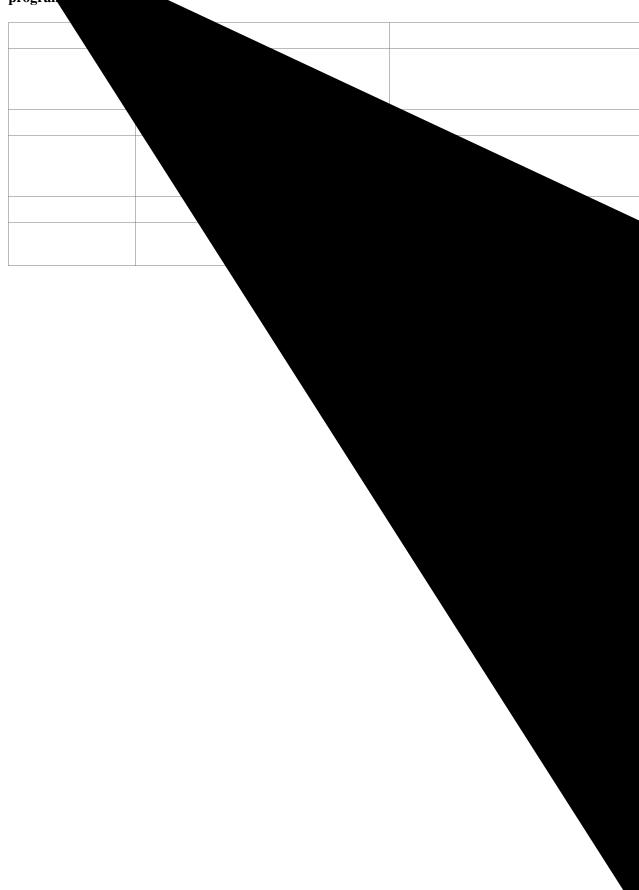
Master of Engineering Science (MENS) - MEngSci Class code (International applicants): 067689G

rrently undergoing internal reaccreditation. This may result in changes to the This p progran



Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three or four year Bachelor degree in the area of engineering in the relevant cognate specialisation (major), or equivalent.
 - Completion of an appropriate four year Bachelor degree in the area of engineering in a non-cognate specialisation (major field), or equivalent.
- English Language Proficiency requirements for Category 3.

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 the federal government agency, International Education group, an agency of the Department of Education and Training.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students 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 a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students 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.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Finder.

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided the

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, via distance education/online. Students are able to calculate the fees for a particular course via the Course Fee Finder.

Program structure

The Master of Engineering Science comprises 16 units (14 single-unit academic courses and one two-unit academic course) and five zero-unit practice courses. The structure is shown below:

Schedule A: Seven core courses (eight units)

Schedule B: A six-course specialisation (six units)

Schedule C: Two approved courses (two units)

Schedule D: From two to five Practice Courses (zero units), depending upon specialisations.

Required time limits

Students have a maximum of 6 years to complete this program.

Specialisation

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

- Agricultural Engineering
- Civil Engineering
- Electrical and Electronic Engineering
- Environmental Engineering
- Mechanical Engineering
- Power Engineering
- Structural Engineering
- Engineering Management and Enterprise

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 Uni

External students must attend a number of residential schools during their program to obtain experience in practical and professional activities appropriate to the program. The residential schools are included in Practice courses which are conducted in Semester 3 or during the recess periods. The dates for each residential school Practice course are shown in the Residential School schedule in this Handbook and external students should ensure they are able to attend the residential school prior to enrolling in a Practice course. Personal protective equipment is compulsory in many engineering, construction and spatial science laboratories, students should confirm the requirements before attending residential schools for Practice courses.

Students who enrol in on-campus mode for Practice courses normally undertake a series of weekly activities and/or attend a compulsory residential school.

