Graduate Diploma in Road Safety (PY41)

Year offered: 2010
Admissions: Yes
CRICOS code: 040335A
Course duration (full-time): 2 semesters
Course duration (part-time): 4 semesters
Course duration (external): 2 semesters (full-time) or 4 semesters (part-time)
Domestic fees (indicative): 2010: Full fee tuition $7,250 (indicative) per semester
International Fees (indicative): 2010: $10,750 (indicative) per semester
Domestic Entry: February (full-time and part-time) and July (external full-time or part-time; internal full-time* or part-time) *full-time option is only for candidates that have completed the GradCertRoadSafety
International Entry: February and July (external full-time; internal full-time if GradCertRoadSafety completed)
Total credit points: 96
Standard credit points per full-time semester: 48
Standard credit points per part-time semester: 24
Course coordinator: Dr Mark King
Campus: Gardens Point and Kelvin Grove

Overview
Both the Graduate Certificate and Graduate Diploma in Road Safety foster specialist and multidisciplinary skills and knowledge in the fields of road safety, accident prevention and traffic and transport improvements. The programs are relevant not only to those already employed by government or industry, as either managers, practitioners or researchers, but also those seeking to enter these fields. You will become conversant with real-world safety problems with input from psychology, humanities, public health, optometry, civil/mechanical/manufacturing and medical engineering staff, as well as guest lecturers from government and industry eg state transport, police, and the insurance industry. You will undertake field study, and be able to complete workplace-based projects where appropriate. You will gain experience in both individual and teamwork approaches to research, problem solving, information retrieval, oral and written communication.

Entry requirements
A degree from a university or a three-year diploma relevant to road safety or a Graduate Certificate in Road Safety. (Suitable entry degrees include Bachelor of Civil Engineering, Psychology, Public Health.) *Candidates who have completed QUT’s Graduate Certificate in Road Safety can apply for full-time study commencing in July.

Entry with Advanced Standing
Advanced standing will be given, on a case by case basis, for road safety-specific units in postgraduate courses including QUT’s Graduate Certificate in Civil Engineering; New England/Murdoch/Edith Cowan Universities’ Graduate Certificate or Graduate Diploma in Road Safety. Undergraduate units will not be recognised.

Course Structure
The Graduate Diploma in Road Safety course consists of two core units plus six electives. The program structure is designed to be flexible and accessible. The majority of the units are delivered on a semester basis, although two are available in intensive week-long blocks. The program has recently been enhanced with the introduction of distance education delivery for select units.

International Student Entry
This course is only available to international students in external mode, studying from overseas. Two of the units require on-campus block attendance at QUT in Brisbane for a period of one week (two weeks in total).

Further Information
For further information about this course, please contact the CARRS-Q Education Administrator on +61 7 3138 4592 or consult the CARRS-Q website www.carrsq.qut.edu.au

Full-Time Course Structure

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<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>PYP401</td>
<td>Introduction to Road Safety and three of the following units</td>
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<tr>
<td>PYP402</td>
<td>Traffic Psychology and Behaviour</td>
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<td>PYP404</td>
<td>Applying Traffic Psychology</td>
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<td>PYP405</td>
<td>Road Safety Evaluation Models</td>
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<tr>
<td>PYP407</td>
<td>Independent Study</td>
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<tr>
<td>PYP408</td>
<td>Road Safety Audit - Principles and Practice Traffic Engineering elective Elective as approved by Course Coordinator</td>
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<tr>
<th>Year 1, Semester 2</th>
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<tr>
<td>PYP406</td>
<td>Road Safety Theory to Practice and three of the following units not previously taken</td>
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<tr>
<td>PYP402</td>
<td>Traffic Psychology and Behaviour</td>
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<tr>
<td>PYP404</td>
<td>Applying Traffic Psychology</td>
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<tr>
<td>PYP405</td>
<td>Road Safety Evaluation Models</td>
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PYP407 Independent Study
PYP408 Road Safety Audit - Principles and Practice
Elective as approved by the Course Coordinator

Notes
PYP401, PYP402, PYP404 and PYP406 are offered in external mode in additional semesters.

Health Unit prerequisites/corequisites
For information on prereqs & coreqs visit: www.hlth.qut.edu.au/study/forcurrentstudents/

UNIT SYNOPSES

PYP401 INTRODUCTION TO ROAD SAFETY
This unit introduces the key principles and practices in road safety. Special emphasis is given to the broad context of road use/transport in society and the economic and social implications of road crashes. It introduces the basics of information retrieval, road crash analysis and interpretation, and the strategic development of road safety countermeasures.
Credit points: 12  Contact hours: 3 per week  Campus: Kelvin Grove  Teaching period: 2010 SEM-1 and 2010 SEM-2

PYP402 TRAFFIC PSYCHOLOGY AND BEHAVIOUR
This unit reviews the wide range of factors that influence the behaviour of road users, particularly those that contribute to the incidence of road crashes or exacerbate their severity. It considers all types of road users, including motor vehicle drivers and passengers, motorcycle riders, cyclists and pedestrians. A range of theoretical models are examined which have been used to explain the behaviour of road users.
Credit points: 12  Contact hours: 3 per week  Campus: Kelvin Grove  Teaching period: 2010 SEM-1 and 2010 SEM-2

PYP404 APPLYING TRAFFIC PSYCHOLOGY
This unit reviews the various strategies and programs designed to modify road user behaviour. Effective and ineffective approaches is compared, in order to identify the key characteristics of successful programs. While this is a stand-alone unit, it extends many of the theoretical and practical issues covered in PYP402 - Traffic Psychology and Behaviour.

PYP405 ROAD SAFETY EVALUATION MODELS
This unit introduces the models and methods used to evaluate behaviour change interventions. In particular, it addresses the systematic application of social and behavioural research methodologies to improve the planning, implementation and monitoring of behavioural road safety programs and countermeasures.
Credit points: 12  Contact hours: 3 per week  Campus: Kelvin Grove  Teaching period: 2010 SEM-1 and 2010 SEM-2

PYP406 ROAD SAFETY THEORY TO PRACTICE
This unit introduces the key principles and methods used to improve the safety of the road network in a proactive manner. It complements the more traditional reactive approaches such as black spot programs. Although Road Safety Audit has been utilised by Australian road authorities for a number of years, there remains a lack of suitably skilled people to conduct the audits.
Credit points: 12  Contact hours: 3 per week  Campus: Kelvin Grove  Teaching period: 2010 SEM-1 and 2010 SEM-2

PYP407 INDEPENDENT STUDY
This unit enables students to undertake an independent study based in their places of work. Individual supervision and objective feedback on the experience is an important component of the learning experience.
Credit points: 12  Contact hours: 3 per week  Campus: Kelvin Grove  Teaching period: 2010 SEM-1 and 2010 SEM-2

PYP408 ROAD SAFETY AUDIT - PRINCIPLES AND PRACTICE
Road Safety Audit is a powerful tool for improving the safety of the road network in a proactive manner. It complements the more traditional reactive approaches such as black spot programs. Although Road Safety Audit has been utilised by Australian road authorities for a number of years, there remains a lack of suitably skilled people to conduct the audits.

Consequently, the road authorities (through AUSTROADS) have developed national criteria for the Accreditation of Road Safety Auditors, which include the completion of an approved training course and the obtaining of relevant experience. This course has been designed in conjunction with the Queensland Department of Main Roads to satisfy...
all the requirements for an approved road safety audit course.

Credit points: 12  Teaching period: 2010 SUM-1