

# CIVL 4004 CONSTRUCTION TECHNOLOGY 6 (SERVICES)

**Credit Points** 10

**Legacy Code** 300725

**Coordinator** Baolin Wang ([https://directory.westernsydney.edu.au/search/name/Baolin Wang/](https://directory.westernsydney.edu.au/search/name/Baolin%20Wang/))

**Description** To provide students with a vehicle to develop knowledge and skills needed to comprehend the design of services in major buildings, and in so doing engender a life-long interpretation of the intricacies of physical installation and their critical sequence in the construction process.

**School** Eng, Design & Built Env

**Discipline** Building Services Engineering

**Student Contribution Band** HECS Band 2 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 4 subject

**Equivalent Subjects** LGYB 5400 Construction Technology 6 (Services)

## Restrictions

Students must be enrolled in Bachelor of Construction Management, Bachelor of Engineering, Bachelor of Engineering Advanced (Honours), Bachelor of Building Design Management, Bachelor of Engineering (Honours) or Diploma in Building Design Management/Bachelor of Building Design Management.

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. Interpret and apply pragmatic decision making as it applies to the role of a construction professional in the design, installation and management of major building services
2. Differentiate between the concept of building services coordination and building services integration

## Subject Content

This subject provides students with an introduction to design, installation and management of these services:

1. Mechanical (heating, ventilation and air conditioning)
2. Electrical (transformation, reticulation and safety devices)
3. Hydraulic (water supply, storage and distribution, sanitary plumbing and fittings)
4. Active fire systems (sprinklers and detectors)
5. Communication and security systems
6. Vertical transportation services (elevators and escalators)

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Report	2,000 words	50	N	Individual	Y
Multiple Choice	1 hour	25	N	Individual	Y
Multiple Choice	1 hour	25	N	Individual	Y