

# FULFILL GENERAL AND SPECIAL ENTRY REQUIREMENTS

## STPM

Obtain minimum CGPA 2.00

**and**

Obtain minimum C Grade for STPM level in any ONE (1) of the following subjects:

Biology, Physics, Chemistry, Mathematics (M), Mathematics (T), Economics, Business Studies, Sport Sciences, Information and Communication Technology, Visual Arts, Accounting;

**and**

Obtain minimum D Grade for SPM level in any ONE (1) of the following subject:

Physics, Chemistry, Biology, Additional Mathematics, Additional Sciences;

**or**

Obtain minimum C Grade for SPM level in any ONE (1) of the following subject:

Sciences, Mathematics, Agriculture Sciences, Food Processing, Nursery and Landscape, Aquaculture and Recreational Animals, Food Plants, Designs, Engineering Drawing, Civil Engineering Studies, Electrical Engineering Studies, Mechanical Engineering Studies, Agrotechnology Studies, Agriculture, Agricultural Machinery, Farm Machinery, Farm Management, Crop Production, Livestock Production, Ornamental and Landscape Horticulture;

**and**

Obtain minimum MUET Band 2.0 for results session 1/2021 or MUET Band 2 for results year 2020 and before

## DIPLOMA

### A. Diploma

Obtain minimum CGPA 2.00

**and**

Diploma in a related field from an Institution recognized by the government, MQA and endorses by the UMK Senate;

**and**

Obtain minimum MUET Band 2.0 for results session 1/2021 or MUET Band 2 for results year 2020 and before

### B. Diploma TVET (DKM/ DLKM/ DVM)

Obtain minimum CGPA 2.00

**and**

Diploma from DKM/ DLKM/ DVM in a related field from an Institution recognized by the government, MQA and endorsed by the UMK Senate;

**and**

Obtain minimum MUET Band 2.0 for results session 1/2021 or MUET Band 2 for results year 2020 and before

## MATRICULATION / EQUAL

### A. Matriculation/ Foundation

Obtain minimum CGPA 2.00

**and**

Obtain minimum C Grade for Matriculation/ Foundation level in any ONE (1) of the following subjects:

Chemistry, Mathematics, Physics, Biology, Physics (Engineering), Chemistry (Engineering), Basic Engineering, Computer Sciences;

**and**

Obtain minimum MUET Band 2.0 for results session 1/2021 or MUET Band 2 for results year 2020 and before

### B. UMK Foundation Programme and UMK Science Pre-Degree Programme

Obtain minimum CGPA 2.00

**and**

Obtain minimum MUET Band 2.0 for results session 1/2021 or MUET Band 2 for results year 2020 and before

## CONTACT US

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Universiti Malaysia  
KELANTAN

# NEW FIAT INTAKE REQUIREMENTS 2024 / 2025

UNDERGRADUATES DEGREE PROGRAMS  
IN APPLIED SCIENCES  
FACULTY OF AGRO-BASED INDUSTRY (FIAT)  
UNIVERSITI MALAYSIA KELANTAN



## BACHELOR OF APPLIED SCIENCE (ANIMAL HUSBANDRY TECHNOLOGY) WITH HONOURS

UPU CODE: **UL6620001**

DURATION OF STUDIES: **8 SEMESTERS (4 YEARS)**

TOTAL CREDITS: **123 CREDITS**

Bachelor of Applied Science (Animal Husbandry Technology) is a comprehensive program that equips students with the knowledge, skills, and practical experience required for success in the field of animal husbandry. Throughout the program, students delve into the fundamental aspects of animal biology, genetics, nutrition, reproduction, and health. They learn about different livestock species, including cattle, goats, sheep, poultry, swine, and aquaculture, and explore their specific husbandry requirements, breeding techniques, and disease prevention strategies. Experiential learning through the program enables students to apply theoretical knowledge in real-world scenarios and develop critical thinking, problem-solving, and communication skills. By combining theoretical knowledge with practical experience, this program prepares students to become skilled professionals capable of promoting animal welfare, improving livestock production, and contributing to the advancement of sustainable agricultural practices.

### Potential Job Opportunities

- Animal farm executive, Livestock manager/Farm manager, Animal nutritionist, Animal breeder, Animal welfare officer, Lecturer, Research officer, Agribusiness officer, Extension officer, Sales representative.



## BACHELOR OF APPLIED SCIENCE (AGROTECHNOLOGY) WITH HONOURS

UPU CODE: **UL6621001**

DURATION OF STUDIES: **8 SEMESTERS (4 YEARS)**

TOTAL CREDITS: **122 CREDITS**

Unleash the potential of agriculture with our comprehensive Agrotechnology program. Through technology-based management and crop expertise, we empower you to drive productivity, competitiveness, and sustainability in agriculture industry. Explore the latest advancements in precision farming, while also cultivating the entrepreneurial skills to succeed in the dynamic world of agriculture. Collaborate with agricultural agencies, harness our vast natural resources, and ensure a steady food supply for better future. Join us today to become a catalyst for positive change, addressing challenges, and forging a prosperous future. Enroll now to embark on an exciting career that combines cutting-edge technology in agriculture and entrepreneurial spirit.

### Potential Job Opportunities

- Researcher, Agriculturist, Environmental protection officer, Manager of plantation/ agriculture company, Setting up own company - self employed, Research officer, Agribusiness officer, Lecturer.

## BACHELOR OF APPLIED SCIENCE (AGRO PRODUCT TECHNOLOGY) WITH HONOURS

UPU CODE: **UL6540002**

DURATION OF STUDIES: **8 SEMESTERS (4 YEARS)**

TOTAL CREDITS: **120 CREDITS**

Bachelor of Applied Science (Agro Product Technology) with Honours programme aims to produce an agro-product executive in integrated product development. This programme will provide opportunities for students in mastering various knowledge and skills to develop a new or enhance existing products to meet customer expectations. The product includes food, cosmetics, biomass and others. The students will conduct research, develop proposals, create policies and monitor the development process. The curriculum of this programme covers market analysis, product design, processing of raw materials, upscaling, packaging, product analysis, commercialisation and intellectual properties.

### Potential Job Opportunities

- Science officer, Researcher, Product executive/ Technologist, R&D executive, Lecturer, Quality control/ Assurance executive, Bio/ Agro-based Entrepreneur.

## BACHELOR OF APPLIED SCIENCE (FOOD SECURITY) WITH HONOURS

UPU CODE: **UL6541001**

DURATION OF STUDIES: **8 SEMESTERS (4 YEARS)**

TOTAL CREDITS: **127 CREDITS**

Bachelor of Applied Science (Food Security) with Honours programme at UMK is a new programme offered by a public university (UMK) in Malaysia. The creation of the programme is in line with Malaysia's Food Security Policy to ensure sufficient and sustainable food supply for the country. Graduates in this programme will be exposed to relevant aspects of plant and animal based product development, leading to the awareness of nation's food security aspiration. Their ability to design better food products' quality for the community will be enhanced through latest technology applications. These can be achieved by allowing them to endure research and development which will improve food products' commercial values

### Potential Job Opportunities

- Manager / Executive positions in various industries including Animal farming, Food industries and agro based industries, Science officer, Research officer, Lecturer, Entrepreneur.

