

AT222: BACHELOR OF SCIENCE AGROTECHNOLOGY (HONS)
AGRONOMY

Bachelor Of Science Agrotechnology (Hons) Agronomy will be offered as a three (3) and a half year program. During the study, students will be exposed to crop sciences field that can give a better understanding on the agriculture productivity.

Among the courses offered include; plant breeding, climatology, sustainable agriculture and other relevant courses related to agriculture. The requirement as a research officer, agriculture executive, management executive, academician and others whether in the government sector or the private sector is capable to be fulfilled by students graduated from this program. To obtain Bachelor Of Science Agrotechnology (Hons) Agronomy, students are needed to produce a thesis at the end of the

AT232: BACHELOR OF SCIENCE AGROTECHNOLOGY (HONS)
HORTICULTURE TECHNOLOGY

This program focuses on the need for specialized and trained scientists, technologists, entrepreneur and horticulturists who are able to face the challenges in the agricultural industry in general and the significant growing demands specifically in the horticultural sector. The courses are well tailored to meet the challenging needs in this field which include the basic Biological Sciences, Chemistry and Physics and most important of all the applied sciences such as Agricultural Biotechnology, Plant Breeding and Agricultural Botany, the various disciplines in horticulture such as Introduction to Horticulture, Principles of Nursery Management, Tropical Horticultural Crops, Nursery Planning and Greenhouse Technology, Horticulture Irrigation Technology and Ornamental Crop Management.

To further strengthen graduates in terms of research and development, other disciplines such as Integrated Pest Management, Research Project I and II, Agricultural Research Methodology and Agriculture Mechanization and Automation. This three-year program also emphasizes on entrepreneurship such as Agribusiness Marketing, Basic Agriculture Economics, Technology entrepreneurship and other relevant courses are also included to give graduates the best preparation to face the industry.

This bachelor is designed for students who interested in pursuing careers in agricultural, horticultural, technologist, landscape industries, consultancy, management and also entrepreneur.

ENTRY REQUIREMENT FOR AT222/AT226/AT232

•Pass a diploma program from UiTM with a CGPA of at least 2.30

OR

•Pass a related diploma program from other Public Institution of Higher Learning recognize by the Malaysian Government with a CGPA of at least 3.00.

OR

•Pass UiTM Science Foundation/PASUM/Matriculation Program with CGPA of at least 2.50 and having B- grade (GP 2.67) in two (2) subjects including Biology and one (1) C grade (GP 2.00) from any of the following subject:

- *Mathematics/Engineering Mathematics
- *Physical/Engineering Physics
- *Chemistry

OR

•Pass STPM or its equivalent that is recognized by the Malaysian Government with a CGPA of at least 2.50 and having B-grade (GP 2.67) in any two (2) subject below

- *Mathematics T/Further Mathematics
- *T/Mathematics S
- *Biology/Chemistry/Physics

AND

•Pass SPM or its equivalent with five (5) credits including Mathematics/Additional Mathematics and a pass in English.

FURTHER INFORMATION

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UNIVERSITI
TEKNOLOGI
MARA

ACADEMIC PROGRAMS AND
ENTRY REQUIREMENT FOR
UNDER-GRADUATES
BACHELOR OF SCIENCE
(HONS)



Faculty of Plantation and Agrotechnology
UNIVERSITI TEKNOLOGI MARA

<http://fpa.uitm.edu.my/>

FACULTY OF PLANTATION AND AGROTECHNOLOGY

The Faculty of Plantation and Agrotechnology was established in 2010 in Universiti Teknologi MARA (UiTM). The mission of the faculty is to play the vital role of producing well-trained professionals in all areas of plantation and agriculture related industries at national and international levels.

The Diploma in Planting Industry Management (DPIM) program was the flagship when it was established in 1967 at Jalan Othman Campus, Petaling Jaya, Selangor. The faculty continues the legacy of offering the well-established DPIM program until today in Perlis, Pahang, Sabah, Sarawak, and Melaka campuses.

During these 49 years of establishment, the program has produced over 7,000 graduates that have been well-received and recognised by private and public sectors. Some of them have become reputable leaders and captains of the plantation industry, and heads of government agencies.

The faculty is highly committed in disseminating, imparting and fostering intellectual development and research to meet the changing needs of the plantation and agriculture sectors. With this regard, numerous undergraduate and postgraduate programs have been offered in accordance with the government's intention to produce professionals and entrepreneurs who are knowledgeable and highly skilled in the plantation management and agrotechnology.

The visions of the faculty is to become a leader in the field of plantation management and agrotechnology through teaching and learning, research and consultancy activities.