Agricultural Engineering

- ENG3902 Professional Practice 1
- ENG4903 Professional Practice 2
- AGR3903 Soil and Water Engineering Practice 2
- AGR3905 Agricultural Engineering Practice

Civil Engineering

- ENG3902 Professional Practice 1
- ENG4903 Professional Practice 2
- CIV3907 Civil Systems Practice
- CIV4908 Civil Design Practice

Electrical and Electronic Engineering

- ENG3902 Professional Practice 1
- ENG4903 Professional Practice 2

Any two of the following:

- ELE2912 Electrical and Electronic Practice B
- ELE3914 Electrical and Electronic Practice D
- ELE3915 Electrical and Electronic Practice E

Environment Engineering

- ENG3902 Professional Practice 1
- ENG4903 Professional Practice 2
- ENV3904 Environmental Engineering Practice
- AGR3903 Soil and Water Engineering Practice 2

Mechanical Engineering

- ENG3902 Professional Practice 1
- ENG4903 Professional Practice 2

Any two of the following:

- MEC3903 Mechanical Practice 3
- MEC3904 Mechanical Practice 4
- MEC3905 Mechatronic Practice

Power Engineering

- ENG3902 Professional Practice 1
- ENG4903 Professional Practice 2

Any two of the following:

• ELE2912 Electrical and Electronic Practice B

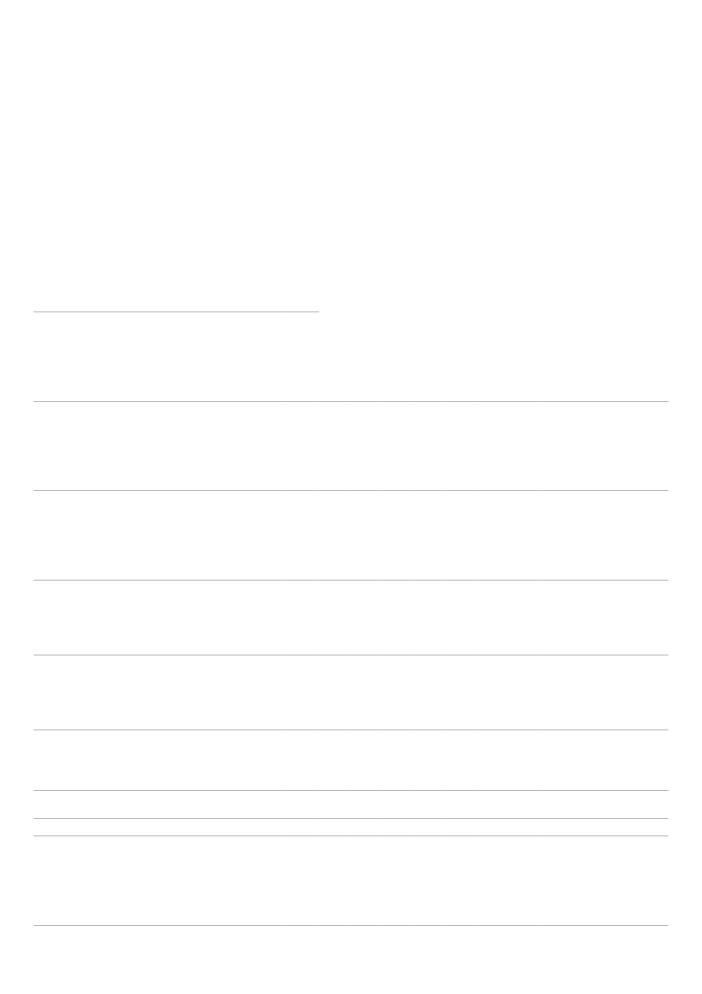
- ELE3914 Electrical and Electronic Practice D
- ELE3915 Electrical and Electronic Practice E

