BUSINESS UNIT LIST
Semester 2, 2024

Unit Code	Unit Name	Unit Rules	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK
BUACC2605	Computerised Accounting and Practice		✓	✓	✓	✓			
BUACC3701	Financial Management	PR: BUACC1508	✓	✓	✓	✓			
BUACC3714	Advanced Management Accounting	PR: BUACC1508	✓	✓	✓	✓			
BUACC3722	Banks and Financial Institutions	PR: BUACC1508	✓	✓	✓	✓			
BUENT3736	Digital Innovation and Change		✓	✓	✓	✓			
BUENT3737	Cognitive Enterprise Strategy	PR: BUENT2640	✓	✓	✓	✓			
BUEXC3504	International Exchange Study 3.4	PR: At least 120 credit points from ANY subject-area at any level				✓			
BUGEN3700	Industry Experience Project	PR: At least 120 credit points from any subject-area at any level				✓			
BUGEN3705	Business Internship 1	PR: At least 240 credit points from ANY subject-area at GPA 5 or above				✓			
BUGEN5930	Business, Society, and the Planet					✓			
BUHON4026	Honours Thesis (Full Time)	PR: BUHON4004 & BUHON4005 & BUHON4006 & BUHON4007				✓			
BUHRM5913	Managing People	EX: BUHRM5912	✓						
BULAW1502	Fundamentals of Law		✓	✓	✓	✓			
BULAW2611	Organisation Law	PR: BULAW1502 and BULAW1503	✓	✓	✓	✓			
BULAW3734	Taxation Law 2	PR: BULAW3733	✓	✓	✓	✓			
BULAW5914	Commercial Law					✓			
BULAW5915	Corporate Law	PR: BULAW5914				✓			

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BULAW5916	Taxation Law and Practice	PR: At least 60 credit points from a Business subject-area at 5000-5999 level & BUACC5930 or BULAW5914							
BUMGT2622	Work Futures		✓	✓	✓	✓			
BUMGT3702	Strategic Management	PR: BUMGT1501	✓	✓	✓	✓			
BUMGT3704	Managing Change	PR: BUMGT1501	✓	✓	✓	✓			
BUMGT6997	Experiential Learning Project	PR: BUMGT6976				✓			
BUMKT1501	Introduction to Marketing	EX: SPMAN1002	✓	✓	✓	✓	✓	✓	✓
BUMKT2603	Marketing Research	PR: BUMKT1501	✓	✓	✓	✓			
BUMKT3708	Social Media Marketing	PR: BUMKT1501 or SPMAN1002	✓	✓	✓	✓			
BUMKT3709	Marketing Strategy	PR: BUMKT1501 or SPMAN1002 EX: BUMKT3702	✓	✓	✓	✓			
BUMKT6902	Marketing Management	EX: BUMKT5902	✓						
COOPC1023	Professional Identity (Business)		✓	✓	✓				
COOPC2001	Community Impact Project 1	PR: 120 cp	✓	✓	✓				
COOPC2002	Innovation And Start-Up Project 1	PR: 120 cp	✓	✓	✓				
COOPC2003	Co-Operative Placement (Business)	PR: Minimum 120 credit points including COOPC1023 EX: BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014	✓	✓	✓				
COOPC2023	Experiential Learning (Business)					✓			

