

BUSINESS UNIT LIST
Semester 1, 2025

Unit Code	Unit Name	Unit Rules	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK
BUACC1000	Fundamentals of Accounting and Finance		✓	✓	✓	✓			
BUACC2604	Business Information Systems		✓	✓	✓	✓			
BUACC2607	Corporate Reporting	PR: BUACC1508	✓	✓	✓	✓			
BUACC2613	Management Accounting 1	PR: BUACC1508	✓	✓	✓	✓			
BUACC3701	Financial Management	PR: BUACC1508	✓	✓	✓	✓			
BUACC3706	Financial Accounting	PR: BUACC1508	✓	✓	✓	✓			
BUACC3721	Investments And Portfolio Management		✓	✓	✓	✓			
BUACC3741	Auditing	PR: BUACC1508	✓	✓	✓	✓			
BUACC5901	Accounting and Finance		✓						
BUECO1300	Introduction to Economics	EX: BUECO1509	✓	✓	✓	✓			
BUENT2635	Entrepreneurship and New Venture Creation	PR: At least 75 credit points from BUACC or BUECO or BUENT or BUExc or BUGEN or BUHEA or BUHRM or BUICT or BULAW or BUMGT or BUMKT or BUPMT subject-area at any level	✓	✓	✓	✓			
BUENT2640	Digital Futures	PR: At least 60 credit points from ANY subject-area at any level	✓	✓	✓				
BUHON4004	Methodological and Qualitative Foundations					✓			
BUHON4005	Quantitative Foundations and Numerical Analysis					✓			
BUHON4006	Literature Reviews					✓			
BUHON4007	Study Proposal					✓			

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BUHRM3706	Employment Practice		✓	✓	✓	✓			
BULAW1503	Commercial Law	PR: BULAW1502	✓	✓	✓	✓			
BULAW3733	Taxation Law 1	PR: BULAW1502 & BUACC1508	✓	✓	✓	✓			
BULAW3734	Taxation Law 2	PR: BULAW3733				✓			
BULAW5916	Taxation Law and Practice	PR: At least 60 credit points from a Business subject-area at 5000-5999 level & BUACC5930 or BULAW5914			✓	✓			
BUMGT1100	Introduction to Management		✓	✓	✓	✓			
BUMGT1101	Entrepreneurship and Innovation	EX: BUENT1501 and BUENG2635	✓	✓	✓	✓			
BUMGT2621	Business Communications		✓	✓	✓	✓			
BUMGT2623	Leading Organisations		✓		✓	✓			
BUMGT5920	Management in a Global Business Environment		✓						
BUMKT2602	Consumer Behaviour	PR: BUMKT1501 or SPMAN1002	✓	✓	✓	✓			
BUMKT3701	Marketing Communication	PR: BUMKT1501 or SPMAN1002	✓	✓	✓	✓			

PR - Pre-Requisite ● EX - Exclusion ● CO - Co-requisite

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ENGINEERING UNIT LIST

Semester 1, 2025

Unit Code	Unit Name	Unit Rules	MTH	CHL	BER	ODL	FLXB	FLXG	FLXK
DATSC5001	Advanced Data Science Project	PR: ITECH5500 or equivalent	✓			✓			
DATSC5002	Advanced Data Science Project 2	PR: ITECH5500 or equivalent and DATSC5001	✓			✓			
DATSC7003	Experiment Design and Visualisation	PR: ITECH7001	✓			✓			
ENGIN2001	Professional Practice	PR: ENCOR1005 or ENGIN1001 EX: ENCOR3035	✓	✓		✓			
ENGIN2102	Signals and Systems	PR: MATHS1001 & MATHS1005 CO: MATHS2016	✓	✓	✓	✓			
ENGIN2105	Digital Logic and Electronic Systems	PR: ENGIN1002	✓	✓	✓	✓			
ENGIN2201	Hydraulics and Hydrology	PR: ENGIN1007 EX: ENCIV2320	✓	✓					
ENGIN2202	Concrete Technology & Civil Construction	PR: ENCOR1110 or ENGIN1003 EX: ENCIV2020	✓	✓					
ENGIN2301	Mechanics of Solids	PR: ENGIN1005 for undergraduate Students only EX: ENCOR2030	✓	✓	✓	✓			
ENGIN2302	Engineering Dynamics	PR: ENGIN1005	✓		✓				
ENGIN2501	Mine Power and Services Technology	EX: ENMIN5100 and ETMIN2260	✓			✓			
ENGIN2502	Rock Fragmentation	EX: ENMIN2040	✓			✓			
ENGIN3101	Power Electronics	PR: ENGIN1007 for undergraduate Students only	✓	✓					
ENGIN3102	Power System Analysis	PR: ENGIN2104 or ENGIN2404 for undergraduate Students only	✓	✓					
ENGIN3201	Structural Design	PR: ENCIV2310 or ENGIN2203 EX: ENCIV3310	✓	✓					
ENGIN3202	Geotechnical Engineering	EX: ENCIV3330	✓	✓					
ENGIN3203	Traffic and Transport	EX: ENCIV3340	✓	✓					

