

## **BACHELOR OF SCIENCE AGRIBUSINESS MANAGEMENT WITH HONOURS [BSc. Agribus. Mgmt. (Hons)]**

### **INTRODUCTION**

This programme is multi-disciplined, combining agricultural science, economics, and business management. The purpose of the programme is to produce graduates who are efficient managers of firms based on agriculture and natural resource.

### **PROGRAMME LEARNING OUTCOMES**

The goal of the programme is to produce graduates with breadth and depth in knowledge, as well as positive personalities. Specifically, the learning outcomes of the program are as follow:

1. To enhance knowledge and understanding of concepts, theories and practices in the field of agribusiness.
2. To plan, analyse and identify solutions to the agribusiness-related problems.
3. To upgrade the interaction skills with society and stakeholders aside from emphasizing social responsibility towards society and nation the related fields.
4. To become efficient, effective, and ethical businessman and managers.
5. To communicate effectively in oral and writing, possess leadership skills and be able to work in groups at any levels.
6. To integrate and synthesize agribusiness issues in organization, as well as able to assess planning, execution and solution options within the organization and the community.
7. To improve skills in gathering and utilising information using ICT and to enhance knowledge through life-long learning.
8. To manage limited agriculture resources to achieve optimum efficiency and identify business opportunities through entrepreneurial skills learned

In addition, each student will also be required to undergo a four-month practical training. This exposure will give the opportunity for the students and industry/institution to acquire the intended objectives.

### **CAREER PROSPECTS**

Career prospects for graduates in this field are bright. Due to the flexibility of the programme structure, its graduates can work in a wide range of sectors. The programme has also prepared the graduates to not only be efficient employees, but also to be capable managers, especially in agri-related sectors. Variety of career opportunities including Business owner/Entrepreneur, Investment/Financial Planner, Manager, Sale Executive, Agriculture Analyst, Marketer, and Research Officer.

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**BACHELOR OF SCIENCE AGRIBUSINESS MANAGEMENT WITH HONOURS**  
**[BSc. Agribus. Mgmt (Hons)]**

The Bachelor of Science Agribusiness Management with Honours consists of the following **FIVE (5)** components:

COMPONENT	CREDIT HOURS
A. UNIVERSITY CORE COURSES	16
B. ENGLISH CORE COURSES	9
C. PROGRAMME CORE COURSES	95
D. LANGUAGE COMPONENT	9
E. FREE ELECTIVE	3
<b>TOTAL CREDIT HOURS</b>	<b>132</b>

To be awarded a Bachelor of Science Agribusiness Management with Honours, a student is required **to take and pass a minimum of 132 credit hours** which include courses in the programme structure as shown below:

**A. UNIVERSITY CORE (16 CREDIT HOURS)**

i. Malaysian Students

CODE	COURSE	CREDIT HOURS
MPU1043	Falsafah dan Isu Semasa	3
MPU1013	Penghayatan Etika dan Peradaban	3
SADN1033	Malaysian Nationhood Studies	3
BPME1013	Introduction to Entrepreneurship	3
VXXXXXXX	Co-Curriculum	4
	<b>TOTAL</b>	<b>16</b>

ii. International Students

CODE	COURSE	CREDIT HOURS
MPU1043 <b>OR</b>	Falsafah dan Isu Semasa <b>OR</b>	3
MPU1013	Penghayatan Etika dan Peradaban	
SBLF1093	Malay as Foreign Language 1	3
SADN1033	Malaysian Nationhood Studies	3
BPME1013	Introduction to Entrepreneurship	3
VXXXXXXX	Co-Curriculum	4
	<b>TOTAL</b>	<b>16</b>

1. Choose any **ONE (1)** of the Co-Curriculum courses. Students are subjected to conditions determined by the respective courses.

## B. ENGLISH CORE COURSES (9 CREDIT HOURS)

A student is required to take English core courses according to the MUET result taken during the application process.

