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.

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>Elective</th>
<th>Elective</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1 Semester 2</td>
<td>CIV5313 Asset management</td>
<td>CIV5889 Infrastructure project</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Year 2 Semester 1</td>
<td>CIV5310 Infrastructure project and policy evaluation</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

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>
<th>Elective</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1 Semester 2</td>
<td>CIV5889 Infrastructure project</td>
<td>CIV5313 Asset management</td>
<td>Elective</td>
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</tr>
</tbody>
</table>

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

Civil engineering electives
- 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
- CIV5881 Groundwater hydrology*
- CIV5882 Flood hydraulics and hydrology*
- CIV5883 Surface water hydrology*
- CIV5884 Water sensitive stormwater design*
- CIV5885 Infrastructure dynamics*
- CIV5886 Infrastructure geomechanics*
- CIV5887 Infrastructure rehabilitation and monitoring *
- CIV5888 Advanced computational methods*

Enhancement electives
- EDF5670 Leadership studies*
- MGF5920 Work and employment relations
- MGF5960 Managing people and organisations
- MGF5972 Managing organisational change
- MGF5976 Strategic management

*Prior technical knowledge in civil engineering required

*This unit explores leadership in a broad context and the way it occurs in organisations.