

BUSINESS COURSE LISTING
Semester 2, 2022

Course Code	Course Name	Course Rules (PR: Pre-requisite, EX: Exclusion)	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK	BRI
BSMAN3005	Project Management					✓				
BSMAN3008	Marketing for Managers					✓				
BSMAN3009	Accounting for Managers					✓				
BUACC1508	Principles of Accounting and Finance		✓		✓	✓				
BUACC2603	Corporate Accounting	PR: [BUACC1506 or BUACC1508] & BUACC1507				✓				
BUACC2605	Computerised Accounting and Practice		✓			✓				
BUACC2607	Corporate Reporting	PR: BUACC1508	✓			✓				
BUACC3701	Financial Management	PR: BUACC1508	✓			✓				
BUACC3710	Financial Planning					✓				
BUACC3714	Advanced Management Accounting	PR: BUACC1508	✓			✓				
BUACC3741	Auditing	PR: BUACC1508	✓			✓				
BUACC5930	Accounting Concepts and Practices					✓				✓
BUACC5931	Research and Statistical Methods for Business					✓				
BUACC5932	Corporate Accounting	PR: BUACC5930				✓				
BUACC5933	Cost and Management Accounting	PR: BUACC5930				✓				
BUACC5937	Information Systems Design and Development for Accountants					✓				
BUECO1508	Business Macroeconomics	PR: BUECO1507 or BUECO1509	✓							

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BUECO1509	Principles of Economics		✓		✓	✓	✓	✓	✓	
BUECO2622	Financial Markets and Institutions	PR: BUECO1509 or BUECO1509				✓				
BUECO3722	Banking and Finance	PR: [BUECO1507 or BUECO1508 or BUECO1509] & Completion of 1 course from BUECO at 2nd-year level	✓			✓				
BUECO5903	Business Economics					✓				✓
BUENT1501	Creativity and Innovation		✓	✓	✓	✓				
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				✓				
BUENT3733	Entrepreneurial Business Planning	PR: BUACC1508 & BUENT3735 & BUMGT2614				✓				
BUENT3737	Cognitive Enterprise Strategy					✓				
BUGEN1502	Business Statistics		✓	✓	✓	✓				
BUGEN3711	Applied Principles for Business Practice	EX: BUGEN2630				✓				
BUGEN5930	Business, Society, and the Planet					✓				✓
BUGEN6920	Professional Experience	PR: At least 180 credit points from program MM9 or MM9.EL or MM9.HSM or MM9.IB				✓				
BUHON4026	Honours Thesis (Full Time)	PR: BUHON4004 & BUHON4005 & BUHON4006 & BUHON4007				✓				
BUHRM1501	Introduction to Human Resource					✓				
BUHRM2601	Human Resource Development	PR: BUHRM1501				✓				
BUHRM3702	Strategic Human Resource Management	PR: BUHRM1501				✓				
BUHRM3706	Employment Practice					✓				
BUHRM5913	Managing People	EX: BUHRM5912				✓				✓

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BULAW1502	Fundamentals of Law		✓	✓	✓	✓				
BULAW1503	Commercial Law	PR: BULAW1502			✓	✓				
BULAW2611	Organisation Law	PR: BULAW1502 and BULAW1503	✓			✓				
BULAW2642	Employment Law	PR: BULAW1502	✓			✓				
BULAW3733	Taxation Law 1	PR: BUACC1508 and BULAW1502				✓				
BULAW3734	Taxation Law 2	PR: BULAW3733				✓				
BULAW5914	Commercial Law					✓				✓
BULAW5915	Corporate Law	PR: BULAW5914				✓				✓
BUMGT1501	Management Principles					✓				
BUMGT1502	Contemporary Business		✓		✓	✓				
BUMGT2614	Project Management	PR: At least 60 credit points from Business subject-area at any level	✓		✓	✓				
BUMGT2621	Business Communications					✓				
BUMGT2622	Work Futures		✓		✓	✓				
BUMGT2623	Leading Organisations					✓				
BUMGT3702	Strategic Management	PR: BUMGT1501			✓	✓				✓
BUMGT3704	Managing Change	PR: At least 15 credit points from BUENT or BUMGT or BUMKT subject-area at any level				✓				
BUMGT3715	Designing Effective Orgs	PR: BUMGT1501			✓	✓				
BUMGT5922	Effective Business Communication		✓			✓				✓
BUMGT5976	Strategic Management	PR: At least 120 credit points from program MM9 or MM9.EL or MM9.HSM or MM9.IB				✓				

