Course progression map for 2020 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. Please note that the map is subject to updates. 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>CIV5323 Project risk management</td>
<td>Professional enhancement unit</td>
</tr>
<tr>
<td>Year 2 Semester 1</td>
<td>Professional enhancement unit</td>
<td>Professional enhancement unit</td>
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</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>Professional enhancement unit</th>
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<td>Year 1 Semester 2</td>
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</tr>
</tbody>
</table>

Detailed information and semester offering for each elective unit is available in the Handbook https://handbook.monash.edu

Professional enhancement units

APG5140 Guiding principles for professionals engaged in disasters and humanitarian crises
CIV5301 Advanced traffic engineering
CIV5302 Traffic engineering and management
CIV5304 Intelligent transport systems
CIV5311 Planning urban mobility futures
CIV5312 Transport economics
CIV5316 Fundamentals of urban public transport
MKF5917 Driving organisational value through marketing

The following units require prior technical knowledge in civil engineering:

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