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ENGIN3204	Engineering Surveying	EX: ENCIV2010	✓	✓		✓			
ENGIN3301	Fluid Dynamics	PR: ENGIN2304	✓						
ENGIN3302	Introduction to Vibration Analysis	PR: ENGIN2302 for undergraduate Students only	✓						
ENGIN3303	Robotics	PR: ENGIN2302 & MATHS3001	✓			✓			
ENGIN3401	Engineering Computer Applications and Interactive Modelling	PR: ENCOR1021 or ENGIN1006 EX: ENMTX3010 & ITECH1000	✓	✓					
ENGIN3403	Sensors and Artificial Perception	PR: ENGIN2402 for undergraduate Students only EX: ENMTX3060	✓						
ENGIN3404	Systems Dynamics and Control	PR: MATHS3001 for undergraduate Students only EX: ENMEC3500 & ENMTX3040	✓	✓		✓			
ENGIN3501	Underground Production Systems	PR: ENGIN2502 for undergraduate Students only EX: ENMIN3020	✓			✓			
ENGIN3502	Subsurface Environmental Engineering	PR: ENGIN2304 for undergraduate Students only EX: ENMIN3050 & ENMIN5023	✓			✓			
ENGIN3503	Surface Mining Operations and Equipment	PR: ENGIN2502 for undergraduate Students only EX: ENMIN3070 and ENMIN5018	✓			✓			
ENGIN4001	Engineering Project 1	EX: ENCOR4100	✓	✓		✓			
ENGIN4101	Electrical Power Distribution Engineering	PR: ENGIN3102	✓	✓					
ENGIN4102	Power Electronic Application to Renewable Energy Systems	PR: ENGIN3101	✓						
ENGIN4201	Management of Water Resources	PR: ENGIN3203 for undergraduate Students only EX: ENGGC4203	✓	✓					
ENGIN4301	Machine Dynamics and Vibration	PR: ENGIN3302 or equivalent	✓						
ENGIN4401	Industrial Robotic Systems	PR: ENGIN3406 or ENMTX4010 EX: ENMTX3070		✓		✓			
ENGIN5002	Advanced Engineering Project 1	PR: ENGIN3001 or ENGIN5001 EX: ENCOR7020	✓	✓		✓			
ENGIN5003	Advanced Engineering Project 2	PR: ENGIN5002 EX: ENCOR7030	✓						

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ENGIN5102	Micro-Grid and Energy Storage Systems		✓	✓		✓			
ENGIN5103	Electrical Demand Forecast and Management	PR: ENGIN3102	✓						
ENGIN5205	Engineering Project Management Theory		✓			✓			
ENGIN5206	Engineering Contracts and Procurement		✓						
ENGIN5207	Data Analytics and Decision Making		✓						
ENGIN5302	Modelling and Simulation	PR: ENGIN2301 for undergraduate Students only EX: ENCOR4050	✓						
ENGIN5401	Advanced Mechatronic Systems Design			✓					
ENGIN5402	Actuators and Drives in Mechatronic systems			✓					
ENGIN5505	Mine Planning and Scheduling	EX: ENMIN4090 & ENMIN7010	✓			✓			
ENGIN5507	Ore Reserve Estimation	EX: ENMIN5017	✓			✓			
ENGIN5512	Underground Production Systems	EX: ENMIN5130	✓			✓			
ENGIN5513	Materials Handling and Hoisting	EX: ENMIN5140	✓						
ENGGPG9102	Modelling and Simulation in Engineering	EX: ENGRG9101	✓						
ENGGPG9202	Power System Analysis	EX: ENGRG3201	✓						
ENGGPG9203	Digital and Embedded Systems	EX: ENGRG9201	✓						
ENGGPG9301	Solid Mechanics	EX: ENGRG2301	✓						
ENGGPG9302	Vibration Engineering	EX: ENGRG3301	✓						
ENGGPG9303	Computer Aided Manufacturing	EX: ENGRG9301	✓						
ENGGPG9401	Surface and Underground Mining Systems	EX: ENGRG3401	✓			✓			

