

BACHELOR OF AGRICULTURAL INDUSTRY (HONOURS)

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| PROGRAMME BACKGROUND |
| Bachelor of Agricultural Industry (Honours) is designated to produce graduates that possessed hands-on knowledge and skills in agriculture through theory and field practice. Students will be engaged in theory-based and practical-based courses for 4 years in Universiti Sultan Azlan Shah (USAS). Students are equipped with long-life learning elements for prestige and continuous career development as aligned with vision and missions of the university. |
| MQA ACCREDITATION REF. NUMBER |
| MQA/PA12252 |
| JPT REF. NUMBER |
| JPT/BPP(U)1000-801/117Jld.5(35) |
| LEVEL OF STUDY |
| Bachelor / Level 6 – MQF |
| MODE OF STUDY |
| Conventional |
| TEACHING MODE |
| Lecture/ Tutorial/ Laboratory/ Assignments/ SCL/ Case Study/ Field Works/ Seminars/ Small Group Discussion/Industrial Training |
| STUDY SCHEME |
| Full-Time |
| STUDY DURATION |
| 4 years |
| TOTAL CREDIT HOURS TO GRADUATE |
| 128 credit hours |
| MEDIUM OF INSTRUCTION |
| Malay and English |
| ENTRY REQUIREMENTS |
| Local Student Local Students need to fulfil the requirement of the UNIVERSITY in the following: - <ul style="list-style-type: none"> i. Passed Sijil Pelajaran Malaysia (SPM)/ equivalent; AND ii. Passed in Bahasa Malaysia at the SPM level/equivalent; AND iii. Fulfil ONE OF THE REQUIREMENTS: - |

- a) Passed Sijil Tinggi Pelajaran Malaysia (STPM) with at least Grade C (CGPA 2.00) in Pengajian Am; AND obtain Grade C (in one of the subjects) (CGPA 2.00); OR
 - b) Passed Sijil Tinggi Agama Malaysia (STAM) with at least *Jayyid*; OR
 - c) Passed Matriculation/ Foundation from any IPTA/IPTS/ Institution with at least CGPA 2.0; OR
 - d) Passed Diploma in related field and obtain CGPA 2.00 and candidate need to present the Study Academic Transcript; OR
 - e) Passed Diploma Vocational Malaysia (DVM) with at least 2.00 for academic transcript and 2.67 for vocational transcript.
 - f) Passed Kemahiran Diploma Malaysia DKM (level 4), Advanced Diploma Kemahiran Malaysia (level 5) with 3.00; OR
 - g) Other equivalent qualifications recognized by USAS Senate; AND
 - h) Obtain Band 3 in the Malaysian University English Test (MUET) before graduating.
- iv. Candidates for DVM and DKM need to obtain Credits in Bahasa Melayu and History before graduating.
 - v. Candidates with *Jayyid* at the STAM level, CGPA 2.00 and 2.5 at the STPM level or Matriculation/ Foundation, CGPA 2.0 and CGPA 2.5 at the Diploma level will be given the PRIORITY if have the following combination of the courses at the SPM level: -
Obtain PASSED for any 2 subjects' combinations: -
 - Bahasa Melayu
 - Mathematics
 - Science
 - English

International Student

International Student need to fulfil the requirement: -

- i. Obtain passed that equivalent with STPM/STAM recognized by Malaysia Government with CGPA 2.5 or *Jayyid*; OR
- ii. Passed Diploma with the recognized programme by Malaysia Government with CGPA 2.5; AND
- iii. Passed in Bahasa Melayu/ English.
- iv. Exemption will be given to candidate that have one of the requirements: -
 - a) TOEFL score 450 (PBT), 213 (CBT) or 80 (IBT)
 - b) Band 5 above for IELTS
 - c) C6 above for General Certificate of Secondary Education (O Level), University of Cambridge for Bahasa Melayu or English

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| <p>d) Passed General Certificate of Education (A-Level), University of Cambridge for Bahasa Melayu or English</p> <p>v. Obtain other recognized qualification with Diploma that certified by USAS Senate and recognized by Malaysia Government OR</p> <p>vi. Passed in Special Interview determined by USAS Senate from time to time</p> |
| CAREER PROSPECTS |
| <p>i. Agriculture officer in government and private sectors</p> <p>ii. Research officer in government and private sectors</p> <p>iii. Plantation manager</p> <p>iv. Entrepreneur</p> |
| CONTACT |
| <p>Dr. Masitah binti Ab. Jalil Head of Program - Bachelor of Agricultural Industry (Honours) 017-5359478 masitahabjalil@usas.edu.my</p> |

