GDNS or MENS or MENC
MAT2500 Engineering Mathematics 3		2		2			Pre-requisite: MAT1102 or MAT1502 or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MENS
MEC2401 Dynamics I		2		2			Pre-requisite: ((MAT1502 or MAT1102) and CIV1501) or Students must be enrolled in one of the following Programs: GCEN or GDET or METC or MEPR or MENS

Technology Management Major recommended enrolment pattern