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ENGRG1001	Computational Skills for Engineers	EX: ENGIN1004	✓	✓	✓	✓			✓
ENGRG1002	Physics for Engineers 1	EX: ENGIN1002	✓	✓	✓	✓			
ENGRG1003	Computational Skills for Engineers	EX: ENGRG1001	✓	✓	✓	✓			
ENGRG4404	Materials Handling and Hoisting	EX: ENGIN5513	✓			✓			
MATHS1100	Applied Mathematics 1	EX: MATHS1001	✓	✓	✓	✓			✓
MATHS2003	Profit, Loss and Gambling (Intermediate level)	PR: At least one introductory level maths unit or equivalent EX: MATHS1003 & MA553 & MA653	✓			✓			
MATHS2016	Modelling Continuous Change	PR: MATHS1001	✓	✓	✓	✓			
MATHS3002	Analytics Project 1	PR: MATHS2016 or STATS2101	✓			✓			
MATHS7002	Computational methods for Data Analysis	PR: STATS5000	✓			✓			
MREGC5001	Terotechnology & Life Cycle Costs	EX: ENMTX4050				✓			
MREGC5002	Maintenance Management					✓			
MREGC5008	Maintenance & Reliability Engineering Project	PR: At least 45 credit points from program GEM4 or GMR9				✓			
MREGC5101	Basic Quantitative Skills for Reliability Engineering					✓			
MREGC5102	Understanding Reliability					✓			
SCMET3100	Mineral Processing I		✓			✓			
STATS1000	Statistical Methods		✓	✓	✓	✓	✓	✓	✓
STATS2101	Statistics For Prediction	PR: MS501 or STATS1000 EX: MS602	✓			✓			
STATS5000	Statistics and Reliability		✓			✓			

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INFORMATION TECHNOLOGY UNIT LIST

Semester 1, 2025

Unit Code	Unit Name	Unit Rules	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK
COOPC2024	Experiential Learning (Information Technology)	PR: Completion of 240 credit points				✓			
ITECH1500	Digital Literacy	EX: GPSIT1100 and ITECH1100 and ITECH5100	✓	✓	✓	✓			
ITECH1501	User Centred Design		✓	✓	✓	✓	✓	✓	✓
ITECH1503	Data and Information Systems	EX: GPSIT1103 and ITECH1103 and ITECH5103	✓	✓	✓	✓			
ITECH1504	Connected Systems	EX: GPSIT1104 and ITECH1104 and ITECH2201	✓	✓	✓	✓			
ITECH2002	Systems Modelling	PR: ITECH1100 EX: ITECH2101	✓	✓	✓	✓			
ITECH2003	Web Design	PR: ITECH1100 EX: ITECH2106	✓	✓	✓	✓			
ITECH2004	Data Modelling	PR: ITECH1103	✓			✓			
ITECH2250	IT Project Management Techniques	PR: ITECH1001 and at least 7 computing units EX: ITECH3213 and ITECH5213	✓			✓			
ITECH2300	Mobile Networks and Wireless Communications	PR: ITECH1002 or ITECH1102	✓			✓			
ITECH2301	Network Architecture and Design	PR: ITECH1102	✓		✓	✓			
ITECH2302	Big Data Management	PR: ITECH1103	✓			✓			
ITECH2303	Data Analytics	PR: ITECH1103	✓		✓	✓			
ITECH2306	Agile Coding	PR: ITECH2000 & ITECH2001 or ITECH1000 OR ITECH1400	✓		✓	✓			
ITECH2308	Contemporary Mainframes	PR: ITECH1104	✓			✓			
ITECH2310	Cloud Infrastructure and Services	PR: ITECH1104 EX: ITECH2201	✓			✓			