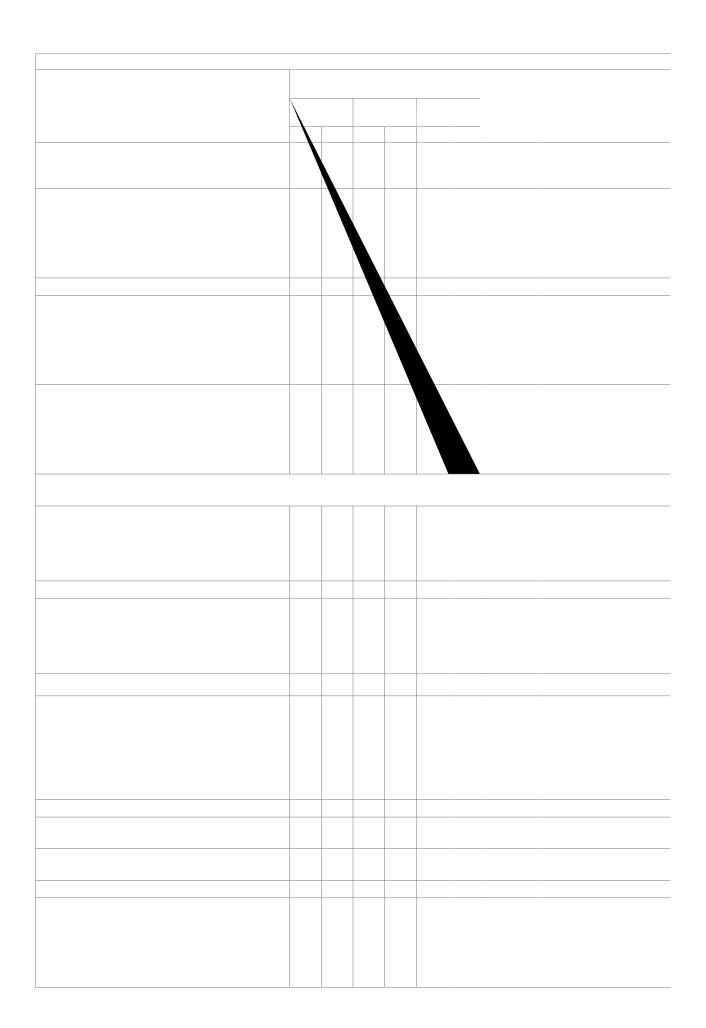
Structural Engineering

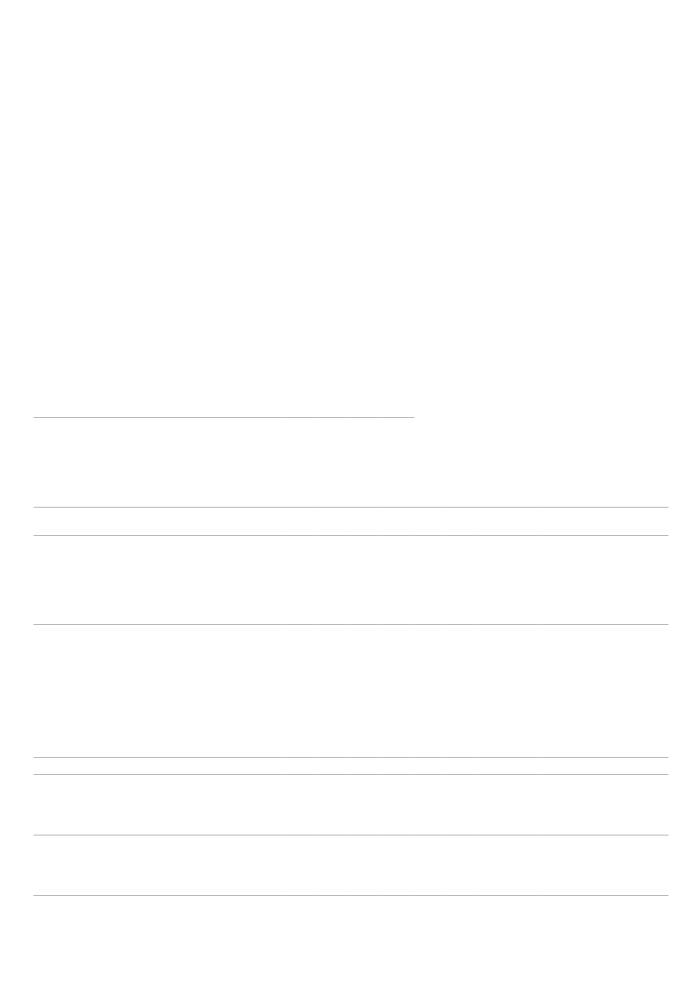
- ENG3902 Professional Practice 1
- ENG4903 Professional Practice 2
- CIV3907 Civil Systems Practice
- CIV4908 Civil Design Practice

