UNIMAS
UNIVERSITI MALAYSIA SARAWAK

MASTER OF ENGINEERING IN COMMUNICATION SYSTEMS

Community-Driven University For a Sustainable World

FACULTY OF ENGINEERING

by coursework

OCTOBER, FEBRUARY & JUNE
Intakes

INTRODUCTION

Master of Engineering in Communication Systems programme by coursework is ideal for fresh graduates, practicing engineers and academicians with primary degrees' in Engineering and Science who wish to focus on a career in the telecommunications industry. The programme offers a broad curriculum which focuses on solid theoretical core in communication systems engineering. It is designed to equip students with a detailed knowledge of modern communications technologies, telecommunications and data network systems. The programme also builds interdisciplinary skills in students, to meet current and future needs of telecommunication industry. The programme is based on a trimester system; October, February and June in an academic year.

ENTRY REQUIREMENTS

- A Bachelor's Degree in related engineering discipline with a minimum CGPA of 2.50 or equivalent, as accepted by the Senate; or
- A Bachelor's Degree or equivalent in related engineering discipline but with CGPA less than 2.50, may be admitted subject to a minimum of 5 years working experience in the relevant field; or
- Other equivalent qualifications approved by the Senate
- For international students, a minimum IELTS score of 5.0 or its equivalent (e.g. MUET Band 3.5; TOEFL iBT 40; TOEFL Essential (Online) 7.5, Pearson Test of English 47, Cambridge English Qualifications and Tests 154)* is required.

ALTERNATIVE OPTION FOR ADMISSION

APEL. A for Access

- APEL.A is applicable to local and international applicants who do not meet the regular entry requirements imposed by academic programmes at any MQF level
- Applicants applying for entry via the APEL.A must meet the minimum age requirements stipulated for the various level of qualifications
- Applicants must fulfil the minimum formal qualifications stipulated, for Master's and Doctorate level
- Applicants applying for entry via the APEL.A must have prior experiential learning

POTENTIAL APPLICANTS

- Fresh graduates
- Practising engineers
- Project Executives

DURATION OF PROGRAMME

Full Time
1-2 years

PROGRAMME SCHEDULE

The programme requires students to accumulate 40 credit hours in their studies. All teaching and learning activities are conducted during the weekends (Saturday & Sunday).

FACILITIES & RESOURCES

- Perpustakaan Tun Abdul Rahman Ya'kub (PeTARY)
- Computing Facilities
- Online Learning Support
- Resources Rooms
- Laboratory Facilities

COURSE FEES

Full Time:
Malaysian student **RM18,726.00**
International student **RM34,900.00**

Fees include administrative, tuition and course materials for the duration of the programme. Further payment will be required if the students extend their studies.

PROGRAMME STRUCTURE

Semester 1

KNL6002 Research Methodology
KNL6203 Advanced Mobile and Wireless Communications
KNL6223 Microwave, RF and Antenna Technology
KNL6243 Wireless Communication Networks and Protocols
Elective Courses

Semester 2

KNL6263 Satellite Technology
KNL6233 Telecommunication Law and Policy
KNL6102 Industrial Entrepreneurship
KNL6644 Research Project I

Semester 3

KNL6273 Advanced Digital Signal Processing
KNL6113 Safety and Health for Engineers
KNL6122 Management for Engineers
KNL6656 Research Project 2

List of Elective Courses
(Choose 1)

KNL6253 Optical Communication Systems
KNL6303 Voice and Data Networks
KNL6283 Green Networking
KNL6313 Acoustic and Sonar
KNL6213 Advanced Digital Communications
KNL6293 End-to-End Quality of Service in Heterogeneous Networks
KNL6323 Stochastic Modelling and Analysis of Telecommunication Networks
KNL6333 Network Management Systems

*The elective courses offered in each semester are subject to the minimum number of students registering for the programme.

FAST TRACK OPTION

APEL.C for Credit Transfer
Qualified individuals with relevant prior learning experiences could take APEL. C assessments (Portfolio/Challenge Test) for credit transfer in APEL Assessment Centre, UNIMAS.

CONTACT US

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Email: ubs@unimas.my

APPLICATION PROCEDURE

Application must be submitted online at **https://oas.aa.unimas.my**

Application is open throughout the year.



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