

ME - CIVIL ENGINEERING

Study plans for commencement in Semester 2

[EAIT faculty home: www.eait.uq.edu.au](http://www.eait.uq.edu.au)

[CIVIL home: www.civil.uq.edu.au](http://www.civil.uq.edu.au)

Semester 2 start - ODD year

PARTS A2 and A3 - Compulsory										Part B - Advanced BE (Hons) electives and Part C - ME electives																													
					Multidisciplinary		Research		Water and Environmental					Geotechnical			Structures				Transport			Fire															
Odd	Semester 2	ENGG7902 Engineering innovation and leadership	CIVL7505 Research methods for civil engineers	Elective	Elective	Semester 2	CIVL4522 Construction engineering management									CIVL4110 ^o Coastal and estuarine processes ODD									CIVL4230 Advanced soil mechanics	CIVL4280 Advanced rock mechanics		CIVL4332 Advanced structural analysis	CIVL4334 Design of timber structures	CIVL7315 Advanced concrete structures and concrete technology	CIVL7360 Computational methods for optimization and advanced analysis	CIVL4450 Traffic Flow Theory and Emerging Technologies	CIVL4460 Highway geometric design		CIVL7435 Traffic simulation				FIRE7620 Fire dynamics
Even	Semester 1	ENGG7901 Professional engineering and business environment: Global practice	Elective	Elective	Elective	Semester 1	CIVL4250 Numerical methods in engineering	CIVL4340 Wind Engineering								CIVL4140 Groundwater & surface flow modelling	CIVL4170 Environmental Risk Assessment and Management	CIVL4180 Sustainable built environment	CIVL7155 ^e Environmental fluid mechanics modelling EVEN	CIVL7131 Urban Hydrology	MINE4000 Mine waste management and landform design	CIVL4270 Geotechnical investigating and testing	CIVL7225 ^e Dam and embankment engineering EVEN	CIVL4333 Advanced concrete design	CIVL7350 Design of composite structures										CIVL7415 Spatial and quant. methods for transport data analysis	CIVL7425 Transport models for planning	FIRE3700 Introduction to fire safety engineering	FIRE4610 Fire engineering design: Solutions for implicit safety	FIRE7660 Structural fire engineering
Even	Semester 2	CIVL7512 Research project	Elective	Elective	Elective	Semester 2	CIVL4522 Construction engineering management		CIVL7501 [#] Research thesis			CIVL4120 ^o Adv. open channel flow and hydraulic structures EVEN					CIVL7170 Advanced sustainable built environment	CIVL4230 Advanced soil mechanics	CIVL4280 Advanced rock mechanics	CIVL7235 ^e Underground structures EVEN	CIVL4332 Advanced structural analysis	CIVL4334 Design of timber structures	CIVL7315 Advanced concrete structures and concrete technology	CIVL7360 Computational methods for optimization and advanced analysis	CIVL4450 Traffic Flow Theory and Emerging Technologies	CIVL4460 Highway geometric design	CIVL4412 Travel behaviour and transport modelling	CIVL7435 Traffic simulation										FIRE7620 Fire dynamics	
Odd	Semester 1		Elective	Elective	Elective	Semester 1	CIVL4250 Numerical methods in engineering	CIVL4340 Wind Engineering					CIVL4160 ^o Advanced fluid mechanics ODD	CIVL4140 ^o Groundwater & surface flow modelling	CIVL4170 Environmental Risk Assessment and Management	CIVL4180 Sustainable built environment	CIVL7135 ^e Advanced engineering monitoring ODD	CIVL7131 Urban Hydrology	MINE4000 Mine waste management and landform design	CIVL4270 Geotechnical investigating and testing	CIVL7215 ^e Ground improvement and remediation technologies ODD	CIVL4333 Advanced concrete design	CIVL7350 Design of composite structures											CIVL7415 Spatial and quant. methods for transport data analysis	CIVL7425 Transport models for planning	FIRE3700 Introduction to fire safety engineering	FIRE4610 Fire engineering design: Solutions for implicit safety	FIRE7660 Structural fire engineering	

Enrol in CIVL7512 in semester 2 and following semester 1

Enrol in CIVL7501 in semester 2 and following semester 1

^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.
[&] CIVL7501 (#8 units) may be taken in lieu of CIVL7512 and two electives.
[#] CIVL4140 is not offered in 2019