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ITECH2313	Industry-Based Certification I	PR: Certificate Specific requisite knowledge may also need to be demonstrated & ITECH1100				✓			
ITECH2316	Enterprise Development SAP	PR: ITECH1400 EX: ITECH2305	✓			✓			
ITECH3000	IT Professional Engagement		✓		✓	✓			
ITECH3001	User Experience	PR: ITECH1103 & ITECH2003	✓	✓	✓	✓			
ITECH3002	Professionalism and Entrepreneurship	PR: ITECH2004 & ITECH2250 EX: ITECH3203	✓		✓	✓			
ITECH3003	IT Professional Internship	PR: 4 units in the CI5 program	✓		✓	✓			
ITECH3101	Business Analytics and Decision Support	PR: ITECH2004	✓		✓	✓			
ITECH3102	Data Visualization	PR: ITECH2303	✓		✓	✓			
ITECH3105	Mainframe Systems and Services	PR: ITECH2308	✓			✓			
ITECH3108	Dynamic Web Development	PR: ITECH2003 & ITECH1400 or ITECH2001 EX: ITECH3224	✓			✓			
ITECH3109	Data Structures and Algorithms	PR: ITECH2100 or ITECH2306 or ITECH5007 EX: ITECH3218	✓			✓			
ITECH3208	Project 1	PR: ITECH2002 or ITECH2101 or ITECH3201 & ITECH2250 or ITECH3213 CO: ITECH2003 or ITECH2106 or ITECH2309 or ITECH3201	✓	✓	✓	✓			
ITECH3209	Project 2	PR: ITECH3208	✓			✓			
ITECH3215	Information Security	PR: ITECH2301 or ITECH5102	✓		✓	✓			
ITECH5007	Data Science for All		✓			✓			
ITECH5100	Understanding the digital revolution (Masters)	EX: GPSIT1100 & ITECH1100	✓		✓	✓			
ITECH5102	Networking and security (Masters)	EX: GPSIT1102 & ITECH1102	✓			✓			
ITECH5103	Big data and analytics (Masters)	EX: GPSIT1103 & ITECH1103	✓	✓		✓			

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ITECH5104	Foundations of programming (Masters)	EX: ITECH1000 & ITECH1400 & ITECH5000	✓			✓			
ITECH5402	Enterprise Systems	PR: ITECH5100	✓			✓			
ITECH5403	Comparative Programming Languages	PR: ITECH1400 or ITECH5100	✓						
ITECH5500	Professional Research & Communication	PR: ITECH1100 or ITECH5100 EX: ITECH5401	✓			✓			
ITECH7000	IT Professional Engagement		✓			✓			
ITECH7001	Artificial Intelligence and Machine Learning	PR: ITECH5104 EX: ITECH2111	✓			✓			
ITECH7400	IT Service Management and Professional Culture	PR: At least 60 credit points from ITECH subject-area at any level & ITECH1100 or ITECH5100 EX: ITECH7402	✓			✓			
ITECH7401	Leadership in IT Project Management	PR: ITECH1100 or ITECH5100	✓			✓			
ITECH7407	Real Time Analytics	PR: ITECH5402	✓			✓			
ITECH7409	Software Testing	PR: ITECH7410	✓			✓			
ITECH7410	Software Engineering Methodologies	PR: ITECH5104	✓			✓			
ITECH7413	Supply Chain Operations & Management	PR: ITECH5402	✓			✓			
ITECH7415	Masters Project	PR: ITECH5500 & ITECH7401 EX: ITECH7403 & ITECH7404 & ITECH7405 & ITECH7602	✓			✓			
ITECH7416	Masters Project 1	PR: ITECH7401 EX: ITECH7403 and ITECH7404 and ITECH7405 and ITECH7415 and ITECH7602	✓			✓			
ITECH7611	Introduction to Cyber Security Fundamentals and Practices		✓			✓			
ITECH7615	Cyber risk and incident management	PR: ITECH7614	✓			✓			
ITECH7620	Privacy and Trust	PR: ITECH7614	✓			✓			

