Graduate Certificate in Road Safety (PY40)

Year offered: 2010
Admissions: Yes
CRICOS code: 040334B
Course duration (full-time): 1 semester
Course duration (part-time): 2 semesters
Course duration (external): 1 semester (full-time) 2 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; external and internal) and July (internal part-time; external full-time and part-time)
Total credit points: 48
Standard credit points per part-time semester: 24
Course coordinator: Dr Mark King
Campus: Gardens Point and Kelvin Grove

Overview
The Graduate Certificate fosters specialist and multidisciplinary skills and knowledge in the fields of road safety, accident prevention, and traffic and transport improvements. The program is 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.

Students 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). Students undertake field study, and are able to complete workplace-based projects where appropriate. They gain experience in both individual and teamwork approaches to research, problem solving, information retrieval, and oral and written communication.

Entry requirements
For entry into the Graduate Certificate in Road Safety, applicants must possess a relevant degree from a university, an equivalent qualification relevant to road safety or two years of professional practice relevant to road safety.

For entry into the Graduate Diploma in Road Safety, applicants must possess a relevant degree from a university or a Graduate Certificate in Road Safety. Degrees suitable for entry into the Graduate Certificate and Graduate Diploma include bachelor degrees in civil engineering, psychology, and public health.

Entry with Advanced Standing
Advanced standing will be given, on a case-by-case basis, for road safety-specific units in postgraduate courses.

See the advanced standing precedent list at www.studentservices.qut.edu.au/apply/advancedstanding/aspj.jsp

Undergraduate units will not be recognised.

Course Structure
The Graduate Certificate in Road Safety consists of one core unit plus three electives while the Graduate Diploma in Road Safety consists of two core units plus six electives. The program structures are designed to be flexible and accessible. The majority of the units are delivered on a semester basis, although two electives are delivered in intensive week-long blocks at Kelvin Grove campus. The programs have recently been enhanced with the introduction of external delivery for selected units.

Currently the following units are available in external mode:

PYP401 Introduction to Road Safety
PYP402 Traffic Psychology and Behaviour
PYP404 Applying Traffic Psychology
PYP406 Road Safety Theory to Practice

International Student Entry
This course is only available to international students externally. Some attendance at QUT may be necessary for depending on units selected.

Further Information
For further information about this course, please contact the CARRS-Q Education Administrator on phone +617 3138 4592, email psyc.enquiries@qut.edu.au or consult the CARRS-Q website.

Course structure

<table>
<thead>
<tr>
<th>Year 1, Semester 1</th>
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<tbody>
<tr>
<td>PYP401 Introduction to Road Safety and three of the following units</td>
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<tr>
<td>PYP402 Traffic Psychology and Behaviour</td>
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<td>PYP404 Applying Traffic Psychology</td>
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<td>PYP405 Road Safety Evaluation Models</td>
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<td>PYP406 Road Safety Theory to Practice</td>
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PYP408 Road Safety Audit - Principles and Practice

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 are 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.

Credit points: 12  Contact hours: 3 per week  Campus: Kelvin Grove  Teaching period: 2010 SEM-1, 2010 SEM-2 and 2010 SUM

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 counter measures.

Credit points: 12  Contact hours: Block Mode  Campus: Kelvin Grove  Teaching period: 2010 SUM-1

PYP406 ROAD SAFETY THEORY TO PRACTICE
This unit is undertaken in the latter half of both the Graduate Certificate and Graduate Diploma courses and draws together the various themes developed during the program. It is designed to provide students with an opportunity to study and respond to an existing or emerging road safety problem. The student is required to draw on the knowledge and skills they have developed to investigate and recommend solutions to the problem. As far as possible, the unit is designed to reflect the way road safety problems are approached and managed by road safety agencies.

Prerequisites: PYP401  Credit points: 12  Contact hours: 12 per semester, plus weekly contact with the Unit Coordinator  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