

Curriculum Structure

HEBETC Bachelor of Engineering Technology (Civil)

Campus: Epping



Stage 1: Civil Engineering Foundation Skills

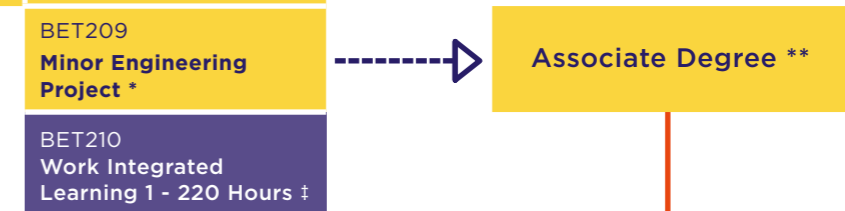
BET101 Professional Engineering	BET102 Engineering Skills 1	BET103 Engineering Mathematics 1	BET104 Surveying	BET105 Engineering Principles	BET106 Civil Engineering Construction	BET107 Mechanics of Structures 1	BET108 Engineering Skills 2
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- 1. School Leavers (VCE or equivalent)
- 2. Diploma Holders (up to 6 subjects credit may be granted)

Stage 2: Civil Engineering Skills Deepening

BET201 Mechanics of Structures 2	BET202 Environmental and Sustainable Design	BET203 Engineering Mathematics 2	BET204 Construction Materials	BET205 Computer Aided Engineering	BET206 Principles of Geomechanics	BET207 Engineering Management 1	BET208 Fluid Mechanics
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- 1. Advanced Diploma Holders (up to 12 subjects credit may be granted)



Stage 3: Civil Engineering Skills Specialisation

Structural Engineering Major		Municipal/Transportation Engineering Major		Construction Management Major	
BET301 Design of Concrete Structures 1	BET302 Design of Steel Structures 1	BET304 Engineering Mathematics 3	BET305 Geotechnical Engineering 1	BET304 Engineering Mathematics 3	BET305 Geotechnical Engineering 1
BET303 Advanced Structural Analysis	BET304 Engineering Mathematics 3	BET308 Roads Design and Construction	BET309 Planning and Subdivision	BET308 Roads Design and Construction	BET310 Construction Law
BET305 Geotechnical Engineering 1	BET306 Design of Concrete Structures 2	BET310 Construction Law	BET311 Urban Water Resources	BET312 Infra-Structure Maintenance and Management	BET313 Engineering Management 2
BET307 Design of Steel Structures 2	Elective 1	BET312 Infra-Structure Maintenance and Management	Elective 1	BET314 Construction Operations	Elective 1

Notes

- Each subject carries 12 credit points of weighting. The course requires a total of 384 credit points to complete.
- * Associate Degree students ONLY are required to enrol in this Core Unit.
- ** Associate Degree holders who continue to study for the Bachelor of Engineering Technology Degree are required to successfully complete the foundation subject BET208 Fluid Mechanics.
- † BET408 Major Engineering Project is a full semester 48 credit points subject.
- ‡ BET210 and BET410 are mandatory hurdle requirements. Students exiting with the Associate Degree are required to complete BET210 (220 hours). Students continuing on after the second year are required to complete BET410 (300 hours) only.

Stage 4: Civil Engineering Skills Demonstration

BET401 Geotechnical Engineering 2	BET402 Design of Timber Structures	BET403 Cost Engineering	BET404 Water network design	BET403 Cost Engineering	BET406 Environmental and Sustainable Practice
BET403 Cost Engineering	Elective 2	BET405 Transportation Engineering	Elective 2	BET407 Integrated Management Systems	Elective 2
BET408 Major Engineering Project †		BET408 Major Engineering Project †		BET408 Major Engineering Project †	
BET410 Work Integrated Learning 2 - 300 Hours †		BET410 Work Integrated Learning 2 - 300 Hours †		BET410 Work Integrated Learning 2 - 300 Hours †	

This training may be delivered with Victorian and Commonwealth Government funding. Information correct at February 2021 © MELBOURNE POLYTECHNIC



LEGEND