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SCIENCE UNIT LIST
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Unit Code	Unit Name	Unit Rules	MTH	CHL	BER	ODL	FLXB	FLXG	FLXK
SCBCH1001	Introduction to Nutrition	EX: EDHPE4001 & HEALT2004	✓	✓	✓	✓			
SCBCH2001	Biochemistry	PR: SCBIO1001 & SCCHM1001 or SCCHM1002	✓	✓	✓	✓			
SCBCH3001	Lifespan Nutrition	PR: SCBCH1001 or SCFST1022 EX: HEALT3007 & SCFST3050				✓			
SCBIO1001	Principles of Biology	EX: BIOGC1722 & SCBIO1010 & SCCOR1100	✓	✓	✓	✓	✓	✓	✓
SCBRW5081	Brewing Raw Materials					✓			
SCBRW5083	Yeast and Fermentation					✓			
SCCHM1001	Chemistry 1		✓	✓	✓	✓			
SCCHM2001	Analytical Techniques	PR: SCCHM1001	✓	✓	✓	✓			
SCCHM3004	Organic Synthesis for Drug Design	PR: SCCHM2001	✓	✓	✓	✓			
SCCOR1200	Scientific Communication	PR: ENCOR1015 & MATHS1000	✓	✓	✓	✓			
SCCOR3000	Laboratory management and Quality Assurance					✓			
SCCOR3001	Research Project	PR: Successful completion of two years full time equivalent of a science degree EX: SCENV3903 & SCIGC3990	✓	✓	✓	✓			
SCCOR3002	Science Communication Project	PR: Completion of 240 credit points of a science degree				✓			
SCCOR3013	Workplace Experience	PR: 240 Credit Points & permission of the Unit Coordinator EX: IBLGC2030 & SCCOR3003 & SCCOR3011 & SCENV3000				✓			
SCCOR3015	Work Placement	PR: Completion of 240 credit points & enrolled in the SV5 (Bachelor of Veterinary and Wildlife Science)				✓			
SCENV1002	Biodiversity Conservation	EX: SCENV1502 & SCGEO1102	✓	✓	✓	✓			

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SCENV2100	Australian Fauna	PR: SCENV1001 or SCENV1002 or SCENV1502 EX: SCENV2111	✓	✓	✓	✓			
SCENV2200	Population and Community Ecology	PR: SCENV1002 or SCENV1502 EX: ENVGC2726	✓	✓	✓	✓			
SCENV2500	Field-Based Investigation	PR: SCENV1002 or SCENV1502	✓	✓	✓	✓			
SCENV3110	Fire Ecology: Burning Issues for Science and Management	PR: 60 Credit points in SCENV coded units				✓			
SCENV3120	Landscape Restoration and Mine Rehabilitation		✓	✓	✓	✓			
SCENV3912	Environmental Assessment	PR: At least 60 credit points from SCENV subject-area at any level EX: ENVGC3737 & SCENV3902				✓			
SCGEO1104	Landscape Evolution	EX: SX522	✓			✓			
SCGEO2106	Hydrology	PR: ENCOR1015 or MATHS1000 or SCCOR1300	✓			✓			
SCGEO3102	Petrology	PR: SCGEO2102	✓						
SCHON4001	Honours Research Methods 1		✓	✓	✓				
SCHON4002	Honours Literature Review		✓	✓	✓				
SCHON4003	Honours Research Project 1		✓	✓	✓				
SCHON4004	Honours Research Project 2	PR: SCHON4001 & SCHON4002 & SCHON4003	✓	✓	✓				
SCHON4005	Honours Communication and Application		✓	✓	✓				
SCMED2010	Pathophysiology 1	PR: SCBIO1020 OR HEALT1121 & HEALT1122 EX: BIOGC2731 & EDHPE4001	✓	✓	✓	✓			
SCMED3010	Pharmacology and Toxicology	PR: SCMED2011	✓	✓	✓	✓			
SCMIC2001	General Microbiology	PR: SCBIO1001 or SCBIO1010	✓	✓	✓	✓			
SCMIC3002	Food Microbiology	PR: SCMIC2001	✓	✓	✓	✓			

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SCMOL3001	Molecular Cell Biology	PR: SCBCH2001 EX: SCMED2031	✓	✓	✓	✓			
SCMOL3020	Immunology	PR: SCMED2010 EX: IMMGC3802 & SCMED2020 & SCMOL2020	✓	✓	✓	✓			
SCVET2001	Animal Management and Disease	PR: BIOGC1711 or SCBIO1020 & CHMGC1022 or SCCHM1002 EX: BIOGC2710	✓	✓	✓	✓			

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