ENEC12011 *Transport Systems*
Term 2 - 2025

Profile information current as at 05/09/2024 03:38 pm

General Information

Overview

In this unit, you will be introduced to the design of roads, pavements, and associated documentation. You will also be introduced to traffic analysis, safety, efficiency, environmental and cultural issues, and the sustainability of road and pavement design. You will analyse traffic survey data and interpret survey results, applying them to the analysis of traffic flows and estimation of system capacity. You will also apply design codes and manuals to common design problems involving the geometric design of roads, road drainage, intersection design, and pavement design and rehabilitation. You will learn to work with the most common software in road and pavement design to prepare plans, design alignments, compile specifications, design pavement, and estimate quantities and costs.

Details

Career Level: *Undergraduate*
Unit Level: *Level 2*
Credit Points: *6*
Student Contribution Band: *8*
Fraction of Full-Time Student Load: *0.125*

Pre-requisites or Co-requisites

Prerequisites: [ENEC12009 Engineering Surveying or ENAR12005 Surveying and Mapping] and [MATH11218 Applied Mathematics or MATH11160 Technology Mathematics].
Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the Assessment Policy and Procedure (Higher Education Coursework).

Offerings For Term 2 - 2025

- Bundaberg
- Cairns
- Gladstone
- Mackay
- Online
- Rockhampton

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.

Class and Assessment Overview

Information for Class and Assessment Overview has not been released yet.
This information will be available on Monday 19 May 2025

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).
You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Previous Student Feedback

Feedback, Recommendations and Responses
Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Email

Feedback
The updated guidelines taught in this unit were beneficial to support learning.

Recommendation
The unit contents and all other resources and assessment tasks should be updated to follow the latest version of guidelines/standards.

Feedback from Email and Moodle

Feedback
The software taught in this unit was beneficial in supporting learning, while more examples and explanations in the workshop sessions are suggested.

Recommendation
More examples should be discussed during the workshop sessions for a better understanding of the software.

Feedback from Email

Feedback
The staff had the good technical knowledge, and the lecturer was really helpful through quick and comprehensive responses.

Recommendation
The same quality of support should be maintained in future offerings.

Unit Learning Outcomes

Information for Unit Learning Outcomes has not been released yet.
This information will be available on Monday 19 May 2025

Alignment of Learning Outcomes, Assessment and Graduate Attributes

Information for Alignment of Learning Outcomes, Assessment and Graduate Attributes has not been released yet.
This information will be available on Monday 19 May 2025

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.
This information will be available on Monday 23 June 2025

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.
This unit profile has not yet been finalised.