PROGRAMME STRUCTURE

SEMESTER 1

| NO | COURSE CODE | COURSE NAME | CLASSIFICATION | CREDIT HOURS |
|--------------|-------------|--|-----------------------|--------------|
| 1 | BBA 1052 | English Proficiency I | University Compulsory | 2 |
| 2 | BBA 1062 | English Proficiency II | | |
| 3 | BBA 1072 | English Proficiency III | | |
| 4 | BBA 1142 | Advanced English I | | |
| 5 | BBA 1152 | Advanced English II | | |
| 6 | BBA 1162 | Advanced English III | | |
| 7 | RMN6023 | Introduction To Livestock Industry | Core | 3 |
| 8 | FTK 6023 | Food Security Assurance and Halal | Core | 3 |
| 9 | ABS 6013 | Principle of Agribusiness Management and Marketing | Core | 3 |
| 10 | AGI 6023 | Islam and Agriculture | Core | 3 |
| 11 | CRP 6013 | Fundamental of Soil Science | Core | 3 |
| TOTAL | | | | 17 |

SEMESTER 2

| NO | COURSE CODE | COURSE NAME | CLASSIFICATION | CREDIT HOURS |
|--------------|-------------|---|-----------------------|--------------|
| 1 | WKU 6033 | Organizational Behaviour | University Compulsory | 3 |
| 2 | MPU 3222 | Critical and Creative Thinking | University Compulsory | 2 |
| 3 | MPU 3212 | Bahasa Kebangsaan A | | |
| 4 | BBA 1052 | English Proficiency I | University Compulsory | 2 |
| 5 | BBA 1062 | English Proficiency II | | |
| 6 | BBA 1072 | English Proficiency III | | |
| 7 | BBA 1142 | Advanced English I | | |
| 8 | BBA 1152 | Advanced English II | | |
| 9 | BBA 1162 | Advanced English III | | |
| 10 | WKU 6014 | Qiraah dan Hafazan Al- Quran | University Compulsory | 1 |
| 11 | WKU 6022 | Academic Writing | University Compulsory | 2 |
| 12 | CRP 6033 | Fundamental of Crop Science | Core | 3 |
| 13 | AQA 6013 | Principle of Aquaculture | Core | 3 |
| 14 | MPU 3502 | KOR SISPA USAS S-1 | University Compulsory | 2 |
| 15 | MPU 3422 | Introduction to Sports Science and Coaching | | |
| 16 | MPU 3412 | Kayaking and Orienteering | | |
| 17 | MPU 3432 | Hosting and Basic Event Management | | |
| 18 | MPU 3452 | Basics of Handicraft (Labu Sayong) | | |
| 19 | MPU 3462 | Basics of the Art of Photography | | |
| 20 | MPU 3472 | Basics of Video Making | | |
| 21 | MPU 3482 | Basics of Taekwondo | | |
| 22 | MPU 3492 | Basics of Sport Silat | | |
| 23 | MPU 3442 | Basics of Swimming and Water Rescue | | |
| TOTAL | | | | 18 |

SEMESTER 2.5

| NO | COURSE CODE | COURSE NAME | CLASSIFICATION | CREDIT HOURS |
|--------------|-------------|--|-----------------------|--------------|
| 1 | KOM 6013 | Introduction To Computer System | University Compulsory | 3 |
| 2 | MPU 3312 | Tasawwur Islam | University Compulsory | 2 |
| 3 | MPU 3182 | Appreciation of Ethics and Civilizations | University Compulsory | 2 |
| 4 | MPU 3192 | Philosophy and Current Issues | | |
| 5 | MPU 3192 | Philosophy and Current Issues | University Compulsory | 2 |
| 6 | MPU 3142 | Malay Language for Communication 2 | | |
| TOTAL | | | | 9 |

SEMESTER 3

| NO | COURSE CODE | COURSE NAME | CLASSIFICATION | CREDIT HOURS |
|--------------|-------------|--|----------------|--------------|
| 1 | AGI 6073 | Extension Communication and Agriculture Method Demonstration | Core | 3 |
| 2 | MTK 6103 | Business Statistics | Core | 3 |
| 3 | AGI 6053 | Agriculture Extension | Core | 3 |
| 4 | AGI 6063 | Agriculture Mechanization and Irrigation | Core | 3 |
| 5 | CRP 6023 | Fundamental of Genetics | Core | 3 |
| 6 | AQA 6023 | Fish Biology | Core | 3 |
| TOTAL | | | | 18 |