### NUMBER OF CREDIT HOURS FOR UNDERGRADUATE ENGLISH LANGUAGE COURSES

NEW MUET	MUET	IELTS	TOEFL (iBT)	PTE ACADEMIC	CEFR LEVEL	COURSES	TOTAL CREDIT HOURS
1.0	BAND 1	< 4.0	0 - 31	0 - 29	A2	Foundation English + 3 core courses (EPI, EPII, EPIII)	12 credit hours *Foundation English is credit bearing but not included in CGPA
2.0 2.5	BAND 2	4.0 – 5.0	32 – 45	30 - 41	B1	3 core courses (EPI, EPII, EPIII)	9 credit hours
3.0 3.5	BAND 3	5.5	46 - 59	42 - 49	B2	2 core courses (EPII, EPIII) + 1 ESP	9 credit hours
4.0 4.5	BAND 4	6.0 – 6.5	60 – 93	50 - 64	B2	1 core course (EPIII) + 2 ESP	9 credit hours
5.0	BAND 5	7.0 – 8.0	94 - 114	65 - 82	C1	EXEMPTED FROM ANY ENGLISH LANGUAGE COURSES *except for language courses that are listed as programme core courses	
5+	BAND 6	8.5 – 9.0	115 - 120	83 - 90	C2	EXEMPTED FROM ANY ENGLISH LANGUAGE COURSES *except for language courses that are listed as programme core courses	

\*STUDENTS WITH MUET BAND 5, BAND 6 AND FROM ENGLISH SPEAKING COUNTRIES ARE EXEMPTED FROM ANY ENGLISH LANGUAGE COURSES, EXCEPT FOR ENGLISH LANGUAGE COURSES THAT ARE LISTED AS PROGRAMME CORE COURSES. HOWEVER, THEY ARE ALLOWED TO REGISTER FOR ANY COURSES AS A FREE ELECTIVE.

### LIST OF COURSES

PRE-REQUISITE/ CONDITIONAL COURSES	UNIVERSITY CORE COURSES	ENGLISH FOR SPECIFIC PURPOSES COURSES [ESP]
SBLE1073 Foundation English	SBLE1063 English Proficiency I [EPI] SBLE2113 English Proficiency II [EPII] SBLE3123 English Proficiency III [EPIII]	SBLE3113 English for Small Group Communication SBLE3143 Report Writing SBLE3153 Hospitality English SBLE3163 Public Speaking Skills SBLE3173 English for Professional Communication

#### References:

MUET to IELTS – correlational study (2020) MEC  
PTE Academic to IELTS – Pearson Education website (2020) recognised by British Council  
TOEFL iBT scores to IELTS – [www.ets.org](http://www.ets.org) linking study (2010)  
IELTS to CEFR – Cambridge English



**C. PROGRAMME CORE COURSES (95 CREDIT HOURS)**

CODE	COURSE	CREDIT HOURS	PREREQUISITE
BECA1013	Biology	3	NONE
BECA1023	Chemistry	3	NONE
BECA2013	Animal Husbandry	3	BECA1013 Biology <b>AND</b> BECA1023 Chemistry
BECA2023	Food Science	3	BECA1013 Biology <b>AND</b> BECA1023 Chemistry
BECA2033	Soil Science	3	BECA1013 Biology <b>AND</b> BECA1023 Chemistry
BECA2043	Agronomy	3	BECA1013 Biology <b>AND</b> BECA1023 Chemistry
BECA2053	Aquaculture Management	3	BECA1013 Biology <b>AND</b> BECA1023 Chemistry
BPMN1013	Principles of Management	3	NONE
BKAN1013	Basic Accounting	3	NONE
BWFF1013	Basic Finance	3	NONE
BPMN3023	Strategic Management	3	Have taken and passed 100 credit hours
BJMP2033	Operation and Production Management	3	SQQS1013 Elementary Statistics <b>AND</b> SQQM1023 Managerial Mathematics
BJMP3073	Purchasing and Supply Chain Management	3	BJMP2033 Operation and Production Management
BEEB1013	Principles of Economics	3	NONE
BEEB2013	Microeconomics	3	BEEB1013 Principles of Economics
BEEB2023	Macroeconomics	3	BEEB1013 Principles of Economics
GLUL3223	Agribusiness Law	3	NONE
BEEA3113	Agricultural Production Economics	3	BEEB2013 Microeconomics <b>AND</b> BEEB2023 Macroeconomics
BEEA3033	Agribusiness Finance	3	BEEB2013 Microeconomics <b>AND</b> BEEB2023 Macroeconomics
BEEA3123	Agribusiness Management	3	BEEB2013 Microeconomics <b>AND</b> BEEB2023 Macroeconomics
BEEA3133	Agricultural Development Economics	3	BEEB2013 Microeconomics <b>AND</b> BEEB2023 Macroeconomics