The objectives of the faculty are:

1. To produce quality graduates who are competitive and capable of bringing about transformations in the plantation and agricultural sectors.
2. To become centre of excellence and reference in the field of plantation management and agrotechnology.
3. To develop the areas of plantation and agrotechnology in a more focused and detailed manner through the offering of

AT220: BACHELOR OF SCIENCE (HONS) TECHNOLOGY AND PLANTATION MANAGEMENT

This three-year program emphasis on the various aspects of Production Technology, Management and Information Technology needed by the agricultural and plantation sectors. The courses in the program include crop Production Technology, Precision Agriculture, Agriculture Biotechnology, Financial management, Organizational behavior, Agricultural Economics, Computer Applications and Soil Conservation and Management.

Graduate may serve in the plantation sector as well as agro-based industries. The positions available are plantation executives, assistant estate managers, research officers, marketing executives, entrepreneurs, academicians and credit officers.

ENTRY REQUIREMENT

- Pass a diploma program from UiTM with a CGPA of at least 2.30
- OR
- Pass a Diploma in Planting Industry Management with a CGPA at LEAST 2.00 and having (2) years working experience in the relevant field.
- OR
- Pass a related diploma program from other Public Institution of Higher Learning recognize by the Malaysian Government with a CGPA of at least 3.00.
- OR
- Pass UiTM Science Foundation/PASUM/Matriculation Program with CGPA of at least 2.50 and having B- grade (GP 2.67) in two (2) subjects and one (1) C grade (GP 2.00) from any of the following subject:
- *Biology
 - *Mathematics/Engineering Mathematics
 - *Physical/Engineering Physics
- OR
- Pass STPM or its equivalent that is recognized by the Malaysian Government with a CGPA of at least 2.50 and having B-grade (GP 2.67) in any two (2) subject below
- *Mathematics T/Further Mathematics
 - *T/Mathematics S
 - *Chemistry/Physics/Economy
- AND
- Pass SPM or its equivalent that is recognized by the Malaysian Government with five (5) credits including Bahasa Melayu, Mathematics/ Additional Mathematics and a pass in English

AT223: BACHELOR OF SCIENCE (HONS) AGRIBUSINESS

This program is designed to provide you with an understanding of how to apply business principles to real-world issues and opportunities in the agricultural and life sciences industries. This interdisciplinary approach allows you to focus on business basics, such as marketing and finance, with specialties related to the multibillion-dollar primary production industry.

Graduates can have job opportunities at managerial and executive levels in any public and private organization. They can find careers in the areas of business management, analysis, consultants and as an owner-manager of their own business. They may also become assistant managers in plantation estates, economists, bank officers, extension officers, agriculture officers and research officers.

ENTRY REQUIREMENT

- Pass a Diploma in Planting Industry Management with a CGPA at LEAST 2.50 and having (2) years working experience in the relevant field.
- OR
- Pass a related diploma program from other Public Institution of Higher Learning recognize by the Malaysian Government with a CGPA of at least 3.00.
- OR
- Pass UiTM Science Foundation/PASUM/Matriculation Program with CGPA of at least 2.50 and having B- grade (GP 2.67) in two (2) subjects and one (1) C grade (GP 2.00) from any of the following subject :-
- * Mathematics/Engineering Mathematics
 - *Physical/Engineering Physics
 - *Chemistry
 - *Economics
 - *Account
 - *Business Management
- OR
- Pass STPM or its equivalent that is recognized by the Malaysian Government with a CGPA of at least 2.50 and having B-grade (GP 2.67) in any two (2) subject below
- * Mathematics T/Further Mathematics/ Mathematic S
 - * Biology/Chemistry/Physics/Science
 - * Economy
 - * Pengajian Am
 - * Accounting
- AND
- Pass SPM or its equivalent with five (5) credits including Mathematics/Additional Mathematics and pass in English

AT226: BACHELOR OF SCIENCE (HONS) IN AGROTECHNOLOGY (PLANT BIOTECHNOLOGY)

Bachelor of Science (Hons) Agrotechnology (Plant Biotechnology) is designed to provide an alternative to train and upgrade the skills of workers in the agriculture and plantation sector with its focus on the field of plant biotechnology. Approaches in various disciplines allow graduate to focus on the basics of plant biotechnology, with expertise related to the agricultural biotechnology industry that provides a high impact on the marketability of students.

This program is highly relevant to the current economic growth that emphasized and orientated on agricultural production locally and internationally. Graduates can work in a various industries and organizations, including running their own business.