

**UR6526001 - BACHELOR OF CIVIL ENGINEERING WITH HONOURS
INTAKE 2024/2025**

YEAR	FIRST		SECOND		THIRD			FOURTH	
SEMESTER	1	2	3	4	5	6	BREAK	7	8
DISCIPLINE CORE & ELECTIVE COURSES (107 CREDITS)	AMJ11004 Statics & Dynamics ^a	AMJ10903 Computer Programming	AMJ20103 Structural Theory ^c	AMJ20504 Soil Mechanics ^e	AMJ30104 Geotechnical Engineering ^f	AMJ30604 Highway & Transportation Engineering	AMJ39905 Industrial Training	AMJ40103 Industrialized Building System	AMJ40004 Final Year Project II ⁱ
	AMJ10202 Engineering Geology	AMJ10404 Strength of Materials ^b	AMJ20204 Fluid Mechanics Engineering	AMJ20603 Water Supply Engineering	AMJ30203 Reinforced Concrete Structures Design I	AMJ30703 Steel Structure Design		AMJ40002 Final Year Project I ⁱ	AMJ4XX03 Elective II
	AMJ10304 Geomatic Engineering	AMJ10503 Civil Engineering Skills	AMJ20303 Building Material Engineering	AMJ20703 Structural Analysis I ^d	AMJ30303 Structural Analysis II	AMJ30804 Water & Wastewater Engineering		AMJ4XX03 Elective I	AMJ48103 Integrated Design Project II ^h
			AMJ20403 Engineering Drawing	AMJ20803 Hydraulics	AMJ30403 Construction Management	AMJ30903 Reinforced Concrete Structures Design II		AMJ47103 Integrated Design Project I ^g	AMJ40302 Professional Engineers
					AMJ30503 Hydrology & Water Resources Engineering			AMJ40203 Construction Contract, Estimating & Finance	
COMMON CORE COURSES (12 CREDITS)	QM10103 Engineering Mathematics I	QM10203 Engineering Mathematics II	QM20303 Engineering Mathematics III	QM27103 Engineering Statistics					
UNIVERSITY REQUIREMENT COURSES (16 CREDITS)	SMZXX01 Co-Curriculum	SMZ2XX01 Co-Curriculum II				SMU12102 Integrity and Anti-Corruption or ***SMU13202 Malaysian Studies		SMU13002 Philosophy and Current Issues	SMU13102 Appreciation of Ethic and Civilization
		SMB41002 University Malay Language or ***SMB11002 Basic Malay Language	SMU22402 Engineering Entrepreneurship	SMB31202 English for Technical Communication					
	*SMB10102 Preparatory English	XXXXXX02 Option or **SMB20102 English for General Communication							
TOTAL CREDITS (135 CREDITS)	14	18	18	18	16	16	5	16	14

ELECTIVES COURSES:

Elective I: AMJ40603 Advanced Reinforced Concrete Structures Design, AMJ40703 Foundation Engineering, AMJ40803 Urban Stormwater Management, AMJ40903 Building Maintenance Information System, AMJ41703 Advanced Wastewater Engineering
Elective II: AMJ41003 Advanced Structural Analysis, AMJ41103 Advanced Steel Design, AMJ41203 Construction Contract and Law, AMJ41303 Building Information Modelling, AMJ41403 Civil/Environmental Engineers for Society

COURSE ^a IS A PRE-REQUISITE TO COURSE ^b
 COURSE ^c IS A PRE-REQUISITE TO COURSE ^d
 COURSE ^e IS A PRE-REQUISITE TO COURSE ^f
 COURSE ^g IS A PRE-REQUISITE TO COURSE ^h
 COURSE ⁱ IS A PRE-REQUISITE TO COURSE ^j

^hUncredited. Compulsory to students with MUET Band 2 only. This course is prerequisite to SMB20102 English for General Communication.

ⁱCompulsory to students with MUET Band 3 or less. This course is a prerequisite to SMB31202 English for Technical Communication.

^jFor international students only.