

BEM-GRADUATE ASSESSMENT PROGRAMME (BEM-GAP)

CHEMICAL ENGINEERING

The intake is open to graduate of the 3-year engineering degree programme for Graduate Engineer registration with the Board of Engineers Malaysia (BEM).

OCT 2026
INTAKE
APPLICATION

FROM
15 MAY 2026
TO
14 SEPT 2026



Programme Fees

- Registration fee (once) RM1000
- Recurring fee (per sem) RM411
- Course fees RM411 per credit



Teaching Mode

- Conventional mode
- Weekdays (Monday-Friday)



Programme Structure

Year 1

Part 1

- KIL1002: Chemical Process Principles I
- KIL2005: Chemical Engineering Thermodynamics II
- KIL2006: Heat Transfer
- KIL2007: Mass Transfer
- KIL3002: Fluid Mechanics II
- KIL3007: Separation Processes II

Part 2

- KIL1005: Numerical Method for Engineering
- KIL3008: Process Safety and Loss Prevention
- KIL3004: Process Control
- KIL3014: Integrated Design
- KIL3015: Design of Process Equipment

Year 2

Part 1

- KIL2001: Chemical Process Principles II
- KIL4002: Design Project (Progressive)
- KIL4006: Advanced Process Control
- KIL4011: Advanced Process Safety and Loss Prevention
- 2 elective courses

Part 2

- KIL4002: Design Project
- KIL3001: Basic Materials Science for Chemical Engineering
- KIL3005: Particle Technology
- KIL3005: Reaction Engineering II
- 1 Elective course

Special Semester

- KIL3010: Industrial training

Apply Now: apply.um.edu.my

Programme Info: study.um.edu.my

Contact Person:

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