Agricultural Engineering specialisation recommended enrolment pattern

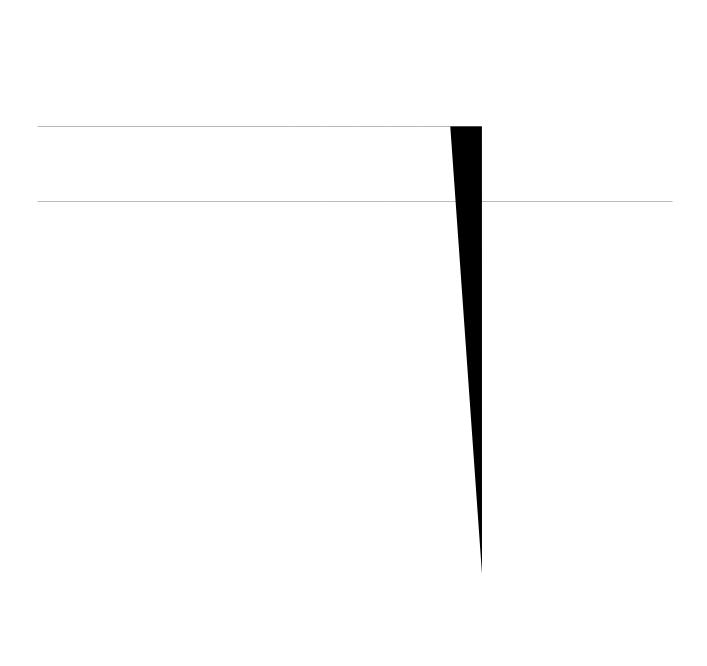
Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.



