

## Faculty of Engineering Mechanical and Mechatronics Engineering

Level	Semester 1			Semester 2		
	Course Code	Course Name	Units	Course Code	Course Name	Units
1	ENGG1013	Engineering Drawing and Computer Drafting	1	ELEC1100	Principles of Electrical Circuits	2
	MATH1000	Mathematical Foundations	2	MATH1100	Calculus & Linear Algebra	2
	CHEM1020	General Chemistry	2	ENGG1010	Applied Mechanics	2
	COMP1500	Introduction to Programming	2	ENGG1023	Engineering of Materials	2
	UNIR 1100	Communication Skills I	2	UNIR 1001	Oman and Islamic Studies	1
2	CIVE2310	Strength of Materials	2	METR2000	Fundamentals of Mechatronics	2
	MATH2100	Calculus & Statistics	2	MECH2108	Mechanical Drawing and Design Fundamentals	2
	ELEC2113	Instrumentation & Measurement	2	MECH2413	Fluids Mechanics	2
	MECH2118	Manufacturing Processes	2	UNIR2100	Communication Skills II	2
	UNIR2001	Entrepreneurship	2	UNIR1002	Arabic Skills	1
3	MECH3800	Non-Destructive testing & Metrology	2	METR3013	Programmable Logic Controllers and Automation	2
	ENGG3700	Numerical Analysis & Optimization	2	MECH3313	Advanced Machine Design & Finite Elements	2
	METR3200	Control System Engineering	2	MECH3508	Thermodynamics	2
	MECH3408	Heat Transfer	2	UNIR3100	Communication Skills III	2
4	ENGG4801A	Thesis Project	2	ENGG4801B	Thesis Project	2
	MECH4213	Robot Dynamics and Mechanical Vibrations	2	MECH4513	Refrigeration & Heat Engines	2
	MECH4913	Design Project A	2	MECH4914	Design Project B	2
	METR4913	Computer Vision and Image Processing	2	MECH4012	Advanced Manufacturing technology	2

## Faculty of Engineering- Chemical Engineering

Level	Semester 1			Semester 2		
	Course Code	Course Name	Units	Course Code	Course Name	Units
1	ENGG1013	Engineering Drawing and Computer drafting	1	ELEC1100	Principles of Electrical Circuits	2
	UNIR1100	Communication Skills I	2	MATH1100	Calculus & Linear Algebra	2
	MATH1000	Mathematical Foundations	2	ENGG1010	Applied Mechanics	2
	CHEM1020	General Chemistry	2	ENGG1023	Engineering of Materials	2
	COMP1500	Introduction to Programming	2	UNIR1001	Oman & Islamic Studies	1
2	MATH2100	Calculus & Statistics	2	CHEM2002	Process Systems Analysis	2
	CHEM2000	Chemistry for Engineers	2	CHEM2056	Physical & Surface Chemistry	2
	CHEM2001	Introduction to Chemical Engineering	2	CHEM2004	Fundamentals of Fluid Mechanics	2
	ELEC 2113	Instrumentation & Measurement	2	UNIR2100	Communication Skills II	2
	UNIR 2001	Entrepreneurship	2	UNIR1002	Arabic Language Skills	1
3	CHEM3011	Separation Processes -I	2	CHEM3012	Separation Processes -II	2
	CHEM3008	Chemical Process Industries	2	CHEM3010	Process Modeling and Dynamics	2
	CHEM3000	Heat Transfer	2	CHEM3003	Process Engineering Thermodynamics	2
	ENGG3700	Numerical Analysis & Optimization	2	UNIR3100	Communication Skills III	2
4	ENGG4801A	Thesis Project	2	ENGG4801B	Thesis Project	2
	CHEM4005	Reaction Engineering	2	ENGG4000	Renewable & Sustainable Energy	2
	CHEM4004	Process & Control Systems Design	2	CHEM4015	Waste treatment processes	2
	CHEM4007A	Process Design Practice	2	CHEM4007B	Process Design Practice	2

