

INTERNATIONAL

Academic Requirement:

- i) Completed 12 years of Primary and High School Education and
- ii) Obtained High School Certificate (eg. A-Level, HSC, SMU & Matayom Suksa 6 (Thailand), International Baccalaureate etc.) **OR**
- iii) Diploma in the related field

English Requirement:

- i) IELTS minimum Band 5.0 **or**
- ii) TOEFL iBT minimum score of 40 **or**
- iii) TOEFL Essentials Online minimum score of 7.5 **or**
- iv) Cambridge English: Advanced (CAE) minimum score of 154 **or**
- v) Cambridge English: Proficiency (CPE) minimum score of 154 **or**
- vi) Cambridge English: Linguaskill Online minimum score of 154 **or**
- vii) PTE Academic / PTE Academic (Online) minimum score of 47 **or**
- viii) Malaysian University English Test minimum Band 3.5 **or**
- ix) ELS Certified Intensive English Programme Level (CIEP Level) minimum score of 107 **or**
- x) Candidates from countries where English is the official language **or**
- xi) Candidate from an institution in which the medium instruction is English; **and**
- xii) Passed with Credit in Intensive Preparatory Bahasa Malaysia Programme (for candidates pursuing programmes conducted in the National Language) <http://www.ppblt.usm.my/index.php/program/language-courses/malay-language>
You are recommended to enrol in USM Intensive English Programme as preparation course before IELTS examination. For more information, kindly visit : <https://ppblt.usm.my/index.php/program/intensive-english>

University Requirement:
Passed the USM Interview

For STPM/and its equivalent, applications can be made through UPUonline (upu.mohe.gov.my) and for international/USM+1, applications can be made through pohon.usm.my

CAREER PROSPECTS

- Service at the forensic services of the Royal Malaysia Police, Department of Chemistry, Fire and Rescue Department, government hospitals and forensic private agencies.
- Science or Research Officers at research institutes or institution of higher learning, private and public hospitals and diagnostic laboratories.
- Production, administrative or sales personnel of industries such as pharmaceuticals, food and beverages, reagent suppliers and biomedical instruments suppliers.
- Tutor/Lecturers at public and private institution of higher learning. Graduates can also register as postgraduate students and join the academic staff training programmes of institution of higher learning.



FOR MORE INFORMATION PLEASE CONTACT



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SCHOOL OF HEALTH SCIENCES
UNIVERSITI SAINS MALAYSIA

BACHELOR OF SCIENCE IN FORENSIC SCIENCE WITH HONOURS



INTRODUCTION

Forensic Science Programme

This programme is the first forensic science programme offered in Malaysia. It is a very popular programme and is in high demand among prospective students. Students will be exposed to the latest knowledge and technologies in the field of Forensic Science via courses which have been developed meticulously. Teaching staff of the School together with others from the Medical and Dental Schools of USM, Department of Chemistry Malaysia, the Fire and Rescue Department, and the Royal Malaysia Police will ensure the programme to run smoothly and in an excellent manner. This programme is expected to help cater for the national requirements for forensic scientists needed in the country.

THE AIMS OF THE PROGRAMME

In line with our School's mission, we aim to:

- Produce forensic science intellectual and professional graduates who possess theoretical knowledge and practical experience required in the field of forensic sciences.
- Produce forensic science graduates who possess high ethical standards and responsible with good communication skills through dynamic curriculum, practicum training session and research project.
- Transform forensic science knowledge to develop and sustain social well-being, which are enhanced by the collaboration in teaching, learning and research with Royal Malaysia Police, Department of Chemistry Malaysia, Fire and Rescue Department Malaysia, and other stakeholders.

CURRICULUM COMPONENTS

Core courses	Elective Courses
124	6
University Courses	Total Credit Units
15	145

CORE COURSES

- Human Anatomy and Physiology
- Biochemistry and Basic Genetics
- Molecular Biology Techniques
- Biostatistics
- Research Methodology
- Psychology and Behavioural Science
- Physical Chemistry
- Inorganic Chemistry
- Analytical Chemistry I
- Organic Chemistry I
- Criminalistics
- Introduction to Criminology
- Forensic Psychology
- Analytical Chemistry II
- Organic Chemistry II
- Pollutions and Environmental Chemistry
- Material Chemistry
- Natural Products Chemistry
- Biological Evidence
- Physical Evidence
- Forensic Toxicology and Chemistry of Drugs
- Fire Investigation
- Forensic DNA Analysis
- Forensic Anthropology
- Organic Chemistry III
- Food Chemistry
- Forensic Serology
- Forensic Medicine
- Law, Evidence Presentation and Quality Assurance
- Ballistics and Chemistry of Explosives
- Research Project

- Forensic Document Examination
- Statistics for Forensic Science
- Forensic Digital Evidence
- Forensic Practicum

ADMISSION

LOCAL

- a) KPM Matriculation/Foundation (UM, UKM, UiTM)
- Passed SPM or its equivalence, **AND**
 - Possessed a pass in Matriculation/Foundation with CGPA not less than 2.75 and
 - Obtained a minimum grade of C+ (CGPA 2.33) in any two subjects (Biology, Physics, Chemistry, Mathematics) **AND**
 - Passed MUET with at least band 3
- b) STPM
- Passed SPM or its equivalence, and
 - Possessed a pass in STPM with CGPA not less than 2.75, **AND**
 - Obtained a minimum grade of C+ (CGPA 2.33) in any two subjects (Biology, Physics, Chemistry, Mathematics T), **AND**
 - Passed MUET with at least band 3
- c) Diploma and its equivalent
- Diploma in a related field with at least a CGPA of 2.75 **OR**
 - Passed A-Level with a minimum score of 10 and obtained at least Grade C in any two (2) of the following subjects: Biology/Chemistry/Physics/Mathematics **OR**
 - Passed International Baccalaureate (IB) with a minimum score of 24 and at least a score of 4 at the High Level (HL) level in any two (2) of the following subjects: Biology/Chemistry/Physics/Mathematics **OR**
 - Passed AUSMAT/SAM with obtain a minimum aggregate of 45 and obtain at least Grade C in any two (2) of the following subjects: Biology/Chemistry/Physics/Mathematics **OR**
 - Other qualifications recognized as equivalent and certified by the USM Senate **AND**
 - Obtained least Level 3 (Band 3) in MUET or equivalent.