

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

INTRODUCTION

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

PROGRAMME GOALS

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

1. To increase knowledge and comprehension of concepts, theories and practices in the science of agribusiness management.
2. To plan, analyse and identify solutions to problems in the field of agribusiness management.
3. To become efficient, effective, and ethical managers in agribusiness-related firms.
4. To integrate and synthesize agribusiness management issues, and to be able to assess planning, implementation, solving problems in the firm.
5. To manage and organize limited agricultural resources to achieve optimum efficiency, and to identify business prospects.

CAREER PROSPECTS

With the launching of the Third National Agricultural Policy (DPN-3), 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.

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

The programme consists of the following components:

COMPONENT		CREDIT HOURS
A.	UNIVERSITY CORE	25
B.	PROGRAMME CORE	95
C.	LANGUAGE COMPONENT	9
D.	FREE ELECTIVE	3
TOTAL CREDIT HOURS		132 HOURS

To be awarded a Bachelor of Science with Honours (Agribusiness Management) degree, 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 (25 CREDIT HOURS)

Code	Course	Credit Hours	Pre-requisite
SADN1013	Islamic and Asian Civilization	3	NONE
SADN1043	Ethnic Relations	3	NONE
SADN1033	Malaysian Citizenship Studies	3	NONE
SBLE1033	English For Communication I	3	MUET band 1/2 OR ELPT band 5.5 - 6.5
SBLE1043	English For Communication II	3	MUET band 3/4 OR ELPT band 7.0 – 7.5
SBLE2103	Process Writing	3	MUET band 5/6 OR SBLE1043
BPME1013	Introduction to Entrepreneurship	3	NONE
VXXX4	Co-Curriculum	4	NONE

B. PROGRAMME CORE (95 CREDIT HOURS)

i. Basic Agricultural Science Courses (18 Credit Hours)

Code	Course	Credit Hours	Pre-requisite
BECA1013	Biology	3	NONE
BECA1023	Chemistry	3	NONE
BECA2013	Animal Husbandry	3	BECA1013 Biology AND BECA1023 Chemistry
BECA2023	Food Science	3	BECA1013 Biology DAN BECA1023 Chemistry
BECA2033	Soil Science	3	BECA1013 Biology AND BECA1023 Chemistry
BECA2043	Agronomy	3	BECA1013 Biology AND BECA1023 Chemistry
BPMN1013	Introduction to Management	3	NONE
BKAL1013	Business Accounting	3	NONE
BWFF1013	Basic Finance	3	NONE
BPMN3023	Strategic Management	3	Final Semester OR Have taken 90 credit hours
BJMP2033	Operation and Production Management	3	SQQM1023 AND SQQS1013
BJMP3073	Purchasing and Supply Chain Management	3	BJMP2033 Operation and

			Production Management
BEEB1013	Principle of Economics	3	NONE
BEEB2013	Microeconomics	3	BEEB1013 Principle of Economics
BEEB2023	Macroeconomics	3	BEEB1013 Principle of Economics
GLUL3223	Agribusiness Law	3	NONE
BEEA3113	Agricultural Production Economics	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
BEEA3033	Agribusiness Finance	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
BEEA3123	Agribusiness Management	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
BEEA3153	Agricultural Marketing	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
BEEA3163	International Agricultural Trade and Business	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
SGDN1043	Ethics and Thinking Science	3	NONE

SQQM1023	Mathematics for Management	3	NONE
SQQS1013	Introduction to Statistics	3	NONE
BEER3043	Research Methods	3	BEEB2013 Microeconomics AND BEEB2023 Macroeconomics
STID1103	Computer Applications in Management	3	NONE
SBLM1053	*Malay Language for Management	3	NONE
SBLE3013	Business Report Writing	3	SBLE2103 Process Writing
SBLE2093	Business and Professional Communication	3	SBLE2103 Process Writing
BEEEX4908	Practicum	8	Have taken and passed all courses under the programme core

*International students are required to replace this course with SBLF1093 Bahasa Melayu Sebagai Bahasa Asing

C. LANGUAGE COMPONENT (9 CREDIT HOURS)

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

Code	Course	Credit Hours	Pre- requisite
SBLF105	Mandarin Language I	3	NONE
SBLF2053	Mandarin Language II	3	SBLF1053 Mandarin Language I
SBLF3053	Mandarin Language III	3	Mandarin Language II

*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.