BEEA3153	Agricultural Marketing	3	BEEB2013 Microeconomics <b>AND</b> BEEB2023 Macroeconomics
BEEA3163	International Agricultural Trade	3	BEEB2013 Microeconomics <b>AND</b> BEEB2023 Macroeconomics
BPMN3123	Management Ethics	3	Have Taken and Passed 70 Credit Hours
SQQM1023	Managerial Mathematics	3	NONE
SQQS1013	Elementary Statistics	3	NONE
BEER3043	Research Methods	3	BEEB2013 Microeconomics <b>AND</b> BEEB2023 Macroeconomics
SBLE3143	Report Writing	3	SBLE3123 English Proficiency III
SBLE3173	English for Professional Communication	3	SBLE3123 English Proficiency III
BEEEX4908	Practicum	8	Have taken and passed all courses under the programme core

#### **D. LANGUAGE COMPONENT (9 CREDIT HOURS)**

Student must complete the first until the third stage of any language course taken.

<b>CODE</b>	<b>COURSE</b>	<b>CREDIT HOURS</b>	<b>PREREQUISITE</b>
SBLF1053	Mandarin Language I / Foreign Language	3	NONE
SBLF2053	Mandarin Language II / Foreign Language	3	SBLF1053 Mandarin Language I / Foreign Language
SBLF3053	Mandarin Language III / Foreign Language	3	SBLF2053 Mandarin Language II / Foreign Language

Chinese students can choose any foreign language course **EXCEPT** Mandarin.

Any students from Chinese medium school can choose any of the foreign language courses **EXCEPT** Mandarin.

Students from Religious school are not allowed to take Arabic.

Students from Malaysia, Indonesia, Brunei, Singapore, and southern Thailand are not allowed to take Bahasa Melayu.

International students are allowed to choose any foreign language course EXCEPT their Native Language.

Students need to complete the first stage to the third stage of any language course chosen.

**E. FREE ELECTIVE (3 CREDIT HOURS)**

Students can choose **ONE (1)** course offered by another programme at the same School or courses offered by other Schools considering the following:

- i. Must meet the prerequisite of the courses if such courses require prerequisites.
- iii. Equivalent courses cannot be considered as free elective courses.

**PROGRAMME SUGGESTED COURSES BY SEMESTER FOR BACHELOR OF SCIENCE AGRIBUSINESS  
MANAGEMENT WITH HONOURS [BSc. Agribus. Mgmt. (Hons)]**

Code	1st Semester	Credit Hours	Code	2nd Semester	Credit Hours
BPMN1013	Principles of Management	3	MPU1043	Falsafah dan Isu Semasa	3
SBLEXXXX	English Core Course	3	SBLEXXXX	English Core Course	3
SADN1033	Malaysian Nationhood Studies	3	SQQM1023	Managerial Mathematics	3
BEEB1013	Principles of Economics	3	BEEB2013	Microeconomics	3
BECA1013	Biology	3	BECA1023	Chemistry	3
SQQS1013	Elementary Statistics	3	VXXXXXXX	Language Component I	3
VXXXXXXX	Co-Curriculum I	1		Co-Curriculum II	1
<b>Total</b>		<b>19</b>	<b>Total</b>		<b>19</b>
Code	3rd Semester	Credit Hours	Code	4th Semester	Credit Hours
SBLEXXXX	English Core Course	3	BWFF1013	Basic Finance	3
BEEB2023	Macroeconomics	3	BECA2013	Language Component III	3
BECA2023	Language Component II	3	BECA2033	Animal Husbandary	3
BECA2053	Food Science	3	BECA2033	Soil Science	3
BECA2053	Aquaculture Management	3	BEEA3153	Agricultural Marketing	3
MPU1013	Penghayatan Etika dan Peradaban	3	BEEA3133	Agricultural Development Economics	3
VXXXXXXX	Co-Curriculum III	1	VXXXXXXX	Co-Curriculum IV	1
<b>Total</b>		<b>19</b>	<b>Total</b>		<b>19</b>
Code	5th Semester	Credit Hours	Code	6th Semester	Credit Hours
BKAN1013	Basic Accounting	3	SBLE3173	English for Professional Communication	3
SBLE3143	Report Writing	3	GLUL3223	Agribusiness Law	3
BJMP2033	Operation and Production Management	3	BEEA3033	Agribusiness Finance	3
BEEA3123	Agribusiness Management	3	BECA2043	Agronomy	3
BEEA3113	Agricultural Production Economics	3	BJMP3073	Purchasing and Supply Chain Management	3
BPMN3123	Management Ethics	3			
<b>Total</b>		<b>18</b>	<b>Total</b>		<b>15</b>