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	ENGINEERING UNIT LIST **Semester 2, 2024**								
Unit Code	**Unit Name**	**Unit Rules**	**MTH**	**CHLL**	**BER**	**ODL**	**FLXB**	**FLXG**	**FLXK**
COOPC1025	Professional Identity (Engineering)		✓	✓	✓				
COOPC2005	Co-Operative Placement (Engineering)	PR: Minimum 105 credit points EX: BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014	✓	✓	✓				
COOPC2025	Experiential Learning (Engineering)	PR: Completion of 240 credit points				✓			
DATSC5001	Advanced Data Science Project 1	PR: ITECH5500 or equivalent	✓			✓			
DATSC5002	Advance Data Science project 2		✓			✓			
ENGIN1005	Engineering Mechanics	EX: ENCOR1000 & ENCOR1021 & GPENG1005	✓	✓	✓	✓			
ENGIN2001	Professional Practice	PR: ENCOR1005 or ENGIN1001 EX: ENCOR3035				✓			
ENGIN2002	Engineering Project Management and Sustainable Design	EX: ENMEC2121 & ENMTX2050	✓	✓					
ENGIN2103	Principles of Renewable Energy Sources	PR: ENGIN1007 for undergraduate Students only	✓	✓		✓			
ENGIN2203	Structural Analysis	PR: ENCOR2030 or ENGIN2301 EX: ENCIV2310	✓	✓					
ENGIN2204	Introduction to Geotechnical Engineering	PR: ENGIN2301 EX: ENCIV2330	✓	✓					
ENGIN2303	Mechanism and Machine Theory	PR: ENCOR1000 or ENCOR1021 or ENGIN1005 EX: ENMEC2111	✓	✓					
ENGIN2304	Thermofluids	PR: ENGIN1005 & MATHS1001 EX: ENCOR2100	✓			✓			
ENGIN2404	Electrical and Electronic Drives and Actuators	PR: ENCOR1000 or ENCOR1021 or ENGIN1002 EX: ENMTX2040	✓	✓		✓			
ENGIN2503	Rock Mechanics Applications	EX: ENMIN3040 & ENMIN5160	✓			✓			

Unit Code	Unit Name	Unit Rules	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK
ENGIN3001	Engineering Research Methodology and Management	EX: ENCOR4010 & ENMTX4060	✓	✓		✓			
ENGIN3002	Engineering Design Project	PR: ENGIN2002 or ENMEC2121 or ENMTX2050 EX: ENCIV3360 and ENMEC2120 and ENMEC2121 and ENMEC3250 and ENMTX3800	✓	✓					
ENGIN3103	Power System Protection		✓	✓					
ENGIN3104	Digital Communication Principles	PR: ENGIN2102	✓	✓					
ENGIN3205	Road Engineering	PR: ENGIN3203 for undergraduate Students only EX: ENCIV3350	✓	✓					
ENGIN3206	Water and Wastewater	PR: ENCIV2320 or ENGIN2201 EX: ENCIV3320	✓	✓					
ENGIN3304	Thermodynamics	PR: ENGIN2304 for undergraduate Students only	✓						
ENGIN3305	Manufacturing Engineering	PR: ENGIN1003 EX: ENMEC3110	✓						
ENGIN3405	Digital Imaging and Artificial Intelligence	PR: MATHS3001 or MATHS3040 EX: ENMTX3030	✓	✓					
ENGIN3406	Intelligent Mechanisms Design	PR: ENGIN2303 or ENMEC2111 EX: ENMTX4010		✓					
ENGIN3503	Surface Mining Operations and Equipment	PR: ENGIN2502 for undergraduate Students only EX: ENMIN3070 and ENMIN5018	✓			✓			
ENGIN4002	Engineering Project 2	PR: ENCOR4100 or ENGIN4001 EX: ENCOR4200	✓	✓		✓			
ENGIN4102	Power Electronic Application to Renewable Energy Systems	PR: ENGIN3101	✓	✓					
ENGIN4203	Engineering Construction	PR: ENGIN2202	✓						
ENGIN4302	Energy Conversion	PR: ENGIN3304 EX: ENMEC4090	✓						
ENGIN4402	Digital and Embedded Systems	PR: ENGIN2105 or ENGIN2401 EX: ENMTX3050	✓	✓		✓			
ENGIN5002	Advanced Engineering Project 1	PR: ENGIN3001 or ENGIN5001 EX: ENCOR7020	✓						

