



Sohar University

Program Matrix Form

1. Faculty	Engineering
2. Program	Mechanical and Mechatronic Engineering
3. Academic Year	2017-2018

level	Semester I			Semester II		
	Course code	units	Course Name	Course Code	units	Course Name
1	ENGG1013	1	Engineering Drawing and Computer Drafting	ELEC1100	2	Principles of Electrical Circuits
	UNIR1000	2	Communication Skills	MATH1100	2	Calculus & Linear Algebra
	MATH1000	2	Mathematical Foundations	ENGG1010	2	Applied Mechanics
	CHEM1020	2	General Chemistry	ENGG1023	2	Engineering Materials
	COMP1500	2	Introduction To Programming	UNIR1001	1	Oman and Islamic Culture
2	MECH2308	2	Strength of Materials	METR2000	2	Fundamentals of Mechatronics
	MATH2100	2	Calculus & Statistics	MECH2108	2	Mechanical Drawing and Design Fundamentals
	ELEC2113	2	Instrumentation & Measurement	MECH2413	2	Fluids Mechanics
	MECH2118	2	Manufacturing Processes	UNIR2000	2	Organizational Communication
	UNIR2001	2	Entrepreneurship	UNIR1002	1	Arabic Language skills
3	MECH3800	2	Non-Destructive testing & Metrology	METR3013	2	Programmable Logic Controllers and Automation
	ENGG3700	2	Numerical Analysis & Optimization	MECH3313	2	Advanced Machine Design & Finite Elements
	METR3200	2	Control System Engineering	MECH3508	2	Thermodynamics
	MECH3408	2	Heat Transfer	UNIR3000	2	Research Methodology
4	ENGG4801A	2	Thesis Project	ENGG4801B	2	Thesis Project
	METR4913	2	Computer Vision and Image Processing	MECH4012	2	Advanced Manufacturing Technology
	MECH4913	2	Design Project A	MECH4914	2	Design Project B
	MECH4012	2	Advanced Manufacturing technology	MECH4513	2	Refrigeration & Heat Engines

Diploma **37 units**

Advanced Diploma **53 units**

Bachelor of Engineering **69 units**