

Programme Matrix for Students Intake of AY2025-2026 onwards

Programme Matrix

Faculty	Engineering
Program	Civil Engineering
Award	Bachelor of Engineering in Civil Engineering
Credit Hour	133 Credit Hours
Academic Year	2025-2026

Level	Semester 1					Semester 2				
	Course Code	Course Name	Pre-requisite	Core/Elective	CHrs	Course Code	Course Name	Pre-requisite	Core/Elective	CHrs
1	CHEM1020	General Chemistry	None	Core	4	ELEC1100	Principles of Electrical Circuits	MATH1010	Core	4
	COMP1500	Introduction to Programming	IC3M2	Core	4	ENGG1010	Applied Mechanics	MATH1010	Core	4
	ENGG1013	Engineering Drawing and Computer Drafting	None	Core	2	ENGG1023	Engineering Materials	None	Core	4
	MATH1010	Calculus I	SET3	Core	4	MATH1200	Calculus II	MATH1010	Core	4
	UNIR1100	Communication Skills (1)	None	Core	3	UNIR1001	Oman and Islamic Culture	IC3M1A	Core	2
2	CIVE2610	Introduction to Civil Engineering and Environmental Issues	None	Core	4	CIVE2320	Introduction to Structural Analysis and Design	ENGG1010	Core	4
	CIVE2710	Surveying	None	Core	4	CIVE2210	Fundamentals of Engineering Geology and Soil Mechanics	None	Core	4
	CIVE2310	Strength of Materials	ENGG1010	Core	4	CIVE2120	Fundamentals of Fluid Mechanics	None	Core	4
	MATH2200	Differential Equations and Statistics	MATH1200	Core	4	UNIR2001	Entrepreneurship	None	Core	2
	UNIR1002	Arabic Language Skills	SET 1A	Core	2	UNIR2100	Communication Skills (2)	UNIR1100	Core	3

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3	CIVE3340	Structural Analysis	CIVE2320	Core	4	CIVE3350	Design of Reinforced Concrete Structures	CIVE2320	Core	4
	CIVE3360	Structural Steel Design	CIVE2320	Core	4	CIVE3220	Geotechnical Engineering	CIVE2210	Core	4
	CIVE3110	Hydrology	None	Core	4	CIVE3410	Traffic and Transportation Engineering	None	Core	4
	ENGG3700	Numerical Analysis and Optimization	MATH2200	Core	4	UNIR3100	Communication Skills (3)	UNIR2100	Core	3
4	CIVE4510A	Civil Engineering Design	CIVE3350	Core	4	CIVE4420	Highway Engineering and Road Safety	None	Core	4
	CIVE4130	Water Resources Engineering	None	Core	4	CIVE4140	Waste Treatment Processes	None	Core	4
	CIVE4810	Project Management	None	Core	4	CIVE4510B	Civil Engineering Design	CIVE3350	Core	4
	ENGG4801A	Final Year Project (A)	75% of Level 3 courses	Core	4	ENGG4801B	Final Year Project (B)	ENGG4801A	Core	4