

UniKL AWARD & RECOGNITION



FLEXILEARN

WEEKEND & EVENING CLASSES

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FINANCIAL ASSISTANCE

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MARA Loan



HRDF Claimable



EPF Withdrawal



PTPTN

* Subject to Terms & Conditions

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JPT/BPP (N/525/6/0104) 09/25, MQA/PA 11126

BACHELOR OF ENGINEERING TECHNOLOGY (RAILWAY SYSTEMS) WITH HONOURS

OVERVIEW

Bachelor of Engineering Technology in Railway System main objective is to support the shortage of highly demand skill workers for the rail industries. BET RS degree programme directly related to the railway technology and shall support the shortage of highly demand railway technologist for our nations and global rail industries requirements. Due to the industries requirements, UniKL is producing Hands-on engineers via High-TVET Curriculum graduates. The taught programs is delivered by academics and industrialists to blend theory with practice and producing the next generation of railway engineers and professionals. Currently UniKL has blend in into main group of Local and International Railway companies.

FLEXIBLE LEARNING

Offering flexibility to cater to your schedule, so that you can pursue additional knowledge without interfering with your work schedule.

UniKL offers the flexibility to cater to your work schedule and provide you with the opportunity to enhance your skills whilst not compromising your work time. This workaround learning schedule is the main reason many professionals choose to enter UniKL's FlexiLearn programmes. Selected Professional Certificates can be embedded into the programmes as well. Furthermore, prior academic qualifications and working experience may be taken into consideration for syllabus exemptions.

APEL

Accreditation of Prior Experiential Learning

APEL (Accreditation of Prior Experiential Learning) is a systematic process which involves the IDENTIFICATION, DOCUMENTATION, and ASSESSMENT of prior experience related to a study programme.

APEL is a systematic process that involves the identification, documentation and assessment of prior experiential learning, i.e. knowledge, skills and attitudes, to determine the extent to which an individual has achieved the desired learning outcomes, for access to a programme of study and/or award of credits.

PROFESSIONAL CERTIFICATES

- Occupational Safety and Health (OSH Green Card)

ENTRY REQUIREMENT

- Minimum MUET Band 2 or IELTS 5.0 or Equivalent.
- Pass Sijil Tinggi Persekolahan Malaysia (STPM) / Matriculation or equivalent with minimum Grade C (CGPA 2.0) in Mathematics and ONE (1) relevant science subject OR
- Recognised Diploma in Engineering or Engineering Technology or equivalent with minimum CGPA 2.0 OR
- Recognised related Technical / Vocational / Skills Diploma with minimum CGPA 2.0
- Pass A-level with minimum Grade D in Mathematics and ONE (1) relevant science subject.
- STAM with minimum Jayyid minimum Grade C (CGPA 2.0) in Mathematics and ONE (1) relevant science subject or equivalent.
- Pass in International Baccalaureate (IB) with at least 24 points.
- Pass Higher National Diploma (HND) UK (MQF Level 4) in related area and recognized by government of Malaysia and according to approval by UniKL Senate.
- Qualification of 12 years of schooling with the following conditions:
 - It is the highest school qualification in the country of origin;
 - It can be used as entry qualification for bachelor's degree programme in the country of origin.
- MUET Band 2 as requirement to graduate and need to be stated in conditional offer letter.
- Campuses need to ensure students to obtain MUET Band 2 prior to graduation.

PROGRAMME STRUCTURE

SEMESTER 1

- Tamadun Islam & Tamadun Asia (TITAS) / Bahasa Melayu Komunikasi 2
- Isu-isu Kontemporari Muslim di Malaysia / Culture and Lifestyle in Malaysia
- Engineering Mathematics 1
- Fundamental English
- Professional English 1

SEMESTER 2

- Engineering Sciences
- Engineering Mathematics 2
- Computer Programming
- 3D Physical Modelling
- Mechanical Design and Modelling
- Engineering Drawing

SEMESTER 3

- Applied Statistics
- Materials Engineering
- Mechanics of Materials
- Electrical and Electronics Railway Fundamentals
- Co-Curriculum
- Foreign Language 1
- Hubungan Etnik / Pengajian Malaysia 3

SEMESTER 4

- Railway Automations
- Engineering Mechanics: Dynamics
- Foreign Language 2
- Ergonomics in Railways
- Railway Infrastructure
- Railway Machines and Process System
- Railway Track Engineering

SEMESTER 5

- Technopreneurship
- Professional English 2
- Rolling Stock Technology
- Railway Signaling
- Railway Communication
- Railway Operation Management
- Elective 1

SEMESTER 6

- Advanced Rail Electrification
- Railway Transportation System
- Railway Maintenance and Inspection Technology
- Railway Safety and Discipline Practices
- Elective 2
- Final Year Project 1 (FYP1)

SEMESTER 7

- Final Year Project 2 (FYP2)
- Railway Welding
- Railway Engineering Assurance
- Technologist in Society
- Elective 3
- Innovation Management

SEMESTER 8

- Industrial Training

Elective

- Quality Engineering
- Sustainable Energy
- High Voltage Engineering and Application
- Geometrical Dimensioning and Tolerances
- Design for Manufacturing and Assembly

* the duration of the programme will be based in the actual credit transfer and number of courses taken by student on every semester.