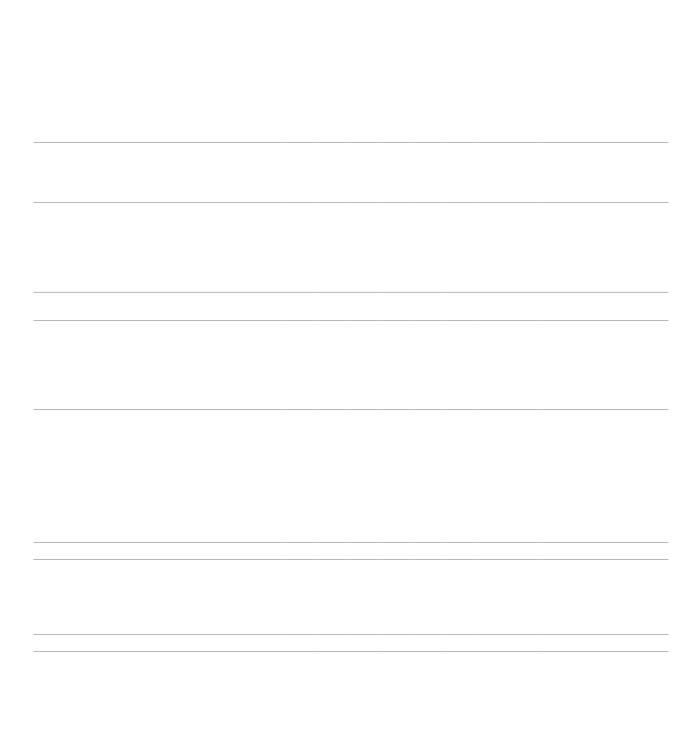


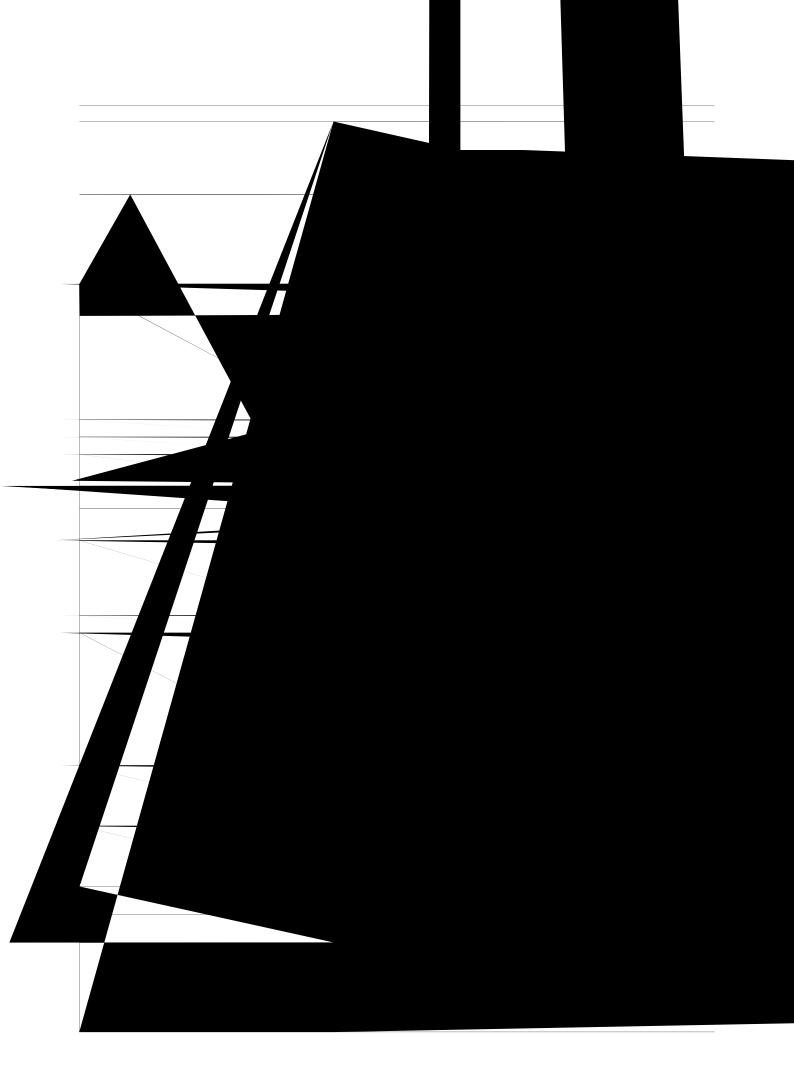


Electrical and Electronic Engineering specialisation recommended enrolment pattern Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.









Specialisation: Me	echanical Er	ngineeri	ng (Spe	cialisati	on Stud	y Code:	16220)	
Course	Year of program and semester in which course is normally studied				Residential school	Enrolment requirements		
		On-campus (ONC)		External (EXT)		nline DNL)		
	Year	Sem	Year	Sem	Year	Sem		
BKD16-0 Molcbppflk^i Mo^`qf`b /	I		1	1			J	Mob*obnrfpfqb7 BKD06-/ ^ka Pqrabkqp j rpq _b bkoliiba fk Ikb Ic qeb cliil t fkd Moldo^ j p7 ?@KE lo ?@LK lo ?B?? Io ?B?@ Io ?BE? Io ?BEF Io ?BEP Io ?BKD Io ?BKE Io JBKP+Pqrabkqp `^kk Iq bkol fk BKD06-/ ^ka BKD16-0 fk qeb p^ j b pb j bpqbo+
BKD16-6 T loh Bumbofbk`b * Molcbppflk^i					1	.)/)0		
And two from the list below:								
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JB@06-2 Jb`e^qolkf` Mo^`qf`b			1	1			J	

