FLEXILEARN
Weekend & Evening Classes
Earn higher qualification without quitting your job now!

FINANCIAL ASSISTANCE

MARA Loan
HRDF Claimable
EPF Withdrawal
PTPTN

UNIVERSITI KUALA LUMPUR
KAMPUS CAWANGAN MALAYSIA FRANCE INSTITUTE
Section 14, Jalan Damai, Seksyen 14, 43650 Bandar Baru Bangi, Selangor
(603) 8913 2800 (603) 8925 8845

1) FARAH SALWANI BTE ZAINOL
farahsalwani@unikl.edu.my (603) 8913 2818 (6014) 662 7964

2) AZLI MOHSIN
azlimohsin@unikl.edu.my (603) 8913 2800 (6012) 297 3567

3) AINI FADHILAH MOHD SAAD
aini@unikl.edu.my (603) 8913 2800 (6013) 373 7361

FOLLOW US FOR MORE INFORMATION
www.unikl.edu.my @uniklofficial
Universiti Kuala Lumpur - Officialpage

Disclaimer: All information is correct at time of printing. However, subject to change by the management of Universiti Kuala Lumpur and will be notified of changes if any. All the information on materials, notes, handouts distributed are COPY RESERVED. No circulation, distribution or reproduction of contents, whole or on part can be made without prior and written permission of Universiti Kuala Lumpur.
OVERVIEW

This bachelor programme prepares students with the knowledge in Machine Tools and Manufacturing. This field of study encompasses mainly mechanical, manufacturing and metrology. Students are prepared to perform duty as production engineer especially when dealing with machine tools.

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 FlexLearn programmes. Selected Professional Certificates can be embedded into the programmes as well. Furthermore, prior academic qualifications and working experience may be

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 RECOGNITIONS

• Engineering Technology Accreditation Council (ETAC)

ENTRY REQUIREMENT

• Passed Sijil Tinggi Pelajaran Malaysia (STPM) or equivalent with a minimum of at least Grade C (CGPA 2.0) in 3 subjects including Mathematics, a Science subject related and one other subjects AND pass in English at SPM or equivalent OR
• Pass Sijil Tinggi Agama Malaysia (STAM) with at least Jayyc Level and pass English at SPM or equivalent level OR
• Passed Diploma in Engineering / Engineering Technology (Level 4, KKM) in related field from a recognized PPT by the Malaysian Government with minimum CGPA 2.0 OR
• Passed Diploma (Level 4, KKM) in the field of Vocational, Science or Technical related skills and from the recognized PPT by the Malaysian Government with a minimum CGPA of 2.0 and a pass in English at SPM level or equivalent OR
• Pass in Foundation in Science and Technology / Science / Matriculation / Preparatory Program in Science from recognized PPT by the Malaysian Government with minimum CGPA 2.0 including Mathematics and one Science subject INCLUDING a pass in English at SPM or equivalent OR
• Pass in International Baccalaureate (IB) with at least 24/45 points including Mathematics and one Science subject OR
• Passed Higher National Diploma (HND), UK (Level 4, KKM) in related field from recognized PPT by the Malaysian Government with a minimum CGPA of 2.00 and
• Other qualifications recognized by the Malaysian Government
• POSSESSED A MALAYSIAN UNIVERSITY ENGLISH TEST (MUET) AT LEAST OF BAND 2 OR
• AT LEAST MINIMUM IELTS BAND 4.0 OR
• HAVE MINIMUM SCORES FOR TOEFL AT LEAST 450 (PBT) or 135 (CBT) or 40 (IBT)

PROGRAMME STRUCTURE

SEMMESTER 1
• Tamadun Islam & Tamadun Asia (TITAS)
• Bahasa Melayu Komunikasi 2 (I)
• Applied Calculus 1
• Fundamental English
• Professional English 1
• Entrepreneurship

SEMMESTER 2
• Isu-Isu Kemerdekaan Muslim di Malaysia
• Culture and Lifestyle in Malaysia
• Electrical Principles
• Material Science
• Statics and Dynamics
• Workshop Practice
• Workshop Practice
• Co-Curriculum 2

SEMMESTER 3
• Engineering Ethics
• Applied Calculus 2 (Mechanical)
• Basic Programming
• Hubungan Etnik (L) / Malaysian Studies 3 (I)
• Strength of Materials
• Machine Tool Technology
• Applied Engineering Metrology

SEMMESTER 4
• Statistical Data Analysis
• Professional English 2
• Occupational Safety & Health
• Computer Aided Design and Engineering 1
• Mechanics and Machine Design
• Manufacturing Process
• CNC and CAD CAM Technology

SEMMESTER 5
• French 1
• Project Management
• Engineering Thermofluids
• Jigs and Fixtures Design
• Fundamental Metallurgy
• Pneumatics and Hydraulics
• Elective 1

SEMMESTER 6
• Final Year Project 1
• French 2
• Automation Technology
• Modern Machining
• Machine Tool Design
• Advanced Manufacturing Technology
• Elective 2

SEMMESTER 7
• Final Year Project 2
• Innovation Management
• Manufacturing Design & Process
• Mechanical Engineering Laboratory
• Elective 3

SEMMESTER 8
• Industrial Training

Elective Subjects
• Computer Aided Design 2
• CT and NDT
• Robotics
• Production and Operation Management
• Robotic Welding
• Computer Aided Engineering 2

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