Code	7th Semester	Credit Hours	Code	8th Semester	Credit Hours
BPME1013	Introduction to Entrepreneurship	3	BEEEX4908	Practicum	8
BEER3043	Research Methods	3			
BEEA3163	International Agricultural Trade	3			
BPMN3023	Strategic Management	3			
	Free Elective	3			
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>8</b>

**Total Overall Credit Hours: 132 credit hours**

**COURSES OFFERED BY SEMESTER**

CODE	COURSES	SEM I	SEM II
BECA1013	Biology	X	X
BECA1023	Chemistry	X	X
BECA2013	Animal Husbandry		X
BECA2023	Food Science	X	
BECA2033	Soil Science	X	X
BECA2043	Agronomy		X
BECA2053	Aquaculture Management	X	
BEEA3033	Agribusiness Finance	X	X
BEEA3113	Agricultural Production Economics	X	X
BEEA3123	Agribusiness Management	X	X
BEEA3133	Agricultural Development Economics	X	X
BEEA3153	Agricultural Marketing	X	X
BEEA3163	International Agricultural Trade	X	X
BEEB1013	Principles of Economics	X	X
BEEB2013	Microeconomics	X	X
BEEB2023	Macroeconomics	X	X
BEER3043	Research Methods	X	X
BPMN1013	Principles of Management	X	X
BKAL1013	Business Accounting	X	X
BWFF1013	Basic Finance	X	X
BPMN3023	Strategic Management	X	X
BJMP2033	Operation and Production Management	X	
BJMP3073	Purchasing and Supply Chain Management		X
GLUL3223	Agribusiness Law		X
BEEEX4908	Practicum	X	X

**COURSE SYNOPSIS**

**BECA1013 BIOLOGY**  
**PRE-REQUISITE NONE**

This course covers the introduction to genetics, principles of segregation and independent organization, genetics population, the concept of genetic evolution and the process of species classification. The course also covers aspects of animal physiology and ecology. Principles of conservation and renewable natural resources, the role of parks, pollution, eutrophication and erosion are also discussed.

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**BECA1023 CHEMISTRY**  
**PRE-REQUISITE NONE**

This course covers the introduction of measurement, stoichiometry, reactions, theory of kinetic gases, thermochemical, atomic structure, electronic structure and the periodic table, chemical bonding, redox reaction, electrochemistry, acids and bases, chemical nuclear, organic chemicals, chemicals, inorganic, and biochemical.

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**BECA2013 ANIMAL HUSBANDRY**  
**PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY**

This course provides an introduction to livestock production and management aspects, and its role in the agricultural sector. This course will also include an introduction to livestock species, diseases and advantages of the livestock. Management of livestock (cattle, sheep, buffalo, and deer) and non-ruminants (poultry, pigs) will be covered in general.

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**BECA2023 FOOD SCIENCE**  
**PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY**

This course discusses the fundamentals of food science. It covers the basics according functions in some selected commodities. This course will also discuss the methods of food processing, food operations, the effects of food processing, food safety, food storage, food product wrapping, food laws and rules, and food labels.

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**BECA2033 SOIL SCIENCE**  
**PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY**

This course discusses the biological, physical and chemical aspects of soil such as access to land, resources and land development, soil fertility, fertilizers, soil organisms, soil sampling techniques and related tests.

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**BECA2043 AGRONOMY**  
**PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY**

Agronomy is the science and technology of using plants for food, fuel, feed, and fiber. Agronomy encompasses work in the areas of plant genetics, plant physiology, meteorology, and soil science. Agronomy is the application of a combination of sciences like biology, chemistry, ecology, earth science, and genetics. Agronomists today are involved with many issues including producing food, creating healthier food, managing environmental impact of agriculture, and creating energy from plants Agronomists often specialize in areas such as crop rotation, irrigation and drainage, plant breeding, soil and plant classification, soil fertility, weed control and pest control.

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**BECA2053 AQUACULTURE MANAGEMENT**

**PRE-REQUISITE BECA1013 BIOLOGY, BECA1023 CHEMISTRY**

This course introduces the history and development of aquaculture sector nationally and globally. It consists of the economics and management of aquaculture production. The aquaculture management include seed management, feed management, water management, health management, postharvest management and more. This course also covers the environmental and social issue in aquaculture production.

