

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 HECS Band contribution amount via the 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.

Item	Length	Percent	Threshold	Individual/Group Task
Major assignment	2,000 words	50	N	Individual

End session quiz	1 hour	25	N	Individual
Mid session quiz	1 hour	25	N	Individual

Teaching Periods

Spring

Penrith (Kingswood)

Day

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

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=CIVL4004_22-SPR_KW_D#subjects)

Parramatta - Victoria Rd

Evening

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