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BUMGT5977	Innovation and Entrepreneurship					✓				
BUMGT5981	Analytical Decision Making	EX: BUMGT5980	✓			✓				✓
BUMGT6920	Professional Development	PR: At least 180 credit points from program MM9 or MM9.EL or MM9.HSM or MM9.IB	✓			✓				✓
BUMGT6928	Developing Leaders in the Global Context		✓			✓				✓
BUMGT6958	Comparative Issues in International Management		✓			✓				✓
BUMGT6973	Project Management	PR: At least 120 credit points from ANY subject-area at 5000-8999 level	✓			✓				✓
BUMKT1501	Introduction to Marketing	EX: SPMAN1002	✓	✓	✓	✓				
BUMKT2602	Consumer Behaviour	PR: BUMKT1501 or SPMAN1002			✓	✓	✓	✓	✓	
BUMKT3701	Marketing Communication	PR: BUMKT1501 or SPMAN1002	✓			✓				
BUMKT3708	Social Media Marketing	PR: BUMKT1501 or SPMAN1002			✓	✓				
BUMKT3709	Marketing Strategy	PR: BUMKT1501 or SPMAN1002 EX: BUMKT3702				✓				
BUMKT5902	Marketing Management					✓				✓
BUMKT6922	Marketing in the International					✓				

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ENGINEERING COURSE LISTING

Semester 2, 2022

Course Code	Course Name	Course Rules (PR: Pre-requisite, EX: Exclusion)	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK	BRI
ENGIN1004	Engineering Design and Drafting	EX: ENCOR1010	✓	✓		✓				
ENGIN1005	Engineering Mechanics	EX: ENCOR1000 & ENCOR1021	✓	✓		✓				
ENGIN1006	Engineering Computer Modelling	EX: ENCOR1021	✓	✓		✓				
ENGIN2002	Engineering Project Management and Sustainable Design	PR: ENCOR1005 or ENGIN1001 EX: ENMEC2121 & ENMTX2050	✓	✓						
ENGIN2103	Principles of Renewable Energy Sources	PR: ENGIN1002	✓			✓				
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 EX: ENCOR2100	✓			✓				
ENGIN2404	Electrical and Electronic Drives and Actuators	PR: ENCOR1000 or ENCOR1021 or ENGIN1002 EX: ENMTX2040	✓	✓						
ENGIN2503	Rock Mechanics Applications	PR: ENCOR2030 or ENGIN2301 EX: ENMIN3040 & ENMIN5160	✓			✓				
ENGIN3001	Engineering Research Methodology and Management	PR: ENCOR1005 & ENGIN1001 EX: ENCOR4010 & ENMTX4060	✓	✓		✓				
ENGIN3002	Engineering Design Project	PR: ENGIN2002 or ENMEC2121 or ENMTX2050 EX: ENCIV3360 & ENMEC2120 & ENMEC3250 & ENMTX3800	✓	✓						
ENGIN3205	Road Engineering	PR: ENCIV3340 or ENGIN3203 EX: ENCIV3350	✓	✓						

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ENGIN3206	Water and Wastewater	PR: ENCIV2320 or ENGIN2201 EX: ENCIV3320	✓	✓						
ENGIN3304	Thermodynamics	PR: ENGIN2304 and ENCOR2100 EX: ENMEC3071	✓							
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 or ENMIN2040 EX: ENMIN3070 and ENMIN5018	✓			✓				
ENGIN4002	Engineering Project 2	PR: ENCOR4100 or ENGIN4001 EX: ENCOR4200	✓	✓		✓				
ENGIN4102	Power Electronic Application to Renewable Energy Systems	PR: ENGIN3101	✓							
ENGIN4201	Management of Water Resources	PR: ENGIN3206 or ENGGC3204 EX: ENGGC4203	✓	✓						
ENGIN4302	Energy Conversion	PR: ENGIN3304 or ENMEC3071 EX: ENMEC4090	✓							
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		✓			✓				
ENGIN5210	Engineering Project Execution		✓							
ENGIN5304	Advanced Robotics	EX: ENMEC7080	✓							
ENGIN5405	Advanced Control Systems Engineering	PR: ENGIN3404 or ENMTX3040 EX: ENMTX4020	✓	✓						

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ENGIN5501	Mine Safety and Environmental Engineering					✓				
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				✓				
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	EX: MREGC5005				✓				
MREGC5102	Understanding Reliability					✓				
MREGC5103	Advanced Reliability	PR: MREGC5005, MREGC5101, MREGC5102				✓				
MREGC5104	Reliability Applications	PR: MREGC5101 or MREGC5102 or MREGC5103				✓				

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INFORMATION TECHNOLOGY COURSE LISTING
Semester 2, 2022

