Course progression map for 2019 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the Handbook. Update version: 29 October 2020

E6008 Master of Infrastructure Engineering and Management

Entry level 1 - Duration: 1.5 years

<table>
<thead>
<tr>
<th>Year 1 Semester 1</th>
<th>CIV5899 Infrastructure information management</th>
<th>CIV5310 Infrastructure project and policy evaluation</th>
<th>Professional enhancement unit</th>
<th>Professional enhancement unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1 Semester 2</td>
<td>CIV5313 Asset management</td>
<td>CIV5889 Infrastructure project</td>
<td>Professional enhancement unit</td>
<td>Professional enhancement unit</td>
</tr>
</tbody>
</table>

Year 2 Semester 1
Professional enhancement unit
Professional enhancement unit
Professional enhancement unit
Professional enhancement unit

Entry level 2 – Duration: 1 year

<table>
<thead>
<tr>
<th>Year 1 Semester 1</th>
<th>CIV5899 Infrastructure information management</th>
<th>CIV5310 Infrastructure project and policy evaluation</th>
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This course map is recommended as a guide only and subject to updates.

Detailed information and semester offering for each elective unit is available in the Unit Handbook http://monash.edu.au/pubs/2019handbooks/units/index-byfaculty-eng.html

Professional enhancement units

- APGS140 Guiding principles for professionals engaged in disasters and humanitarian crises
- CIV5301 Advanced traffic engineering
- CIV5302 Traffic engineering and management
- CIV5304 Intelligent transport systems
- CIV5314 Planning urban mobility futures
- CIV5315 Transport economics
- CIV5316 Fundamentals of urban public transport
- MKF5917 Driving organisational value through marketing

The following units require prior technical knowledge in civil engineering:

- CIV5801 Groundwater hydrology
- CIV5802 Flood hydraulics and hydrology
- CIV5803 Surface water hydrology
- CIV5804 Water sensitive stormwater design
- CIV5805 Infrastructure dynamics
- CIV5806 Infrastructure geomechanics
- CIV5807 Infrastructure rehabilitation and monitoring
- CIV5808 Advanced computational methods