

In Progress

Please note that this Unit Profile is still in progress. The content below is subject to change.



BLAR11043 *Building Systems and Services 1*

Term 2 - 2026

Profile information current as at 08/06/2026 03:59 pm

All details in this unit profile for BLAR11043 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

This unit will introduce building ergonomics, including its effects on human performance and comfort; "universal access" design considerations; and engineering services associated with residential, low rise commercial and industrial building projects. Using industry regulations, standards and codes of practice, students will examine the principles of building services requirements, installation, operation and maintenance relating to: energy usage and needs; natural, extractive and air conditioning ventilation; natural and artificial lighting; security and communications, hydraulic service supply and disposal systems; fire protection; and acoustics.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

There are no requisites for this unit.

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 - 2026

- Online

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

Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

Regional Campuses

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

Metropolitan Campuses

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. Written Assessment

Weighting: 25%

2. Written Assessment

Weighting: 35%

3. Written Assessment

Weighting: 40%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

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 Student Feedback

Feedback

Students suggested providing more consistent feedback on assessments.

Recommendation

Student feedback indicated that different markers used different methods for returning feedback (e.g. Turnitin comments and rubrics, uploaded feedback files, or comments in Moodle), which made it difficult for some students to know where to look. In response, the teaching team has standardised and clearly communicated the locations of feedback for each assessment, specifying in the unit profile and on Moodle whether feedback will appear in Turnitin, as an uploaded file, or in a Moodle feedback area. In future offerings, we will provide step-by-step guidance in Week 1 and reminders after each assessment release, showing students exactly how to access their feedback in the designated platform to minimise confusion and improve uptake.

Feedback from Self-reflection

Feedback

Review and update of materials and power point slides in the Moodle.

Recommendation

It is recommended to review and update all course materials and PowerPoint slides in Moodle to ensure content is current, accurate, and aligned with learning outcomes.

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Describe building ergonomic factors affecting human performance and comfort
2. Identify "universal access" service amenities required for the physically disabled
3. Discuss energy usage and needs for residential, low rise commercial and industrial building projects
4. Explain natural, extractive and air conditioning ventilation, natural and artificial lighting, security and communications, and hydraulic service supply and disposal systems using industry regulations, standards and codes
5. Identify fire protection measures used in residential, low rise commercial and industrial building projects
6. Interpret building acoustic requirements using industry regulations, standards and codes

Alignment of Learning Outcomes, Assessment and Graduate Attributes

— N/A Level ● Introductory Level ● Intermediate Level ● Graduate Level ● Professional Level ● Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Written Assessment - 25%	●	●				
2 - Written Assessment - 35%		●	●	●		
3 - Written Assessment - 40%			●	●	●	●

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
1 - Communication	●	●	●	●	●	
2 - Problem Solving		●		●	●	
3 - Critical Thinking						
4 - Information Literacy	●		●	●	●	
5 - Team Work						
6 - Information Technology Competence	●			●		●
7 - Cross Cultural Competence						
8 - Ethical practice		●				●
9 - Social Innovation						
10 - First Nations Knowledges						
11 - Aboriginal and Torres Strait Islander Cultures						

Textbooks and Resources

Information for Textbooks and Resources has not been released yet.
This information will be available on Monday 22 June 2026

Academic Integrity Statement

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