

**UR6526002 - BACHELOR OF ENVIRONMENTAL 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) | AMJ10604 Environmental Chemistry | AMJ10903 Computer Programming | AMJ20904 Fluid Mechanics and Hydraulics | AMJ21303 Hydrology | AMJ31004 Mass Transfer ^b | AMJ31403 Noise Pollution Engineering | AMJ39905 Industrial Training | AMJ4XX03 Elective I | AMJ4XX03 Elective II |
| | AMJ10104 Mechanical and Material Engineering | AMJ10704 Basic Ecology | AMJ21003 Thermodynamics ^a | AMJ21403 Environmental Law, Health and Safety | AMJ31103 Water Supply Engineering | AMJ31503 Public Health and Occupational Hygiene | | AMJ40403 Engineering Project Management | AMJ48203 ^f Integrated Environmental Engineering Design Project II |
| | | AMJ10503 Civil Engineering Skills | AMJ21103 Fundamental of Environmental Engineering | AMJ21503 Geo environmental Engineering | AMJ31203 Solid and Hazardous Waste Engineering | AMJ31603 Environmental Management System | | AMJ40002 ^g Final Year Project I | AMJ40004 ^h Final Year Project II |
| | | AMJ10803 Fundamental of Chemical Processes | AMJ21203 Environmental Engineering Skills ^c | AMJ21603 Environmental Transport Processes | AMJ31303 Environmental Impact Assessment | AMJ31704 Wastewater Engineering | | AMJ 40503 Environmental Remediation | AMJ40302 Professional Engineers |
| | | | | | | AMJ31804 Air Pollution Control Engineering | | AMJ47203 ^e Integrated Environmental Engineering Design Project I | |
| 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 | SMZ2X01 Co-Curriculum II | | SMB31202 English for Technical Communication | ****XXXXX02 Option Subject | 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 | **SMB20102 English for General Communication | | SMU22402 Engineering Entrepreneurship | | | | | |
| | *SMB10102 Preparatory English | | | | | | | | |
| TOTAL CREDITS (135 CREDITS) | 14 | 17 | 16 | 19 | 15 | 19 | 5 | 16 | 14 |

ELECTIVES COURSES:

Elective I: AMJ41503 Remote Sensing^d, AMJ41603 Environmental Process Control & Instrumentation, AMJ41703 Advanced Wastewater Engineering, AMJ40803 Urban Stormwater Management

Elective II: AMJ41803 Environmental Informatics, AMJ41903 Built Environment, AMJ42003 Sustainable Energy, AMJ42103 Environmental Risk Assessment, AMJ41403 Engineer for Society

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

^{**}Compulsory to students with MUET Band 3 or less. This course is a prerequisite to SMB31202 English for Technical Communication.

^{***}For international students only.

^{****}Compulsory to students with MUET Band 4 and above

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