

Academic Form-38: PROGRAM MATRIX								
Faculty	Engineering							
Program	Civil Engineering							
Award	Bachelor in Engineering							
Credit Units	69							
Academic Year	2023/2024							

Level	Semester 1					Semester 2				
	Course Code	Course Name	Pre- requisite	Core/ Elective	Units	Course Code	Course Name	Pre- requisite	Core/ Elective	Units
1	ENGG1013	Engineering Drawing and Computer drafting	None	Core	1	ELEC1100	Principles of Electrical Circuits	None	Core	2
	UNIR1100	Communication Skills I	None	Core	2	MATH1100	Calculus & Linear Algebra	MATH1000	Core	2
	MATH1000	Mathematical Foundations	Set 3 Math	Core	2	ENGG1010	Applied Mechanics	None	Core	2
	CHEM1020	General Chemistry	None	Core	2	ENGG1023	Engineering of Materials	None	Core	2
	COMP1500	Introduction to Programming	None	Core	2	UNIR1001	Oman and Islamic Culture	None	Core	1
2	CIVE2310	Strength of Materials	ENGG1010	Core	2	CIVE2120	Fundamental of Fluid Mechanics	None	Core	2
	CIVE2610	Intro to Civil Engineering & Environmental Issues	None	Core	2	CIVE2210	Fundamentals of Engineering Geology & Soil Mechanics	None	Core	2
	CIVE2710	Surveying	None	Core	2	CIVE2320	Introduction to Structural Analysis and Design	ENGG1010	Core	2



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	MATH2100	Calculus & Statistics	MATH1100	Core	2	UNIR2100	Communication Skills II	None	Core	2
	UNIR2001	Entrepreneurship	None	Core	2	UNIR1002	Arabic Language Skills	None	Core	1
3	CIVE3340	Structural Analysis	CIVE2320	Core	2	CIVE3350	Design of	CIVE2320	Core	
							Reinforced			
							Concrete			2
							Structures			
	CIVE3110	Hydrology	None	Core	2	CIVE3410	Traffic and	None		
							Transportation		Core	2
							Engineering			
	CIVE3360	Structural Steel	CIVE2320	Core	2	CIVE3220	Geotechnical	CIVE2210	Core	2
		Design					Engineering			
		Numerical				UNIR3100	Communication			
	ENGG3700	Analysis &	None	Core	2	UNIKSTOO	Skills III	None	Core	2
		Optimization					OKIIIS III			
	CIVE4510A	Civil Engineering	CIVE3350	Core	2	CIVE4510B	Civil Engineering	CIVE3350	Core	2
		Design					Design			
	CIVE4130	Water Resources	None	Core	2	CIVE4140	Waste Treatment	None	Core	2
		Engineering					Process			
4	CIVE4810	Project	•	Core	2	CIVE4420	Highway	None		
		Management	None				Engineering and		Core	2
		wanayement					Road Safety			
	ENGG4801A	Thesis Project	None	Core	2	ENGG4801B	Thesis Project	None	Core	2