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**

| Year 1 Semester 1 | CIV5899 Infrastructure information management | CIV5310 Infrastructure project and policy evaluation | Professional enhancement unit | Professional enhancement unit |
| Year 1 Semester 2 | CIV5313 Asset management | CIV5889 Infrastructure project | Professional enhancement unit | Professional enhancement unit |
| Year 2 Semester 1 | Professional enhancement unit | Professional enhancement unit | Professional enhancement unit | Professional enhancement unit |

**Entry level 2 – Duration: 1 year**

| Year 1 Semester 1 | CIV5899 Infrastructure information management | CIV5310 Infrastructure project and policy evaluation | Professional enhancement unit | Professional enhancement unit |
| Year 1 Semester 2 | CIV5313 Asset management | CIV5889 Infrastructure project | Professional enhancement unit | Professional enhancement unit |

This course map is recommended as a guide only and subject to updates.


**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:

- **CIV5811** Groundwater hydrology
- **CIV5821** Flood hydraulics and hydrology
- **CIV5831** Surface water hydrology
- **CIV5841** Water sensitive stormwater design
- **CIV5851** Infrastructure dynamics
- **CIV5861** Infrastructure geomechanics
- **CIV5871** Infrastructure rehabilitation and monitoring
- **CIV5881** Advanced computational methods

Source: Monash University 2019 Handbook – CRICOS Provider Number: 00008C

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