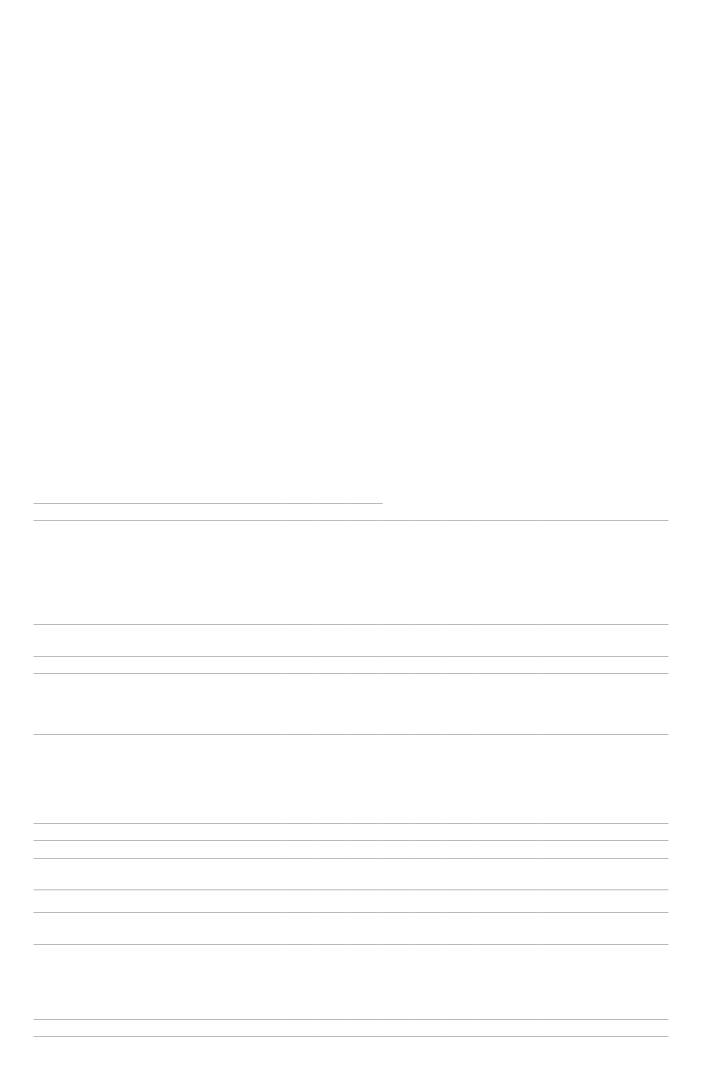
Footnotes

- # Students wishing to undertake a research project with a total of six units may enrol in ENG8414 in lieu of ENG8412 in Schedule A and two approved courses from Schedule C. Approval from the Faculty of Health, Engineering and Sciences is required to undertake a six unit research project prior to enrolling in ENG8414.
- Level 8 courses from other areas of study may be chosen as approved courses with the approval of the Faculty of Health, Engineering and Sciences.
- * Unavailable in on-campus mode in 2021
- ** MEC4108 Advanced Thermofluids will be offered for the first time in 2021. Students can enrol in MEC4103 Heat Transfer instead of MEC4108 Advanced Thermofluids only if they also complete MEC3102 Fluid Mechanics instead of MEC3107 Thermofluids.
- Offered odd years only.

Power Engineering specialisation recommended enrolment pattern

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	Year of	progran is		mester i ly studie		Residential school	Enrolment requirements	
		On-campus (ONC)		ernal KT)	On (OI	ine NL)		
	Year	Sem	Year	Sem	Year	Sem		
Schedule A: Core Courses Students mu	ist co	mplet	e all s	seven	cours	es list	ed in this	schedule.
BKD2 Molcbppflk^i Phfiip fk Bkdfkbbofkd		.)0				.)/)0		
BKJ/3 >as^k`ba Bkdfkbbofkd J^qeb j ^ff`p						.)0		Mob*obnrfpfqb7 BK J .3 lo Pqrabkqp j rpq_b bkoliiba f Ikb Icqeb cliil t fkd Moldo^ p7 D@BK lo JBQ@ lo JBKN lo DAKP lo JBMO lo JP@I
$BKD5/-5 > as^k`ba Bkdfkbbofkd Molgb`q J^k^db j bkq$					1			
BKD01 Bkdfkbbofkd Pf j ri^qf l kp ^ka @l j mrq^qf l kp		1				1		Mob*obnrfpfqb7 #BK J/3 10 J>Q/ 10 J>Q/2& 10 F qrabkqp j rpq _b bkoliiba fk 1kb 1c qeb cliil t fkd Moldo^ p7 DABQ 10 JBQ@ 10 DAKF 10 JBKP
BKD5 Bkdfkbbofkd Obpb^o`e Jbqelap		/)0			0	.)/		