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**BEEA3033 AGRIBUSINESS FINANCE**

**PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS**

This course discusses about financial issues such as how to get capital to run agribusiness activity, policies related agribusiness credit, evaluation of the lending criterias by financial institutions, credit analysis and preparation of paperwork for loan applications.

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**BEEA3113 AGRICULTURAL PRODUCTION ECONOMICS**

**PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS**

This course provides an introduction to the economic aspects of agricultural production. The focus will be given on the relationship between inputs and outputs for the use of various variable inputs. This course also discusses important methods in selecting agricultural investment that are useful for a manager in making farm decisions. Empirical examples are used to combine theories with practices.

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**BEEA3123 AGRIBUSINESS MANAGEMENT**

**PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS**

This course covers the overall basic aspects of the management of agribusiness. It provides an exposure to the core and applications of agribusiness activities, beginning from the level of understanding farm management to produce agricultural output to the marketing aspects and agricultural economics in order to ensure students gain sufficient knowledge and basic expertise to be efficient and effective future agribusiness managers.

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**BEEA3153 AGRICULTURAL MARKETING**

**PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS**

This course discusses the marketing institutions and international trade as well as their roles in distributing the agricultural output to ultimate consumers. This course also discusses economic and non-economic factors that influence the market and agricultural trade.

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**BEEA3163 INTERNATIONAL AGRICULTURAL TRADE**

**PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS**

This course discusses the basic concepts of international trade and its application in food and other agricultural products. The course begins with a discussion of the concept of international trade, the impact of government intervention in the international market of agricultural products, and current issues related to agricultural goods trading.

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**BEEB1013 PRINCIPLES OF ECONOMICS**

**PRE-REQUISITE NONE**

This course offers introductory understanding to the basic concepts in economics. It is divided into two parts of Microeconomics and Macroeconomics. Topics that will be covered includes demand and supply, price and market equilibrium, consumer choice, production and costs, national income accounting, aggregate demand and aggregate supply, money, and money market.

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**BEEB2013 MICROECONOMICS**

**PRE-REQUISITE BEEB1013 PRINCIPLES OF ECONOMICS**

This course will provide students with basic economic theories that are essential in microeconomics. Among them are Demand & Supply theories, Consumer Behavior Theory, Production & Cost Theories, and Theory of the Firm. Methods used in discussing these theories include tables, graphs, and simple mathematics. Lectures given will also touch on the applicability of the theories in real life.

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**BEEB2023 MACROECONOMICS**

**PRE-REQUISITE BEEB1013 PRINCIPLES OF ECONOMICS**

The analysis is based on the Keynesian economics and experience of Malaysian macroeconomics situation. Thus, the theoretical and practical aspect of the economy is combined. The course is divided into 3 main sections. Section 1 focuses on the measurement of macroeconomic variables, in particular national income accounting and national income determination. Section 2 discusses the demand side of macroeconomics models from a simple economy to an open economy. In this section, the interaction of real and money market through money, interest and income is examined. An open macroeconomic model is also highlighted. The supply side of macroeconomics is also explained, particularly the labor market. The Classical macroeconomics view is also included in the analysis for comparison to that of the Keynesian economics. Finally, section 3 emphasizes on macroeconomic policy in which fiscal and monetary policy is examined.

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**BEER3043 RESEARCH METHODS**

**PRE-REQUISITE BEEB2013 MICROECONOMICS, BEEB2023 MACROECONOMICS**

The course elucidates the nature and processes involved in research, especially in the social sciences, such as economics, sociology and psychology, and their allied areas. Although the emphasis is on survey research, other research approaches are also discussed. The course begins with the philosophy of knowledge, definition of research, scientific method in research, and ethics in research. The important steps in planning a research project, such as problem identification and formulation, formulation of the research questions, developing the study objectives, reviewing related literature, formulation of model and research hypotheses, gathering and analyzing the data and testing the hypotheses, and presenting the final report will be covered. The course also discusses, in detail, the preparation involved in writing a research proposal that is likely to be approved by relevant agencies or institutions.

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**BEEB4908 PRACTICUM**

**PRE-REQUISITE NONE**

It is a work internship to give students practical on-the-job training in their major field for a duration of 4 months. Program coordinated by faculty with cooperation of participating employers to enhance the development of future professionals. The internship experience will help students integrate theory and practice their career choices.