Course Outline

<table>
<thead>
<tr>
<th>Units Available</th>
<th>Master of Traffic</th>
<th>Master of Transport</th>
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<tbody>
<tr>
<td>CIV3301: Traffic Engineering Fundamentals</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3302: Road Traffic: Engineering and Management</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3303: Quantitative Methods</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3304: Intelligent Transport Systems</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3305: Transport Modelling</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3306: Road Safety Engineering</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3307: Parking Policy and Design</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3308: Case Studies in Transport</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3310: Infrastructure Project and Policy Evaluation</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3311: Infrastructure Project Management</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3312: Asset Management I</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3313: Asset Management II</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3314: Transport Planning and Policy</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3315: Transport Economics</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>CIV3316: Fundamentals of Urban Public Transport</td>
<td>✓</td>
<td>✓</td>
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</tbody>
</table>

Total Core Coursework Units 7 = 42 cp 7 = 42 cp
Minimum Elective Unit(s)* 1 = 6 cp 1 = 6 cp
Credit for Advanced Standing if entering with a 4 year degree or equivalent 4 = 24 cp 4 = 24 cp

**TOTAL CREDIT POINTS REQUIRED COVERING CORE UNITS, CREDIT FOR ADVANCED STANDING AND ELECTIVE UNITS**

- 72 cp
- 72 cp

Key: ✓ = core unit. *More than the minimum elective units will be required by students who are not eligible for credit for Advanced Standing via entry with a four year degree or equivalent.

Note: Each unit is 6 credit points (cp).

Entry requirements

Study is via off-campus mode for both local and international students. International students are only able to study this course in their country of residence.

To be eligible for admission you must hold a Bachelor's Degree in engineering or another relevant discipline. Articulation options are available for students who have not completed a Bachelor's Degree. If you do not have a Bachelor's Degree please contact the Program Leader (Professor Geoff Rose).

Unit study material

Study material is written by experts from industry and academia and presented in a package specifically designed for off-campus learning. Students receive a comprehensive set of technical notes, readings, references, case studies and assignments. Study guides are sent to students following enrolment and contain a suggested study schedule. Some units may require participants to purchase a text. The unit study material and texts will become a valuable professional resource.

Course materials are also accessible electronically to currently enrolled students via the Monash University Studies Online (MUSO) website.

Unit assessment requirements

Most units are assessed by a combination of assignments and a formal end-of-semester examination. Students must pass both the continuous assessment (assignments) and the examination to successfully complete the unit. The examination venues are arranged by Monash University which has centres throughout Australia and overseas.

Enquiries

Full program details are available from our website: www.eng.monash.edu.au/civil/current/fts/transport. Should you need further information please contact the relevant person below depending on the nature of your enquiry.

For enrolment or administrative questions:
Ms Brenda O’Keefe
Email: brenda.okeefe@monash.edu
Telephone: +61 (0) 3 9905 9627
Fax: +61 (0) 3 9905 9493

For academic and course content questions:
Professor Geoff Rose
Email: geoff.rose@monash.edu
Telephone: +61 (0) 3 9905 4959
Fax: +61 (0) 3 9905 9493
Do you want to expand your career?

Or are you working in the transport or traffic profession and wish to upgrade your knowledge and skills?

All over the world, issues such as traffic congestion, safety, environmental impacts and the efficiency of transport operations are everyday concerns. With transport systems under pressure to deliver better economic, social and environmental outcomes for the community there is a growing demand for professionals who are prepared to address these challenges.

This program has been specifically developed to cater for students from a diverse range of backgrounds and equip them for dynamic professional careers in transport or traffic. Transport education and research programs have been offered by Monash University for more than 40 years. Over that period the programs have developed a deserved international reputation for being practical, academically rigorous and challenging. So if you work in the transport and traffic industry and want to upgrade your knowledge and skills, or are interested in joining this dynamic field, Monash University’s Postgraduate Program in Transport and Traffic may be for you.

Professionals from a range of diverse backgrounds such as engineering, urban planning, mathematics, economics and science have chosen this program to accelerate their careers. Where will your transport career take you?

Career Outlook

The transport field is fundamentally multidisciplinary so it offers excellent opportunities for students from a range of backgrounds including engineering, science, planning and the humanities.

The program gives you a pathway to new career opportunities including work in the private and public sector in activities related to transport planning and policy, transport operations, traffic engineering and management. Graduates from the program typically work as senior professionals in local, state and federal government agencies such as road and transport authorities, public and private sector transport operators and local and international consulting organisations.

Flexible Entry Options

- A four year undergraduate degree provides direct entry into the Masters program.
- Alternative entry pathways are available for three year degrees and those without a university degree.

For more information visit: http://eng.monash.edu.au/civil/current/rts/transport/

Convenient Off-campus Study

The program is taught by off-campus learning which means you can balance your work and study while attaining your qualification with Monash University. There are no classes to attend so you can study where and when you like. Students from all over the world study in the postgraduate program, thanks to its flexible off-campus learning mode. Students and graduates can be found throughout Australia, New Zealand, the Middle East, Europe, North America and Africa.

A combination of printed study material and electronic communications are used in the delivery of the program. Academic assistance can be obtained by email or telephone. Discussion groups and other forms of on-line communication are also available for communicating with staff and other students.

Program Structure

Individual units as shown on the back page of the brochure are classified as core and electives. Students can select units to develop expertise in transport or traffic. Both the Masters of Transport and Master of Traffic degrees are 1.5 years full time or 3 years part-time and they incorporate the Graduate Certificate in Transport and Traffic and the Graduate Diploma in Transport and Traffic.

Applicants with a 4 year Bachelor degree in a cognate discipline will be granted 48 credit points of study in order to qualify for the Masters degree.

VicRoads Prize

The program is supported by VicRoads through a $1000 prize. Though the course was completed via correspondence, still received great support and had the ability to manage the work and study commitments. Arouny, Master of Transport

The program gave me the opportunity to gain greater insight into areas within the traffic and transport field where I wanted to develop my career. Studying off campus was also a great choice because I could study part time and work full time. The lecturers were always available to answer any questions so I always had the level of support that I needed.

Naomi, Master of Transport

...The course material was also complimentary to my day-to-day projects and I was able to apply the techniques and knowledge learnt in a practical manner.

Arouny, Master of Traffic

"I knew that I was going to have access to some of the most knowledgeable thinkers in our industry as well as the backing of the Monash brand. Though the course was completed via correspondence, I still received great support and had the ability to manage the work and study commitments."

Arouny, Master of Transport

"Having heard great reports and recommendations from colleagues I decided to enrol in the Master of Traffic. The program allowed me to improve my credibility in the market and assist my clients find solutions to their traffic and transport issues.

The course material was also complimentary to my day-to-day projects and I was able to apply the techniques and knowledge learnt in a practical manner.

Arouny, Master of Traffic

"Having worked in the transport sector for over a decade I found the program really assisted my understanding of issues surrounding transport planning. I choose Monash because of its strong research focus in transport issues and its flexibility for off campus students.

I am very grateful for the support I was offered as an international student, particularly from a fellow student who stayed up until 2am to discuss assignments due to the time difference.

Arouny, Master of Transport

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