

BE(Hons)/ME - CIVIL ENGINEERING
Study plan for years 4 and 5

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

4th year - ODD year

Odd	March Semester	Civil design 1 CIVL4514	Elective	Elective	Elective	March Semester	Numerical methods in engineering CIVL4250	Wind Engineering CIVL4340		Advanced concrete design CIVL4333	Design of composite structures CIVL7350		Advanced fluid mechanics CIVL4160 ^o ODD	Groundwater & surface flow modelling CIVL4140	Environmental Risk Assessment and Management CIVL4170	Sustainable built environment CIVL4180	Advanced engineering monitoring CIVL7135 ^o ODD	Travel behaviour and transport modelling CIVL4412		Transport models for planning CIVL7425 ^o ODD	Introduction to fire safety engineering FIRE3700	Fire engineering design: Solutions for implicit safety FIRE4610	Structural fire engineering FIRE7660	Mine waste management and landform design MINE4000	Geotechnical investigating and testing CIVL4270	Ground improvement and remediation technologies CIVL7215 ^o ODD
Odd	July Semester	Civil design 3 CIVL4516	Elective	Elective	Prof. practice & the business environment ENGG4900 March or July Semester	July Semester	Anal. methods for the design of construction Op. CIVL4522		Research methods for civil engineers CIVL7605	Advanced structural analysis CIVL4332	Design of timber structures CIVL4334	Advanced concrete structures and concrete technology CIVL7315	Computational methods for optimization and advanced analysis CIVL7360	Coastal and estuarine processes CIVL4110 ^o ODD	Modelling of environmental systems CIVL3150	Industrial wastewater and solid waste management CHEE4012		Advanced sustainable built environment CIVL7170	Advanced transport engineering CIVL4411	Highway geometric design CIVL4460	Traffic simulation CIVL7425 ^o ODD		Fire dynamics FIRE7620	Advanced soil mechanics CIVL4230	Advanced rock mechanics CIVL4280	
Even	March Semester	Research thesis CIVL7500		Elective	Elective	March Semester	Numerical methods in engineering CIVL4250	Wind Engineering CIVL4340		Advanced concrete design CIVL4333	Design of composite structures CIVL7350			Groundwater & surface flow modelling CIVL4140	Environmental Risk Assessment and Management CIVL4170	Sustainable built environment CIVL4180	Environmental fluid mechanics modelling CIVL7155 ^o EVEN	Travel behaviour and transport modelling CIVL4412		Spatial and quant. methods for transport data analysis CIVL7415 ^o EVEN	Introduction to fire safety engineering FIRE3700	Fire engineering design: Solutions for implicit safety FIRE4610	Structural fire engineering FIRE7660	Mine waste management and landform design MINE4000	Geotechnical investigating and testing CIVL4270	Dam and embankment engineering CIVL7225 ^o EVEN
Even	July Semester			Elective	Engineering grand challenges ENGG7701	July Semester	Anal. methods for the design of construction Op. CIVL4522			Advanced structural analysis CIVL4332	Design of timber structures CIVL4334	Advanced concrete structures and concrete technology CIVL7315	Computational methods for optimization and advanced analysis CIVL7360	Adv. open channel flow and hydraulic structures CIVL4120 ^o EVEN	Modelling of environmental systems CIVL3150	Industrial wastewater and solid waste management CHEE4012		Advanced sustainable built environment CIVL7170	Advanced transport engineering CIVL4411	Highway geometric design CIVL4460			Fire dynamics FIRE7620	Advanced soil mechanics CIVL4230	Advanced rock mechanics CIVL4280	Underground structures CIVL7235 ^o EVEN

4th year - EVEN year

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Odd	March Semester	Research thesis CIVL7600 ^a		Elective	Elective	March Semester	Numerical methods in engineering CIVL4250	Wind Engineering CIVL4340		Advanced concrete design CIVL4333	Design of composite structures CIVL7350		Advanced fluid mechanics CIVL4160 ^o ODD	Groundwater & surface flow modelling CIVL4140	Environmental Risk Assessment and Management CIVL4170	Sustainable built environment CIVL4180	Advanced engineering monitoring CIVL7135 ^o ODD	Travel behaviour and transport modelling CIVL4412		Transport models for planning CIVL7425 ^o ODD	Introduction to fire safety engineering FIRE3700	Fire engineering design: Solutions for implicit safety FIRE4610	Structural fire engineering FIRE7660	Mine waste management and landform design MINE4000	Geotechnical investigating and testing CIVL4270	Ground improvement and remediation technologies CIVL7215 ^o ODD
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^o Course offered in ODD years only.
^e Course offered in EVEN years only.
@ Some Part N electives are available only every second year. Students may need to do them in their 4th year.
\$ CIVL3510 may be done in semester 8 to allow completion of CIVL4110 or CIVL4120
CIVL4250 is not offered in 2018
& Two semester course (8R units)