



INTRODUCTION TO RAIL TRANSPORTATION

Engineering Technology in Rail Transportation programme aims to develop understanding of the rail transportation design, operation and maintenance of rail system. Furthermore, the programme will prepare graduates with knowledge, problem solving skills and experiences in the field to enter into the respective careers in any rail transportation industries. The rapid growth of industrial technology in Malaysia and globally had created huge demand for rail transportation managers, technologists, instrument and safety engineers, researchers and academician.



FOR MORE INQUIRIES ...

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UTHM Fakulti Teknologi Kejuruteraan
Faculty of Engineering Technology



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UTHM
Universiti Tun Hussein Onn Malaysia



BACHELOR OF ENGINEERING TECHNOLOGY IN RAIL TRANSPORTATION

WITH HONOURS



Fakulti Teknologi Kejuruteraan
Faculty of Engineering Technology



PROGRAMME OUTLINE

The programme will provide student with a broad knowledge and in-depth understanding of the following:

- Fundamental of engineering technology in rail transportation
- Rail transportation technology
- Rail transportation safety
- Rail transportation design
- Field instrument and control in rail transportation

PROGRAMME EDUCATIONAL OBJECTIVES

Knowledgeable in engineering technology in rail transportation dicipline in-line with the industry

Technically competent in activities related to engineering technology in rail transportation

Effective in communication with related professionals and stakeholders

Able to adapt in new development related to engineering technology in rail transportation environment

PROGRAMME STRENGTH

Hands-on Program

- 54% Practical, 46% Theory

High industry exposure

- Field Trip
- Work-Based Learning Programme
- Industrial Attachment
- Industrial Lecture Series/Talk



CAREER DESTINATION

- Engineering (CRSi, Infra, Signalling, Electrification, Purchasing, Project)
- Academician
- Railway Operation Management
- Technical and Production Engineer
- Fleet Maintenance
- Project Management Executives (Rolling stock, Signalling, Operations, Technical)
- Corporate Strategy
- Permanent Way
- Design Engineer
- Maintenance Engineer
- Technical Support
- Research Officer (R&D)

UNIVERSITY - INDUSTRY - INSTITUTIONS NETWORKING



ENTRY REQUIREMENTS

Sijil Tinggi Persekolahan Malaysia (STPM)

Pass STPM with at least:

- Grade C (NGMP 2.00) in Mathematics T/ Further Mathematics and Physics OR Mathematics T/ Further Mathematics and Chemistry/ Biology (with at least grade C in SPM Physics)

Matriculation (Science/Engineering/Technical)

Pass matriculation with at least:

- Grade C (2.00) in Mathematics/Engineering Mathematics and Physics/Engineering Physics OR Mathematics/ Engineering Mathematics and Chemistry/Biology/Engineering Chemistry/ Engineering Biology (with at least grade C in SPM Physics)

Diploma (Engineering/Technology)

Pass diploma with at least:

- CPA/PNGK 2.50 OR at least CPA/PNGK 2.30 with at least 2 years working experience OR pass Diploma Kemahiran Malaysia (DKM) in Civil Engineering/Mechanical Engineering/ Electrical and Electronics Engineering/ Technology with at least CPA/PNGK 3.00 / Grade B / >80% marks

Other Requirements

- At least Band 2 in Malaysian University English Test (MUET)
- Not blind nor disable person (blind /deaf / lame / mute) which makes it difficult to do practical work

PROGRAMME STRUCTURE

Bachelor of Engineering Technology in Rail Transportation with Honours.

Duration: 4 years

YEAR/SEM	YEAR 1	YEAR 2	YEAR 3	YEAR 4
SEM 1	Academic	Academic	Academic	Academic
SEM 2	Academic	Academic	Academic	Industrial Training
SEM 3		WBL	WBL	

* WBL = Work-Based Learning