SEMESTER 4

| NO | COURSE CODE | COURSE NAME | CLASSIFICATION | CREDIT HOURS |
|----|-------------|----------------------------------|----------------|--------------|
| 1 | FSH 6013 | Introduction To Fishery Industry | Core | 3 |
| 2 | RMN 6013 | Fundamental of Livestock Science | Core | 3 |
| 3 | FTK 6013 | Introduction To Food Technology | Core | 3 |
| 4 | ECO 6013 | Principle of Economy | Core | 3 |
| 5 | CRP 6043 | Fundamental of Crop Protection | Core | 3 |
| 6 | CRP 6053 | Food Crop | Core | 3 |

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|---|----------|------------------|---------------|-----------|
| 7 | ENT 6013 | Entrepreneurship | Core | 3 |
| | | | JUMLAH | 21 |

SEMESTER 5

| NO | COURSE CODE | COURSE NAME | CLASSIFICATION | CREDIT HOURS |
|--------------------|-------------|--|----------------|--------------|
| FOOD CROP | | | | |
| 1 | PLT 6023 | Farm Security | Option | 3 |
| 2 | PLT 6063 | Plantation Project Planning | Option | 3 |
| 3 | PLT 6073 | Farm Management | Option | 3 |
| 4 | PLT 6083 | Mechanization and Automation | Option | 3 |
| PLANTATION | | | | |
| 1 | CRP 6073 | Plantation crop processing | Option | 3 |
| 2 | PLT 6043 | Plantation management system | Option | 3 |
| 3 | PLT 6093 | Plantation Crop Pest Management | Option | 3 |
| 4 | PLT 6113 | Oil Palm Crop Production | Option | 3 |
| RUMINANT | | | | |
| 1 | RMN 6033 | Raising of Ruminant | Option | 3 |
| 2 | RMN 6043 | Feed and Nutrition of Livestock | Option | 3 |
| 3 | RMN 6073 | Ruminant Breeding | Option | 3 |
| 4 | RMN 6083 | Fodder and Pasture Management | Option | 3 |
| POULTRY | | | | |
| 1 | PTR 6013 | Feed and Nutrition of Poultry | Option | 3 |
| 2 | PTR 6033 | Food Processing Technology | Option | 3 |
| 3 | PTR 6063 | Chicken Breeding | Option | 3 |
| 4 | PTR 6083 | Rearing of Broiler | Option | 3 |
| AQUACULTURE | | | | |
| 1 | AQA 6033 | Aquaculture Site Selection | Option | 3 |
| 2 | AQA 6043 | Management of Water Resource and Quality | Option | 3 |
| 3 | AQA 6053 | Fish Hatchery | Option | 3 |
| 4 | AQA 6073 | Fish Culture | Option | 3 |

| FISHERY | | | | |
|----------------|----------|---|--------|-----------|
| 1 | FSH 6023 | Fishery Science | Option | 3 |
| 2 | FSH 6033 | Fish Resource Management and Conservation | Option | 3 |
| 3 | FSH 6043 | Aquatic Ecology and Fishery | Option | 3 |
| 4 | FSH 6053 | Limnology dan Oceanography | Option | 3 |
| TOTAL | | | | 12 |

SEMESTER 6

| NO | COURSE CODE | COURSE NAME | CLASSIFICATION | CREDIT HOURS |
|-------------------|--------------------|---|-----------------------|---------------------|
| FOOD CROP | | | | |
| 1 | CRP 6083 | Crop Yield Innovation | Option | 3 |
| 2 | CRP 6093 | Soil Fertility Management | Option | 3 |
| 3 | CRP 6103 | Organic Fertilizer and Compost | Option | 3 |
| 4 | CRP 6133 | Nursery Management | Option | 3 |
| PLANTATION | | | | |
| 1 | CRP 6063 | Crop Physiology | Option | 3 |
| 2 | AGI 6043 | Weed Management | Option | 3 |
| 3 | PLT 6033 | Development of Human Resource In Agriculture Sector | Option | 3 |
| 4 | PLT 6103 | Rubber Crop Plantation Production | Option | 3 |
| RUMINANT | | | | |
| 1 | RMN 6063 | Livestock Health | Option | 3 |
| 2 | RMN 6093 | Management and Marketing of Livestock Products | Option | 3 |
| 3 | RMN 6113 | Ruminant Waste Management | Option | 3 |
| 4 | RMN 6123 | Livestock Farm Biosecurity Management | Option | 3 |
| POULTRY | | | | |
| 1 | PTR 6023 | Poultry Health | Option | 3 |
| 2 | PTR 6073 | Anatomy and Physiology of Poultry | Option | 3 |
| 3 | PTR 6093 | Poultry Farm Biosecurity Management | Option | 3 |

