

Programme Matrix for Students Intake of AY2021-2022 until AY2024-2025

Programme Matrix

Faculty	Engineering
Program	Civil Engineering
Award	Bachelor of Engineering Civil Engineering
Credit Unit/Hour	69 units/133 Credit Hours
Academic Year	2025-2026

Level	Semester 1						Semester 2					
	Course Code	Course Name	Pre-requisite	Core/Elective	Units	CHrs	Course Code	Course Name	Pre-requisite	Core/Elective	Units	CHrs
1	CHEM1020	General Chemistry	None	Core	2	4	ELEC1100	Principles of Electrical Circuits	None	Core	2	4
	COMP1500	Introduction to Programming	IC3M2	Core	2	4	ENGG1010	Applied Mechanics	None	Core	2	4
	ENGG1013	Engineering Drawing and Computer Drafting	None	Core	1	2	ENGG1023	Engineering Materials	None	Core	2	4
	MATH1000	Mathematical Foundations	SET3	Core	2	4	MATH1100	Calculus & Linear Algebra	MATH1000	Core	2	4
	UNIR1100	Communication Skills (1)	None	Core	2	3	UNIR1001	Oman and Islamic Culture	None	Core	1	2
2	CIVE2610	Introduction to Civil Engineering and Environmental Issues	None	Core	2	4	CIVE2320	Introduction to Structural Analysis and Design	ENGG1010	Core	2	4
	CIVE2710	Surveying	None	Core	2	4	CIVE2210	Fundamentals of Engineering Geology and Soil Mechanics	None	Core	2	4
	CIVE2310	Strength of Materials	ENGG1010	Core	2	4	CIVE2120	Fundamentals of Fluid Mechanics	None	Core	2	4
	MATH2100	Calculus & Statistics	MATH1100	Core	2	4	UNIR2001	Entrepreneurship	None	Core	2	2

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	UNIR1002	Arabic Language Skills	None	Core	1	2	UNIR2100	Communication Skills (2)	UNIR1100	Core	2	3
3	CIVE3340	Structural Analysis	CIVE2320	Core	2	4	CIVE3350	Design of Reinforced Concrete Structures	CIVE2320	Core	2	4
	CIVE3360	Structural Steel Design	CIVE2320	Core	2	4	CIVE3220	Geotechnical Engineering	CIVE2210	Core	2	4
	CIVE3110	Hydrology	None	Core	2	4	CIVE3410	Traffic and Transportation Engineering	None	Core	2	4
	ENGG3700	Numerical Analysis and Optimization	None	Core	2	4	UNIR3100	Communication Skills (3)	UNIR2100	Core	2	3
	CIVE4510A	Civil Engineering Design	CIVE3350	Core	2	4	CIVE4420	Highway Engineering and Road Safety	None	Core	2	4
4	CIVE4130	Water Resources Engineering	None	Core	2	4	CIVE4140	Waste Treatment Processes	None	Core	2	4
	CIVE4810	Project Management	None	Core	2	4	CIVE4510B	Civil Engineering Design	CIVE3350	Core	2	4
	ENGG4801A	Final Year Project (A)	None	Core	2	4	ENGG4801B	Final Year Project (B)	ENGG4801A	Core	2	4