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ENGIN5003	Advanced Engineering Project 2	PR: ENGIN5002 EX: ENCOR7030	✓	✓		✓			
ENGIN5101	IoT in Smart Energy Systems		✓			✓			
ENGIN5103	Electrical Demand Forecast and Management	PR: ENGIN3102	✓						
ENGIN5202	Advanced Structural Analysis I	PR: ENGIN3201	✓	✓					
ENGIN5208	Sustainable Engineering Practice		✓	✓					
ENGIN5209	Engineering Project Resource Planning		✓						
ENGIN5210	Engineering Project Execution		✓						
ENGIN5304	Advanced Robotics	EX: ENMEC7080	✓						
ENGIN5403	Advanced Industrial Robotic Systems			✓					
ENGIN5405	Advanced Control Systems Engineering	EX: ENMTX4020	✓	✓		✓			
ENGIN5501	Mine Safety and Environmental Engineering	**EX:** ENMIN5020	✓			✓			
ENGIN5503	Advanced Mine Ventilation	EX: ENMIN4050	✓			✓			
ENGIN5508	Smart Engineering Technologies	PR: ENGIN3001	✓			✓			
ENGIN5510	Company Economics and Finance	EX: ENMIN5150				✓			
ENGIN5515	Tunnelling and Mine Development	EX: ENMIN5120				✓			
MATHS1102	Linear Algebra and Applications	EX: MATHS1005	✓	✓	✓	✓	✓	✓	✓
MATHS2009	Space, Shape and design (intermediate level)	PR: Two mathematics unit or equivalent EX: MATHS1009	✓			✓			
MATHS2012	Graphs, Designs and Networks	PR: 1 Undergraduate mathematical unit	✓			✓			
MATHS3001	Modelling and Change (Advanced Level)	PR: MATHS1001 and At least 15 credit points from MATHS subject-area at any level EX: MATHS2006	✓	✓		✓			

Unit Code	Unit Name	Unit Rules	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK
MREGC5003	Industrial Techniques in Maintenance Management					✓			
MREGC5004	Asset Management Techniques					✓			
MREGC5006	Machine Condition Monitoring and Fault Diagnosis					✓			
MREGC5007	Risk Engineering					✓			
MREGC5101	Basic Quantitative Skills for Reliability Engineering					✓			
MREGC5102	Understanding Reliability					✓			
MREGC5103	Advanced Reliability					✓			
MREGC5104	Reliability Applications					✓			
SCMET3200	Mineral Processing II		✓			✓			
STATS1000	Statistical Methods		✓	✓	✓	✓			
STATS2100	Experimental Design & Analysis	PR: STATS1000	✓			✓			
STATS7101	Regression and multivariate data analysis	PR: STATS5000	✓			✓			

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	INFORMATION TECHNOLOGY UNIT LIST Semester 2, 2024									
Unit Code	Unit Name	Unit Rules	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK
COOPC1024	Professional Identity (Information Technology)		✓	✓	✓				
COOPC2004	Co-Operative Placement (Information Technology)	PR: Minimum 105 credit points EX BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014	✓	✓	✓				
COOPC2024	Experiential Learning (Information Technology)	PR: Completion of 240 credit points				✓			
ITECH1100	Understanding the Digital Revolution	EX: GPSIT1100 & ITECH5100	✓		✓	✓			
ITECH1101	IT Problem Solving	EX: GPSIT1101	✓	✓	✓	✓			
ITECH1102	Networking and Security	EX: GPSIT1102 & ITECH5102	✓		✓	✓			
ITECH1104	Cloud Computing and Enterprise	EX: GPSIT1104 & ITECH2201	✓	✓	✓	✓			
ITECH1400	Foundations of Programming	EX: ITECH5104	✓		✓	✓			
ITECH2001	Game Development Fundamentals	PR: ITECH1101 EX: GPSIT2001	✓	✓	✓	✓	✓	✓	✓
ITECH2004	Data Modelling	PR: ITECH1103	✓	✓	✓	✓			
ITECH2111	Artificial Intelligence	PR: ITECH 1100 and ITECH 1400 or ITECH2001 EX: ITECH7001	✓			✓			
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	✓			✓			
ITECH2302	Big Data Management	PR: ITECH1103	✓			✓			
ITECH2305	Analysing the Modern Business	PR: ITECH1100	✓		✓	✓			
ITECH2309	Software Engineering	PR: ITECH2306 EX: ITECH3201	✓			✓			
ITECH2313	Industry-Based Certification I		✓	✓	✓	✓			

