

Bachelor of Forensic Science (Honours)

1. Program Summary

Forensic Science Programme was developed and administrated under the Faculty of Health Sciences (FSK) The National University of Malaysia since 2005. All the teaching and learning activities were previously conducted at UKM Kuala Lumpur Jalan Raja Muda Abdul Aziz. In 2008, UKM Forensic Science underwent a major curriculum revision by introducing a three-year foundation course in chemistry as a standard requirement for the forensic graduates to be recognized as chemists by the Malaysian Institute of Chemistry. This requires students to attend chemistry courses managed by Faculty of Science & Technology (FST) in UKM Bangi while other forensic science courses managed by the Programme are partially conducted in UKM Bangi and UKM Kuala Lumpur. In 2017, UKM Forensic Science established its permanent location in UKM Bangi.

The forensic science curriculum is robust and holistic, whereby students are continually exposed to and challenged by various fields of forensic science throughout the duration of four years. These main branches of science are that of biology (Forensic DNA, Forensic Pathology, Forensic Entomology, Forensic Anthropology), chemistry (Forensic Fire Chemistry, Document Examination, Toxicology, Pharmacology, Ballistics), cyber technology (Digital Forensic, Marketplace) and investigation (Forensic Law, Crime Scene Investigation). These courses do not only provide theoretical based knowledge but facilitates indispensable hands-on learning experiences that are crucial for a forensic scientist, who subsequently undergo internship programmes attached to various governmental and non-governmental agencies in Malaysia and abroad. In pursuant with the university's status as a research university, all of our students undertake scientific research approaches in the form of final year projects, aimed at cultivating a healthy research culture amongst them.

As a whole, graduates from this programme are equipped with the knowledge, skill set and understanding with regards to the application of science to aid the criminal justice system in a diverse environment of laboratories, law enforcement and the judiciary bodies. Being key functional members in the community, our graduates are able to navigate effectively as they are divergent, resourceful, curious and strong willed to function in this fast-paced and competitive society. Equipped with polished interpersonal and soft skills, they are proven to be assets to the family unit, society and country unanimously.

2. Life at the Faculty

The campus is renowned for its research chances and access to the forensic expertise. As it is located in main campus Bangi, students have more opportunities to join social programs by the university and student associations. The facilities provided in main campus are complete that benefits forensic student throughout four years course. The program also has a tight-knit relationship with the alumni and industrial stakeholders to help mould the students to become a professional in their career pathway.

3. Program information

Faculty: Faculty of Health Sciences
Campus: Jalan Raja Muda Abdul Aziz, Kuala Lumpur
Degree: Bachelor of Forensic Science (Honours)
Length of study: 4 years
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4. Why this program **Advantages- subjects, employability etc*

- Able to be recognized as chemist by the Malaysian Institute of Chemistry
- Potential to work in programme stakeholders such as police, fire, and maritime agency
- Participate in forensic wildlife project
- On site CSI training.

5. What you will learn **List all the subject for each year of study*

Year 1: Semester I

Course Code	Course Title	Course Level	Credit
NNNX1052	BIOKIMIA	WJ	2
NNNX1083	FISIOANATOMI	WJ	3
NNNX4123	FORENSIK IMEJAN	P/C3	3
STKK1012	AMALI KIMIA I	WJ	2
STKK1103	KIMIA FIZIK I	WJ	3
STKK1702	KIMIA ANALISIS ASAS	WJ	2
LMCR__3	Kursus Citra Luar Fakulti	CR	3
Total			18

Year 1: Semester II

Course Code	Course Title	Course Level	Credit
NNNX1202	BIOLOGI MOLEKUL	WJ	2
NNNX1222	INSTRUMENTASI FORENSIK	WJ	2
NNNX2092	PATOLOGI ASAS FORENSIK	WJ	2
NNNX2242	BUKTI SURIH & KRIMINALISTIK	WJ	2
STKK1022	AMALI KIMIA II	WJ	2
STKK1303	KIMIA TAK ORGANIK ASAS	WJ	3
STKK1503	KIMIA ORGANIK I	WJ	3
LMCE1062 /	Academic Interactions (MUET Band 3) /	WF	2
LMCE1072 /	Academic Literacy (MUET Band 4) /		
LMCE1082	Page To Stage (MUET Band 5 & 6)		
LMCW1022	Asas Keusahawanan & Inovasi	CW	2
LMCR__3	Kursus Citra Luar Fakulti	CR	3
Total			23

Year 1: Semester I

Course Code	Course Title	Course Level	Unit
NNNX2222	FARMAKOLOGI AM	WJ	2
STKK2052	AMALI KIMIA III	WJ	2
STKK2132	KIMIA FIZIK II	WJ	2
STKK2313	KIMIA KUMPULAN UTAMA & PERALIHAN	WJ	3
STKK2513	KIMIA ORGANIK II	WJ	3
STKK2913	KIMIA POLIMER I	WJ	3
LMCW2163	Tamadun Islam & Tamadun Asia	CW	3
Total			18

