

ME - CIVIL ENGINEERING

Study plan

EAIT faculty home: www.eait.uq.edu.au

CIVIL home: www.civil.uq.edu.au

					Part B - Advanced BE (Hons) electives and Part C - ME electives[@]										
	Parts A1 and A2 - Compulsory #10				March Semester			Numerical methods in engineering CIVL4250 [#]	Travel behaviour and transport modelling CIVL4412		Introduction to fire safety engineering FIRE3700	Fire engineering design: Solutions for implicit safety FIRE4610	Advanced fluid mechanics CIVL4160 ^o ODD		
					July Semester				Advanced transport engineering CIVL4411	Highway geometric design CIVL4460			Coastal and estuarine processes CIVL4110 ^o ODD	Adv. open channel flow and hydraulic structures CIVL4120 ^o EVEN	
March Semester	Professional engineering and business environment: Global practice ENGG7901	Part B elective	Part B elective	Part B elective	March Semester			Wind Engineering CIVL4340	Advanced concrete design CIVL4333		Groundwater & surface flow modelling CIVL4140	Environmental Risk Assessment and Management CIVL4170	Sustainable built environment CIVL4180	Mine waste management and landform design MINE4000	Geotechnical investigating and testing CIVL4270
July Semester	Engineering innovation and leadership ENGG7902	Research methods for civil engineers CIVL7505	Part B elective	Part B elective	July Semester			Anal. methods for the design of construction Op. CIVL4522	Advanced structural analysis CIVL4332	Design of timber structures CIVL4334				Advanced soil mechanics CIVL4230	Advanced rock mechanics CIVL4280
March Semester	Research project CIVL7511/7512 ^{&}	Part C elective	Part C elective	Part C elective	March Semester	Research thesis CIVL7500/7501 ^{&}		Modelling of environmental fluid mechanics CIVL7155 ^o EVEN	Advanced engineering monitoring CIVL7135 ^o ODD	Ground improvement and remediation technologies CIVL7215 ^o ODD	Dam and embankment engineering CIVL7225 ^o EVEN	Design of composite structures CIVL7350	Spatial and quant. methods for transport data analysis CIVL7415 ^o EVEN	Transport models for planning CIVL7425 ^o ODD	Structural fire engineering FIRE7660
July Semester		Part C elective	Part C elective	Part C elective	July Semester				Advanced sustainable built environment CIVL7170		Underground structures CIVL7235 ^o EVEN	Advanced concrete structures and concrete technology CIVL7315	Computational methods for optimization and advanced analysis CIVL7360	Traffic simulation CIVL7435 ^o ODD	Fire dynamics FIRE7620

^o Course offered in ODD years only.

^e Course offered in EVEN years only.

[@] Some Part C electives are available only every second year. Students may need to do them in their 1st year.

[&] CIVL7500/7501 (#8 units) may be taken in lieu of CIVL7511/7512 and two electives.

[#] CIVL4250 is not offered in 2018