Unit Code	Unit Name	Unit Rules	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK
ITECH3000	IT Professional Engagement		✓		✓	✓			
ITECH3002	Professionalism and Entrepreneurship	PR: ITECH2004 and ITECH2250 EX: ITECH3203	✓	✓	✓	✓			
ITECH3003	IT Professional Internship	PR: 4 units in the CI5 program	✓			✓			
ITECH3100	Cloud and Mobile Security	PR: ITECH2300 or ITECH5102 EX: ITECH3300	✓		✓	✓			
ITECH3102	Data Visualization	PR: ITECH2303	✓			✓			
ITECH3103	IT Strategy and Governance	PR: ITECH2305	✓		✓	✓			
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	✓	✓	✓	✓			
ITECH5100	Understanding the digital revolution	EX: GPSIT1100 & ITECH1100	✓			✓			
ITECH5103	Big data and analytics (Masters)	EX: GPSIT1103 & ITECH1103	✓			✓			
ITECH5104	Foundations or Programming	EX: ITECH1000 & ITECH1400 & ITECH5000	✓		✓	✓			
ITECH5402	Enterprise Systems	PR: ITECH5100	✓						
ITECH5403	Comparative Programming Languages	PR: ITECH1400 or ITECH5100	✓						
ITECH5404	Business Process Analytics and Change		✓			✓			
ITECH5500	Professional Research & Communication	PR: ITECH1100 or ITECH5100 EX: ITECH5401	✓			✓			
ITECH7000	IT Professional Engagement		✓			✓			
ITECH7001	Artificial Intelligence and Machine Learning	PR: ITECH5104 EX: ITECH2111	✓			✓			
ITECH7201	Software Engineering: Analysis and Design	PR: ITECH7410 EX: ITECH3201	✓						

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ITECH7400	IT Service management & professional culture	Atleast 60 credit points from ITECH subject-area at any level. PR: ITECH1100 or ITECH5100 EX: ITECH7402	✓			✓			
ITECH7401	Leadership in IT Project Management	PR: ITECH1100 or ITECH5100	✓		✓	✓			
ITECH7406	Business Intelligence and Data Warehousing	PR: ITECH5007 or ITECH5402	✓			✓			
ITECH7410	Software Engineering Methodologies	PR: ITECH5104	✓						
ITECH7415	Masters Project	PR: ITECH5500 & ITECH7401 EX: ITECH7403 & ITECH7404 & ITECH 7405 & ITECH7602	✓			✓			
ITECH7607	Electronic commerce security		✓			✓			
ITECH7611	Introduction to Cyber Security Fundamentals and Practices		✓		✓	✓			
ITECH7614	Data Analytics for Cyber Threat Intelligence		✓		✓	✓			
ITECH7615	Cyber risk and incident management	PR: ITECH7614	✓			✓			
ITECH7620	Privacy and Trust	PR: ITECH7614	✓			✓			
ITECH7624	Network Operating Systems and Aws Cloud		✓		✓	✓			

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SCIENCE UNIT LIST
Semester 2, 2024

Unit Code	Unit Name	Unit Rules	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK
COOPC1026	Professional Identity (Science)		✓	✓	✓				
COOPC2006	Co-Operative Placement (Science)	PR: Minimum 105 credit points EX BUGEN3751 & BUGEN3752 & SCCOR3003 & SCCOR3014	✓	✓	✓				
COOPC2026	Experiential Learning (Science)	PR: Completion of 240 credit points				✓			
SCBCH2002	Nutrition and Metabolism	PR: SCCHM1001	✓	✓	✓	✓			
SCBIO1020	Systems Biology	EX: HEALT1121 and HEALT1122	✓	✓	✓	✓			
SCBRW5082	The Brewing Process	PR: SCBRW5081				✓			
SCBRW5086	Downstream Processing					✓			
SCCHM1002	Chemistry 2		✓	✓	✓	✓			
SCCHM2002	Environmental Chemistry	PR: SCCHM1001				✓			
SCCHM3001	Medicinal Chemistry	PR: SCBCH2001	✓	✓	✓	✓			
SCCHM3003	Food Chemistry	PR: SCCHM2001 EX: SCFST3044	✓			✓			
SCCOR1300	Scientific Practice	EX: ENCOR1015 MATHS1000	✓	✓	✓	✓			
SCCOR2200	Advanced Scientific communication	PR: 60 credit points level 1000 units EX SCCOR1200				✓			
SCCOR3000	Laboratory management and Quality Assurance	PR: 240 Credit Points EX: SCFST3066 and SCIGC3716 and SCMED3011				✓			
SCCOR3001	Research Project	PR: Successful completion of two years full time equivalent (240 credit points) of a science degree EX: SCENV3903 and SCIGC3990	✓	✓	✓	✓			
SCCOR3002	Science Communication Project	PR: Successful completion of two years full time equivalent (240 credit points) of a science degree				✓			