Year 2: Semester II

Course Code	Course Title	Course Level	Credit
STKK2022	AMALI KIMIA IV	WJ	2
STKK2123	SPEKTROSKOPI ASAS	WJ	3
STKK2223	PENGURUSAN INDUSTRI KIMIA	WJ	3
STKK2323	KIMIA KOORDINATAN	WJ	3
STKK2523	PENENTUAN STRUKTUR MOLEKUL	WJ	3
STKK2942	KIMIA POLIMER II	WJ	2
LMCE2082 /	Pro Talk English (MUET Band 3) /	WF	2
LMCE2092 /	Speak To Persuade (MUET Band 4) /		
LMCE2103	Advanced Communication Project (MUET Band 5 & 6)		3
LMCW2022	Pengurusan & Analitik Data	CW	2
Total			20 / 21

Year 3: Semester I

Course Code	Course Title	Course Level	Credit
NNNX4012	ASAS PERUNDANGAN & PERSEMBAHAN BUKTI	WJ/C1	2
NNNX3232	ANALISIS TEMPAT KEJADIAN I	WJ	2
NNNX3233	TOKSIKOLOGI ASAS FORENSIK	WJ	3
STKK3112	KINETIK KIMIA	WJ	2
STKK3132	ELEKTROKIMIA	WJ	2
STKK3523	KIMIA ORGANIK III	WJ	3
NNNX3113/	ANALISIS DOKUMEN/	P	3
NNNX3193	ENTOMOLOGI FORENSIK		
NNNX3362	KRIMINOLOGI	PB/C6	2
LMCE3061 /	Corporate Storytelling (MUET Band 3) /	WF	1
LMCE3071	Professional Communication (MUET Band 4)		
Total			20

Year 3: Semester II

Course Code	Course Title	Course Level	Credit
NNNX3124	TOKSIKOLOGI & KIMIA DADAH	WJ	4
NNNX2252	STATISTIK PENYIASATAN	WJ	2
NNNX3043	PENYELIDIKAN SAINS FORENSIK I	WJ	3
STKK3523	KIMIA BIO-ORGANIK	WJ	3
STKK3723	INSTRUMENTASI KIMIA II	WJ	3
NNNX3302	FORENSIK PERSEKITARAN	PB/C5	2
LMCW2173	Hubungan Etnik	CW	3
Total			20

Year 3: Semester III

Course Code	Course Title	Course Level	Credit
NNNX3083	BAHAN LETUPAN	P	3
NNNX4143	DIGITAL FORENSIK	P/C3	3
NNNX3182	ANALISIS TEMPAT KEJADIAN II	PB	2
Total			8

Year 4: Semester I

Course Code	Course Title	Course Level	Credit
NNNX3203	CECAIR TUBUH	WJ	3
NNNX3223	IDENTIFIKASI SENJATA API	WJ	3
NNNX4213	TEKNOLOGI DNA FORENSIK	WJ	3
NNNX4223	PENYELIDIKAN SAINS FORENSIK II	WJ	3
NNNX4074	PATOLOGI FORENSIK & KLINIKAL	WJ	4
NNNX4073/ NNNX3063	JENAYAH KOLAR PUTIH/ KIMIA KEBAKARAN & PENYIASATAN	P/C1 P	3
Total			19

Year 4: Semester II

Course Code	Course Title	Course Level	Credit
NNNX4026	KEPANITERAAN FORENSIK	WJ	6
NNNX4093/ NNNX4163	PENGURUSAN MAKMAL FORENSIK/ KEMAJUAN SAINS FORENSIK	P	3
NNNX3103	PERNIAGAAN ATAS TALIAN DAN KESELAMATAN TRANSAKSI	PB/C4	3
Total			12

6. Program Requirement

i. STPM/equivalent entry requirement

Obtained at least **Grade B- (CGPA 2.67)** at **STPM / KPM Matriculation / Foundation / A-Level** in the following subject:

- Biology
- Chemistry
- Mathematics / Additional Mathematics

and

Obtained at least **Level 3 (Band 3) in Malaysian University English Test (MUET);**

and

Pass the test and / or interview set by Faculty.

ii. Diploma/equivalent entry requirement

Possess a Diploma in Science / Health Sciences or an equivalent Diploma from an Educational Institution recognized by the University and Government of Malaysia or the College of the Ministry of Health Malaysia (MOH) and obtain a minimum **CGPA of 3.50;**

and

Candidate are required to submit academic transcripts from Semester one (1) until final Semester;

and

Obtained at least **Level 3 (Band 3) in Malaysian University English Test (MUET);**

and

Pass the test and / or interview set by Faculty.

or

Candidates for STPM / KPM Matriculation / Foundation (NOT CURRENT YEAR) / A-Level

Obtained at least **Grade B- (CGPA 2.67)** at **STPM / KPM Matriculation / Foundation / A-Level** in the following subject:

- Biology
- Chemistry
- Mathematics / Additional Mathematics

and

Obtained at least **Level 3 (Band 3) in Malaysian University English Test (MUET);**

and

Pass the test and / or interview set by Faculty.

iii. International Entry Requirement

Entry requirement for international students can be obtained from the following website:

<http://www.ukm.my/pkp/ukm-international-programme/>

and

Pass the test and / or interview set by Faculty.