

# BLDG 4002 BUILDING DESIGN PROJECT 2

**Credit Points** 20

**Legacy Code** 301100

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

**Description** In this subject students will develop the design solution they created in Building Design Project 1 into a fully resolved CAD model suitable for costing, scheduling and contracting. Construction Certificate documentation will be generated.

**School** Eng, Design & Built Env

**Discipline** Building

**Student Contribution Band** HECS Band 2 20cp

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

**Pre-requisite(s)** NONE

**Co-requisite(s)** BLDG 4001 Building Design Project 1

**Incompatible Subjects** CIVL 4019 Building Project 2 (Honours)

## Restrictions

Students must be enrolled in Bachelor of Building Design Management or Diploma in Building Design Management/Bachelor of Building Design Management.

## Assumed Knowledge

Students should be familiar with the content from the first three years of the Building Design Management degree, including expertise in CAD, iterative design process and construction technology.

## Learning Outcomes

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

1. Recommend the appropriate construction systems for the building project.
2. Specify materials, finishes and performance standards expected in the completed building.
3. Resolve the details of footings/floor/wall and floor/roof junctions and illustrate these with detailed drawings.
4. Construct a fully detailed 3D CAD model with sufficient information for accurate pricing and technical assessment.
5. Present design management choices in 2D views drawn from a 3D CAD model.

## Subject Content

Construction Certificate approval  
Complex and high-rise development  
Services integration

## 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
Applied Project	2000 words	20	N	Individual	Y
Applied Project	3D CAD model and large scale 2D drawings	30	N	Individual	Y
Applied Project	3D CAD model and 2D drawings	50	N	Individual	Y