

| 01 University

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Core Engineering Units (8) [██████████]

Core Business Management Units (16) [██████████]

Civil Engineering Specialisation Units (48) [██████████]

Business Management Major Units (16) [██████████]

Semester	Course Name	Course Code	Grade
1-1	Professional Engineering	ENGG1100	T
1-1	Introduction to Management	MGTS1301	
1-1	Calculus and Linear Algebra 1	MATH1051	
1-1	Statics and Materials	ENGG1700	T
1-2	Info Sys Transforming Business	BISM1201	
1-2	Programming For Engineers	ENGG1001	
1-2	Multivariate Calculus and ODEs	MATH1052	T
1-2	Soil Mechanics	CIVL2210	
1-3	Calculus & Linear Algebra 2	MATH2001	
2-1	Organisational Behaviour	MGTS1601	
2-1	Environmental and Fluid Mechanics	CIVL2131	
2-1	Introduction to Environmental Engineering	CIVL2135	T
2-1	Structural Mechanics	CIVL2330	
2-2	Accounting for Decision Making	ACCT1101	
2-2	Fundamentals of Transport Engineering	CIVL2420	
2-2	Reinforced Concrete Design	CIVI3360	
2-2	Hydrology and Free Surface Flows	CIVL3155	
3-1	Introduction to Financial Management	FINM1416	
3-1	Foundations of Marketing	MKTG1501	
3-1	Geotechnical Engineering	CIVL3210	
3-1	Statistics and Data Analysis	CIVL2530	
3-2	Economics for Business	ECON1011	
3-2	Business Law	LAWS1100	
3-2	Project Management and Professional Practice	CIVL3520	

Semester	Course Name	Course Code	Grade
3-2	Integrated Design for the Built Environment	CIVL4518	
4-1	Introduction to Human Resource Management	MGTS2604	
4-1	Organisational Design and Change Management	MGTS3601	
4-1	Data Analytics in Civil Engineering	CIVL3530	
4-1	Structural Analysis	CIVL3340	
4-2	Building the Future Workforce	MGTS2609	
4-2	Employee Relations and HR	MGTS2607	
4-2	Advanced Structural Analysis	CIVL6360	
4-2	Strategic Human Resource Management	MGTS3603	
5-1	Developing Human Capital	MGTS3604	
5-1	Risk Analysis in Civil Engineering	CIVL4170	
5-1	Managing Performance	MGTS3607	
5-1	Transport Network Modelling	CIVL6410	
5-2	People Analytics: Theory, Strategy and Practical Application	MGTS3609	
5-2	Underground Structures	CIVL6250	
5-2	Traffic Flow Theory and Emerging Technologies	CIVL4450	
5-2	Sustainable Infrastructure Design	CIVL4525	
6-1	Research Thesis	CIVL4604	
6-1	Engineering the Circular Economy	ENVE4610	

| List of All Courses (unlinked)

Core Engineering Courses: (8)

- Professional Engineering ENG1100
- Programming for Engineers ENGG1001
- Calculus and Linear Algebra 1 MATH1051
- Multivariate Calculus and ODEs MATH1052

Core Civil Courses: (28)

- ENGG1700 Statics and Materials (NP)
- CIVL2131 Environmental and Fluid Mechanics (ENGG1700, MATH1051, MATH1052)
- CIVL2135 Introduction to Environmental Engineering (NP)
- CIVL2210 Soil Mechanics (ENGG1700, MATH1052)
- CIVL2330 Structural Mechanics (ENGG1700, MATH1051, MATH1052)

- CIVL2420 Fundamentals of Transport Engineering (CIVL2530 Companion)
- CIVL2530 Statistics and Data Analysis (ENGG1700, MATH1052)
- CIVL3155 Hydrology and Free Surface Flows (ENGG1700, MATH1051, MATH1052)
- CIVL3210 Geotechnical Engineering (CIVL2210)
- CIVL3360 Reinforced Concrete Design (ENGG1700)
- CIVL3520 Project Management and Professional Practice (First and Second Year Core Courses)
- CIVL3530 Data Analytics in Civil Engineering (MATH1051, MATH1052, ENGG1001, CIVL2530)
- CIVL4170 Risk Analysis in Civil Engineering (CIVL2135, CIVL3155, CIVL2530)
- CIVL4518 Integrated Design for the Built Environment (CIVL2135, CIVL2420, CIVL3210, CIVL3360)

Civil Research Courses: (4)

- CIVL4604 Research Thesis

Civil Advanced Electives: (12)

- CIVL3340 Structural Analysis
- CIVL6360 Advanced Structural Analysis
- CIVL6410 Transport Network Modelling
- CIVL4450 Traffic Flow Theory and Emerging Technologies
- CIVL6250 Underground Structures
- CIVL4525 Sustainable Infrastructure Design

Civil Breadth Electives: (4)

- MATH2001 Calculus and Linear Algebra 2
- ENVE4610 Engineering the Circular Economy

Core Business Courses: (16)

- Introduction to Management MGTS1301
- Transforming Business with Information Systems BISM1201~~
- Organisational Behaviour MGTS1601
- Accounting for Decision Making ACCT1101
- Introduction to Financial Management FINM1416
- Foundations of Marketing MKTG1501
- Economics for Business ECON1011
- Business Law LAWS1100

Business Major Courses: (16)

- Introduction to Human Resource Management MGTS2604
- Employee Relations and HR MGTS2607
- Building the Future Workforce MGTS2609
- Organisational Design & Change Management MGTS3601
- Strategic Human Resource Management MGTS3603
- Developing Human Capital MGTS3604
- Managing Performance MGTS3607
- People Analytics: Theory, Strategy and Practical Application MGTS3609

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- [ACCT1101](#)
- [BISM1201](#)
- [CIVL2131](#)
- [CIVL2135](#)
- [CIVL2210](#)
- [CIVL2330](#)
- [CIVL2420](#)
- [CIVL2530](#)
- [CIVL3155](#)
- [CIVL3210](#)
- [CIVL3340](#)
- [CIVL3360](#)
- [CIVL3520](#)
- [CIVL3530](#)
- [CIVL4170](#)
- [CIVL4450](#)
- [CIVL4518](#)
- [CIVL4525](#)
- [CIVL4604](#)
- [CIVL6250](#)
- [CIVL6360](#)
- [CIVL6410](#)
- [ECON1011](#)
- [ENGG1001](#)
- [ENVE4610](#)
- [FINM1416](#)
- [LAWS1100](#)
- [MATH1052](#)
- [MATH2001](#)

- [MGTS1601](#)
- [MGTS2604](#)
- [MGTS2607](#)
- [MGTS2609](#)
- [MGTS3601](#)
- [MGTS3603](#)
- [MGTS3604](#)
- [MGTS3607](#)
- [MGTS3609](#)
- [MKTG1501](#)