## Faculty of Engineering- Civil Engineering

Level	Semester 1			Semester 2		
	Course Code	Course Name	Units	Course Code	Course Name	Units
1	ENGG1013	Engineering Drawing and Computer Drafting	1	ELEC1100	Principles of Electrical Circuits	2
	MATH1000	Mathematical Foundations	2	MATH1100	Calculus & Linear Algebra	2
	CHEM1020	General Chemistry	2	ENGG1010	Applied Mechanics	2
	COMP1500	Introduction to Programming	2	ENGG1023	Engineering of Materials	2
	UNIR 1100	Communication Skills I	2	UNIR 1001	Oman and Islamic Studies	1
2	CIVE2310	Strength of Materials	2	CIVE2120	Fundamental of Fluid Mechanics	2
	MATH2100	Calculus & Statistics	2	CIVE2210	Fundamentals of Engineering Geology & Soil Mechanics	2
	CIVE2610	Intro to Civil Engineering & Environmental Issues	2	CIVE2320	Introduction to Structural Analyses and Design	2
	CIVE2710	Surveying	2	UNIR2100	Communication Skills II	2
	UNIR2001	Entrepreneurship	2	UNIR1002	Arabic Skills	1
3	ENGG3700	Numerical Analyses & Optimization	2	CIVE3350	Design of Reinforced Concrete Structures	2
	CIVE3340	Structural Analysis	2	CIVE3410	Traffic and Transportation Engineering	2
	CIVE3110	Hydrology	2	CIVE3220	Geotechnical Engineering	2
	CIVE3360	Structural Steel Design	2	UNIR3100	Communication Skills III	2
4	CIVE4510A	Civil Engineering Design	2	CIVE4510B	Civil Engineering Design	2
	CIVE4130	Water Resources Engineering	2	CIVE4140	Waste Treatment Processes	2
	CIVE4810	Project Management	2	CIVE4420	Highway Engineering and Road Safety	2
	ENGG4801A	Thesis Project	2	ENGG4801B	Thesis Project	2

## Faculty of Engineering- Electrical and Computer Engineering

Level	Semester 1			Semester 2		
	Course Code	Course Name	Units	Course Code	Course Name	Units
1	ENGG1013	Engineering Drawing and Computer drafting	1	ELEC1100	Principles of Electrical Circuits	2
	UNIR1100	Communication Skills I	2	MATH1100	Calculus & Linear Algebra	2
	MATH1000	Mathematical Foundations	2	ENGG1010	Applied Mechanics	2
	CHEM1020	General Chemistry	2	ENGG1023	Engineering Materials	2
	COMP1500	Introduction to Programming	2	UNIR1001	Oman and Islamic Culture	1
2	ELEC2200	Electrical and Electronic Circuit Analysis	2	ELEC2013	Signals & Systems	2
	ELEC2113	Instrumentation & Measurement	2	ELEC2300	Electrical Energy Conversion & Utilisation	2
	COMP2101	Introduction to Digital Systems	2	COMP2113	Fundamentals of Computer Systems	2
	MATH2100	Calculus & Statistics	2	UNIR2100	Communication Skills II	2
	UNIR2001	Entrepreneurship	2	UNIR1002	Arabic Language Skills	1
3	ELEC3000	Control Systems Engineering	2	ELEC3500	Power Electronics	2
	ELEC3400	Electronic Circuits	2	COMP3300	Microprocessors & Microcontrollers	2
	ELEC3100	Fundamentals of Electromagnetic Fields & Waves	2	COMS3100	Introduction to Communication Systems	2
	ENGG3700	Numerical Analysis & Optimisation	2	UNIR3100	Communication Skills III	2
4	ENGG4801A	Thesis Project	2	ENGG4801B	Thesis Project	2
	ELEC4300	Power Systems Analysis	2	ENGG4000	Renewable & Sustainable Energy	2
	COMP4500	Computer Vision & Image Processing	2	COMS4100	Advanced Digital Communication Theory & Systems	2
	COMP4200	Computer Systems Architecture	2	ELEC4000	Embedded Systems Design	2