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SCCOR3013	Workplace Experience	PR: 240 Credit Points and permission of the Unit Coordinator EX: IBLGC2030 and SCCOR3003 and SCCOR3011 and SCENV3000				✓			
SCCOR3015	Work Placement	PR: Completion of 240 credit points				✓			
SCENV1001	Environmental Studies	EX: SCENV1502 & SCGEO1102	✓	✓	✓	✓			
SCENV2101	Australian Flora	PR: SCBIO1010 or SCENV1002 or SCENV1502 EX: ENVGC2712	✓	✓	✓	✓			
SCENV2202	Wildlife Ecology and Conservation	PR: SCENV1002 or SCENV1502 EX: SCENV3202	✓	✓	✓	✓			
SCENV2600	Geographic Information Systems		✓	✓	✓	✓			
SCENV2804	Invasive Species: Ecology, Management and Challenges	EX: SCENV2800	✓	✓	✓	✓			
SCENV3204	Arid Zone: Ecology, Management and Challenges	PR: SCENV2021 EX: SCENV3203	✓	✓	✓	✓			
SCENV3400	Wetlands and Water Resources	PR: SCCHM1001 & SCENV1001 OR SCSUS1500 EX: SCENV2400	✓	✓	✓	✓			
SCENV3500	Climate and Environmental Issues in a Changing World	PR: SCENV1001 or SCSUS1500 EX: SCENV3501	✓	✓	✓	✓			
SCGEO1103	Planet Earth		✓			✓			
SCGEO2103	Structural Geology	PR: SCGEO1103	✓						
SCGEO2107	Fieldwork Principles and Practice	PR: SCGEO1103 & SCGEO2111 & SCGEO2112	✓						
SCGEO3105	Applied Stratigraphy	PR: SCGEO2104	✓						
SCGEO3115	Geochemical and Geophysical Techniques	PR: Successful completion of 120 credit points, including SCGEO1103	✓						
SCGEO3116	Economic Geology	PR: SCGEO1102 or SCGEO1103 EX: SCGEO2105				✓			
SCHON4001	Honours Research Methods		✓	✓	✓				
SCHON4002	Honours Literature Review		✓	✓	✓				
SCHON4003	Honours Research Project 1		✓	✓	✓				

Unit Code	Unit Name	Unit Rules	MTH	CHLL	BER	ODL	FLX	FLX	FLX
SCHON4004	Honours Research Project 2	PR: SCHON4001 & SCHON4002 & SCHON4003	✓	✓	✓				
SCHON4005	Honours Communication & Application		✓	✓	✓				
SCMED2011	Pathophysiology 2	PR: BIOGC1711 or SCBIO1020 or SCMED1014 EX: BIOGC2732	✓	✓	✓	✓			
SCMED3034	Histopathology and Haematology	PR: SCMED2010 & SCMED2011 EX: SCMED3032 & SCMED3033	✓		✓	✓			
SCMIC3003	Clinical Microbiology	PR: SCMOL2001 or SCMIC2001	✓	✓	✓	✓			
SCMOL2001	Biotechnology Laboratory Techniques	PR: SCMIC2001	✓	✓	✓	✓			
SCMOL2010	Mammalian Genetics	PR: SCBIO1001 or SCBIO1010 or SCBIO1020	✓	✓	✓	✓			
SCMOL3010	Advanced Methods in Biotechnology	PR: SCMOL2001 & SCBCH2001 or SCMIC2001 or SCMOL2010	✓	✓		✓			
SCSUS1500	Sustainable Earth	EX: SCENV1500	✓	✓	✓	✓			
SCVET3001	Case Studies in Animal Management	PR: BIOGC2710 or SCVET2001 EX: BIOGC3712	✓	✓	✓	✓			

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