D. 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 taking into account 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
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Code	1st Semester	Credit Hours	Code	2nd Semester	Credit Hours
SADN1013	Islamic and Asian Civilization	3	SADN1043 SBLE1043	Ethnic Relations English for Communication II	3 3
SBLE1033	English for Communication 1	3	SQOM1023	Mathematics for Management	3
SADN1033	Malaysian Citizenship Studies	3	BEEB2013 STID1013	Microeconomics Information System in Organizations	3 3
BEEB1013	Principles of Economics	3	OR	OR	
BECA1013	Biology	3	STID1103	Computer Applications in Management	3
BPMN1013	Introduction to Management	3	BECA1023 VXXXXXX	Chemistry Co-Curriculum	1
VXXXXXX	Co-Curriculum	1			
Total		19	Total		19
Code	3rd Semester	Credit Hours	Code	4th Semester	Credit Hours
SGDN1043	Ethics and Thinking Science	3	BWFF1013 SBLM1053	Basic Finance Malay Language for Management	3 3
SBLE2103	Process Writing	3	SBLE2053	Mandarin language II	3
SQQS1013	Introduction to Statistics	3	BECA2013	Animal Husbandary	3
BEEB2023	Macroeconomics	3	BECA2033	Soil Science	3
SBLF1053	Mandarin Language 1	3	BEEA3153	Agricultural marketing	3
BECA2023	Food Science	3	VXXXXXX	Co-Curriculum	1
VXXXXXX	Co-Curriculum	1			
Total		19	Total		19
Code	5th Semester	Credit Hours	Code	6th Semester	Credit Hours
BKAL1013	Business Accounting	3	SBLE2093	Business and Professional Communication	3
SBLE3013	Business Report Writing	3	GLUL3223	Agribusiness Law	3
SBLF3053	Mandarin language III	3	BEEA3033	Agribusiness Finance	3
BJMP2033	Operation and Production Management	3	BECA2043	Agromony	3
BEEA3123	Agribusiness Management	3	BJMP3073	Purchasing and Supply Chain Management	3
BEEA3113	Agricultural Production Economics	3			
Total		18	Total		15
Code	7th Semester	Credit Hours	Code	8th Semester	Credit Hours
BPME1013	Introduction to Entrepreneurship	3	BETX4908	Practicum	8
BEER3043	Research Methods	3			
BEEA3163	International Agricultural Trade and Business	3			
BPMN3023	Strategic Management	3			
	Free Elective	3			
Total		15	Total		8

Total Credits: 132 credit hours

COURSES OFFERED BY SEMESTER

CODE	COURSES	SEM I	SEM II
BECA1013	Biology	X	X
BECA1023	Chemistry	X	X
BECA2013	Animal Husbandary		X
BECA2023	Food Science	X	
BECA2033	Soil Science	X	
BECA2043	Agromony		X
BEEA3033	Agribusiness Finance		X
BEEA3113	Agricultural Production Economics	X	X
BEEA3123	Agribusiness Management	X	
BEEA3133	Agricultural Development Economics		X
BEEA3153	Agricultural Marketing		X
BEEA3163	International Agricultural Trade		
BEEB1013	Principles of Economics	X	X
BEEB2013	Microeconomics	X	X
BEEB2023	Macroeconomics	X	X
BEER3043	Research Methods	X	X
BPMN1013	Introduction to 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
BEEA4908	Practicum	X	X

COURSE SYNOPSIS

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.

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.

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.

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.

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.

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.

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.

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
AND BUSINESS
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.

**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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**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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**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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**BECA2043 AGRONOMY
PRE-REQUISITE BECA1013 BIOLOGY, BECA1023
CHEMISTRY 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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**BEEEX4908 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.