| | | | | |
|--------------------|----------|--|--------|-----------|
| 4 | PTR 6103 | Poultry Waste Management | Option | 3 |
| AQUACULTURE | | | | |
| 1 | AQA 6063 | Feed and Nutrition of Fish | Option | 3 |
| 2 | AQA 6083 | Fish Health | Option | 3 |
| 3 | AQA 6093 | Aquaculture Products Harvesting | Option | 3 |
| 4 | AQA 6103 | Mechanization and Automation | Option | 3 |
| FISHERY | | | | |
| 1 | FSH 6063 | Fishery Products Handling | Option | 3 |
| 2 | FSH 6093 | Fishery Technology | Option | 3 |
| 3 | FSH 6103 | Mechanization and Automation in Fishery | Option | 3 |
| 4 | FSH 6123 | Processing and Marketing of Fishery Products | Option | 3 |
| TOTAL | | | | 12 |

SEMESTER 7

| NO | COURSE CODE | COURSE NAME | CLASSIFICATION | CREDIT HOURS |
|-------------------|-------------|--|----------------|--------------|
| FOOD CROP | | | | |
| 1 | CRP 6123 | Production and Seed Technology | Option | 3 |
| 2 | CRP 6143 | Crop Breeding | Option | 3 |
| 3 | CRP 6113 | Rice, Vegetables and Fruits Production | Option | 3 |
| PLANTATION | | | | |
| 1 | AGI 6033 | Commercial Law | Option | 3 |
| 2 | PLT 6013 | Industrial Crop | Option | 3 |
| 3 | PLT 6053 | Minor Industry Plantation Crop | Option | 3 |
| RUMINANT | | | | |
| 1 | RMN 6053 | Maintenance of Livestock System | Option | 3 |
| 2 | RMN 6103 | Livestock Farm Management | Option | 3 |
| 3 | CRP 6103 | Organic Fertilizer and Compost | Option | 3 |
| POULTRY | | | | |
| 1 | PTR 6043 | Poultry System Maintenance | Option | 3 |
| 2 | PTR 6053 | Management and Marketing of Poultry | Option | 3 |

| | | | | |
|--------------------|----------|-----------------------------------|--------|----------|
| | | Products | | |
| 3 | CRP 6103 | Organic Fertilizer and Compost | Option | 3 |
| AQUACULTURE | | | | |
| 1 | FSH 6023 | Fishery Science | Option | 3 |
| 2 | FSH 6043 | Aquatic Ecology and Fisheries | Option | 3 |
| 3 | FSH 6123 | Aquaculture Products Harvesting | Option | 3 |
| FISHERY | | | | |
| 1 | FSH 6073 | Operation and Security of Fishery | Option | 3 |
| 2 | FSH 6083 | Vessel Maintenance and Shipping | Option | 3 |
| 3 | FSH 6113 | Laws and Rules of Fish Harvesting | Option | 3 |
| TOTAL | | | | 9 |

SEMESTER 8

| NO | COURSE CODE | COURSE NAME | CLASSIFICATION | CREDIT HOURS |
|--------------|-------------|---------------------|-----------------------|--------------|
| 1 | AGI 6013 | Industrial Training | University Compulsory | 12 |
| TOTAL | | | | 12 |

SUMMARY

| SEMESTER | CREDIT HOUR |
|---------------------------|-------------|
| SEMESTER 1 | 17 |
| SEMESTER 2 | 18 |
| SEMESTER 2.5 | 9 |
| SEMESTER 3 | 18 |
| SEMESTER 4 | 21 |
| SEMESTER 5 | 12 |
| SEMESTER 6 | 12 |
| SEMESTER 7 | 9 |
| SEMESTER 8 | 12 |
| TOTAL CREDIT HOURS | 128 |