Course Code	Course Name	PR - Pre-Requisite EX - Exclusion	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK	BRI
ITECH1100	Understanding the Digital Revolution		✓							✓
ITECH1101	IT Problem Solving					✓				✓
ITECH1102	Networking and Security		✓		✓	✓				✓
ITECH1103	Big Data and Analytics		✓		✓	✓				✓
ITECH1104	Cloud Computing and Enterprise		✓		✓	✓				✓
ITECH1400	Foundations of Programming	EX: ITECH1000 and ITECH5000	✓			✓				
ITECH2000	Mobile Development Fundamentals	PR: ITECH1101 EX: ITECH1300	✓		✓	✓				✓
ITECH2001	Game Development Fundamentals	PR: ITECH1101	✓		✓	✓	✓	✓	✓	✓
ITECH2004	Data Modelling	PR: ITECH1103	✓		✓	✓				✓
ITECH2111	Artificial Intelligence	PR: ITECH1000 EX: ITECH6111	✓							
ITECH2250	IT Project Management Techniques	PR: ITECH1001 and at least 7 computing courses 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	✓		✓	✓				
ITECH2306	Agile Coding	PR: ITECH2000 and ITECH2001 or ITECH1000 or ITECH1400 EX: ITECH2100				✓				
ITECH2307	3D Modelling and Animation	PR: ITECH2001 EX: ITECH3221 and ITECH3223 and ITECH3228	✓			✓				
ITECH2309	Software Engineering	PR: ITECH2100 or ITECH2306 EX: ITECH3201	✓			✓				

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ITECH2310	Cloud Infrastructure and Services	PR: ITECH1104 EX: ITECH2201	✓			✓				
ITECH2312	Industry Experience 2	PR: 8 computing courses	✓			✓				
ITECH3000	IT Professional Engagement					✓				✓
ITECH3002	Professionalism and Entrepreneurship	PR: ITECH2004 and ITECH2250 EX: ITECH3203	✓		✓	✓				✓
ITECH3100	Cloud and Mobile Security	PR: ITECH1102 EX: ITECH3300	✓			✓				
ITECH3102	Data Visualization	PR: ITECH1103	✓			✓				
ITECH3103	IT Strategy and Governance	PR: ITECH1100	✓			✓				✓
ITECH3104	Game Programming	PR: ITECH2100 or ITECH2306 EX: ITECH3205 and ITECH3206	✓			✓				
ITECH3109	Data Structures and Algorithms	PR: ITECH2100 or ITECH2306 EX: ITECH3218	✓			✓				
ITECH2308	Contemporary Mainframes	PR: ITECH1104	✓							
ITECH3209	Project 2	PR: ITECH3208	✓	✓	✓	✓				✓
ITECH5402	Enterprise Systems					✓				✓
ITECH5403	Comparative Programming Languages	PR: ITECH1000 or ITECH1400	✓			✓				
ITECH5404	Business Process Analytics and Change		✓			✓				✓
ITECH5500	Professional Research & Communication	PR: ITECH1100 EX: ITECH5401	✓			✓				✓
ITECH7000	Professional Engagement					✓				
ITECH7201	Software Engineering: Analysis and Design	PR: ITECH1000 or ITECH1400 EX: ITECH3201	✓							✓
ITECH7301	The Vision of the Cognitive Enterprise	CO: ITECH7302	✓			✓				
ITECH7303	Emergent Intelligent Workflows					✓				

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ITECH7401	IT Project Management Leadership	PR: ITECH1100	✓			✓				✓
ITECH7406	Business Intelligence and Data Warehousing	PR: ITECH1006 or ITECH1103	✓			✓				
ITECH7415	Masters Project	PR: ITECH5500 and ITECH7401 EX: ITECH7403 and ITECH7404 and ITECH7405 and ITECH7602	✓			✓				✓
MATHS1005	Secrets of the Matrix		✓	✓		✓				
MATHS2009	Space, Shape and Design (Intermediate level)	PR: One mathematics course or equivalent EX: MATHS1009	✓			✓				
MATHS2012	Maths, Digraphs and Networks	PR: 1 undergraduate mathematical course	✓			✓				
MATHS3001	Modelling and Change (Advanced level)	PR: MATHS1001 and at least 15 credit points for MATHS subject-area at any level EX: MATHS2006	✓	✓		✓				
MATHS3004	Modelling the Environment	MATHS2016				✓				
STATS1000	Statistical Methods	EX: SCIGC1020	✓	✓	✓	✓				
STATS2100	Experimental Design and Analysis	PR: STATS1000	✓			✓				

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SCIENCE COURSE LISTING Semester 2, 2022