Structural Engineering specialisation recommended enrolment pattern

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Specialisation: Struc	Specialisation: Structural Engineering (Specialisation 6 Modely Colde: 16222)										
·	Year of	progran	and se	mester i	in w		Residential	Enrolment requirements			
		p.og.a					school	= in a initial requirements			
							3011001				
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Course		is	normal	ly studi	ed	course	Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		il tfkd Moldo^ j p7 D@BK lo MD@K lo JBQ@ lo JBMO l D@KP lo DAKP lo JBKP l JBK@ lo J>BK
Schedule C: Approved Courses Studen	nts mu	ist co	mplet	e two	of th	e cour	rses listed	in this schedule. ~
@FS55 @Tab*?^pba P@r`qro^i Abpfdk @FS55-1 >as^k`ba Abpfdk Mo^`qf`b rpfkd Cfkfqb						. /		
Bib j bkq $>$ k^ivpfp BKD5 Qb`ek lildf`^i F j m^`q ^ka fqp J^k^db j bkq								
BKD50 J^k^db j bkq lc Qb`eklildf`^i Ofph		1				1		
BKD51 >ppbq J^k^db j bkq fk ^k Bkdfkbbofkd Bksfolk j bkq		•						
BKD5/-2 Molgb`q J^k^db j bkq Mo^`qf`b		1				1		
BKD5/-4 Fkkls^qflk J^k^dbjbkq^ka Kbt Molar`q Absbilmjbkq						0		
JB@0/-0 J^qbof^ip (b`eklildv Schedule D: Practice Courses Student	s musi	t com	plete	the fo	ollowi	ng fiv	e practice	Mob*obnrfpfqb7 JB@./ lo Pqrabkqp j rpq_b bkoliiba Ikb lcqeb cliil t fkd Moldo^ p7 D@BK lo JBQ@ lo D@K lo DAKP lo JBMO lo JBK courses.
BKD06- / Molcbppflk^i Mo^`qf`b .			0	1			J	Mob*obnrfpfqb7 Pqrabkqp j r _b bkoliiba fk lkb lc qeb cli il tfkd Moldo^ j p7 ?@KE lo ?@LK lo ?B?? lo ?B?@ l ?BE? lo ?BEF lo ?BEP lo ?BKD lo ?BKE lo JBKP
BKD16-0 Molcbppflk^i Mo^`qf`b /	1		1	1			J	Mob*obnrfpfqb7 BKD06-/ ^k Pqrabkqp j rpq_b bkoliiba f Ikb Ic qeb cliil t fkd Moldo^ p7 ?@KE Io ?@LK Io ?BE? Io ?BE@ Io ?BE? Io ?BEF I ?BEP Io ?BKD Io ?BKE I JBKP+Pqrabkqp `^kk Iq bko fk BKD06-/ ^ka BKD16-0 fk qeb p^ j b pb j bpqbo+
BKD16-6 T loh Bumbofbk`b * Molcbppflk^i					1	.)/)0		
@FS06-4 @fsfi Pvpqb j p Mo^`qf`b				0			J	Mob*obnrfpfqb7 @FS/2-0 lo F qrabkqp j rpq_b bkoliiba fk lkb lc qeb cliil t fkd Moldo^ p7 JBKP lo JBMO
@FS16-5 @fsfi Abpfdk Mo^`qf`b			1	.)/			J	@I*obnrfpfqb7@FS12-5 IoP abkqp j rpq_b bkoliibafk qe cliil tfkd Moldo^j7 JBMO JBKP

Footnotes

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