Course Code	Course Name	PR - Pre-Requisite EX - Exclusion	MTH	CHLL	BER	ODL	FLXB	FLXG	FLXK	BRI
SCBCH2002	Nutrition and Metabolism	PR: CHMGC1011 or SCCHE1011 or SCCHM1001 EX: BTHGC2752 and SCBIO2054	✓	✓	✓	✓				
SCBIO1020	Systems Biology	EX: BIOGC1711, HEALT1111, HEALT1112 and SCMED1014	✓	✓	✓	✓	✓	✓	✓	
SCBRW5082	The Brewing Process	PR: SCBRW5081				✓				
SCBRW5086	Downstream Processing					✓				
SCCHM1002	Chemistry 2	EX: CHMGC1022 or SCCHE1012	✓	✓	✓	✓				
SCCHM2002	Environmental Chemistry	PR: CHMGC1011 or SCCHE1011 or SCCHM1001 EX: CHMGC2752				✓				
SCCHM3001	Medicinal Chemistry	PR: BTHGC2741 or SCBCH2001	✓	✓	✓	✓				
SCCHM3003	Food Chemistry	PR: SCCHM2001	✓			✓				
SCCOR1200	Scientific Communication	EX: SCCOR1001, SCIGC1010 and SCMED1010	✓	✓	✓	✓				
SCCOR3001	Research Project	PR: Successful completion of two years full time equivalent of a science degree EX: SCENV3903 and SCIGC3990	✓	✓	✓	✓				
SCCOR3002	Science Communication Project	PR: Successful completion of two years full time equivalent of a science degree	✓	✓	✓	✓				
SCCOR3013	Workplace Experience	PR: 240 Credit Points and permission of the Course Coordinator EX: IBLGC2030 and SCCOR3003 and SCCOR3011 and SCENV3000				✓				
SCENV1002	Biodiversity Conservation		✓	✓	✓	✓				
SCENV2101	Australian Flora	PR: SCBIO1010 or SCENV1002 or SCENV1502	✓	✓	✓	✓				
SCENV2202	Wildlife Ecology and Conservation	PR: SCENV1002 or SCENV1502 EX: SCENV3202	✓	✓	✓	✓				
SCENV2500	Field-Based Investigation	PR: SCENV1002 or SCENV1502	✓	✓	✓	✓				

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SCENV2804	Invasive Species: Ecology, Management and Challenges	EX: SCENV2800	✓	✓	✓	✓				
SCENV3204	Arid Zone: Ecology, Management and Challenges	PR: SCENV2021 EX: SCENV3203	✓	✓	✓	✓				
SCENV3500	Climate and Environmental Issues in a Changing World	PR: SCENV1001 or SCSUS1500	✓	✓	✓	✓				
SCFST3026	Product & Process Development	PR: SCCHM2001, SCFST2023, SCMIC2001 and SCMOL2001	✓			✓				
SCGEO1103	Planet Earth		✓			✓				
SCGEO2102	Optical Mineralogy	PR: SCEGO1103	✓							
SCGEO2103	Structural Geology	PR: SCGEO1103	✓							
SCGEO2105	Economic Geology	PR: SCGEO1102 or SCGEO1103	✓			✓				
SCGEO2107	Fieldwork Principles and Practice	PR: SCGEO1103, SCGEO2103, SCGEO2112	✓							
SCGEO3104	Fieldwork	PR: SCGEO2103, SCGEO2107, SCGEO2102	✓							
SCHON4001	Honours Research Methods		✓	✓	✓					
SCHON4002	Honours Literature Review		✓		✓					
SCHON4005	Honours Communication & Application		✓	✓	✓					
SCMED2011	Pathophysiology 2	PR: BIOGC1711 or SCBIO1020 or SCMED1014	✓	✓	✓	✓				
SCMED3034	Histopathology and Haematology	PR: SCMED2010 and SCMED2011	✓		✓	✓				
SCMET3200	Mineral Processing II	PR: SCMET3100	✓			✓				
SCMIC3003	Clinical Microbiology	PR: MICGC2001 or MICGC2011 or SCBIO1032 or SCMIC2001	✓	✓	✓	✓				
SCMOL2001	Biotechnology Laboratory Techniques	PR: MICGC2001 or MICGC2011 or SCBIO1032 or SCMIC2001	✓	✓	✓	✓				
SCMOL2010	Mammalian Genetics	PR: BIOGC1722 or SCBIO1001 or SCBIO1010 or SCBIO1020 or SCMED1014 EX: SCMED2031	✓	✓	✓	✓				

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SCMOL3010	Advanced Methods in Biotechnology	PR: SCMOL2001 and SCBCH2001 or SCMIC2001 or SCMOL2010	✓	✓		✓				
SCSUS1500	Sustainable Earth	EX: SCENV1500	✓	✓	✓	✓				
SCVET3001	Case Studies in Animal Management	PR: BIOGC2710 or SCVET2001	✓	✓	✓	✓				

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