

# MASTER OF **SCIENCE IN SUSTAINABLE AQUACULTURE**

Community-Driven University For a Sustainable World

FACULTY OF RESOURCE SCIENCE  
AND TECHNOLOGY

by coursework

**OCTOBER,  
FEBRUARY & JUNE**  
Intakes

# INTRODUCTION

Master of Science in Sustainable Aquaculture programme aims to nurture competent graduates in the field of aquaculture in pursuit to meet the needs of the industry. It emphasises on sustainable agriculture that is commensurate with the global Sustainable Development Goals (SDG), as well as our country's long-term food security goal. Concurrently, the values of lifelong learning, leadership qualities, and holistic principles are upholding in engaging competent "environmentalists" to industry and society as a whole. In fulfilment of the above objectives, this programme is structured in a way that students are cultivated to implement problem solving in innovative, creative and ethical manner. Sustainable aquaculture practice and management, fish health management, advance breeding and production, biotechnology in aquaculture, e-marketing and precision in aquaculture are among the courses offered that are on par to the IR 4.0 development to ultimately pursuit the global and national goals. The programme is based on a trimester system; October, February and June in an academic year.

## ENTRY REQUIREMENTS

- A Bachelor's Degree in Science with a minimum CGPA of 2.50 or equivalent, as accepted by the Senate; or
- A Bachelor's Degree in Science or equivalent with CGPA less than 2.50 and a minimum of 5 years working experiences in related field; or
- Other equivalent qualifications approved by the Senate
- For international students, a minimum IELTS score of 4.5 or its equivalent (e.g. MUET Band 3; TOEFL iBT 33; TOEFL Essential (Online) 6.5, Pearson Test of English 43, Cambridge English Qualifications and Tests 147)\* is required.

## ALTERNATIVE OPTION FOR ADMISSION

### **APEL. A for Access**

- APEL.A is applicable to local and international applicants who do not meet the regular entry requirements imposed by academic programmes at any MQF level
- Applicants applying for entry via the APEL.A must meet the minimum age requirements stipulated for the various level of qualifications
- Applicants must fulfil the minimum formal qualifications stipulated, for Master's and Doctorate level
- Applicants applying for entry via the APEL.A must have prior experiential learning

## POTENTIAL APPLICANTS

- Practitioners
- Academicians
- Fresh graduates

## DURATION OF PROGRAMME

Full Time

**1-2 years**

Part Time

**2-4 years**

## PROGRAMME SCHEDULE

The programme requires students to accumulate 40 credit hours in their studies. All teaching and learning activities are conducted during the weekends (Saturday & Sunday) for both mode of study (full time & part time).

## FACILITIES & RESOURCES

- Perpustakaan Tun Abdul Rahman Ya'kub (PeTARY)
- Computing Facilities
- Online Learning Support
- Resources Rooms
- Aquatic Research Lab

## PROGRAMME STRUCTURE

### Core Courses

STA6013	Sustainable Aquaculture Practices
STA6023	Sustainable Farm and Hatchery Management
STA6033	Fish Health Management
STA6053	Water Quality and Waste Management
STA6043	Advanced Breeding Techniques
STA6063	Advanced Genetics and Biotechnology in Aquaculture
STA6073	Research Methodology
STA6093	Contemporary issues in aquaculture
STA6112	Post Harvest Technology
STA6082	Precision in Aquaculture
STA6102	E-Marketing
STA6124	Research Project

### Elective Courses (Choose 2)

STA6143	Entrepreneurship
STA6153	Management in the Workplace
STA6183	Monitoring Using Earth Observation (EO) and GIS
STA6133	E-Business
STA6163	Human Resources Development
STA6173	Ecological Science

## FAST TRACK OPTION

### APEL.C for Credit Transfer

Qualified individuals with relevant prior learning experiences could take APEL.C assessments (Portfolio/Challenge Test) for credit transfer in APEL Assessment Centre, UNIMAS.

## COURSE FEES

Full Time:

Malaysian student **RM18,966.00**  
International student **RM25,900.00**

Part Time:

Malaysian student **RM19,312.00**

Fees include administrative, tuition and course materials for the duration of the programme. Further payment will be required if the students extend their studies.

# CONTACT US

## **Dr Lau Lik Ming**

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## **For General Inquiries**

### **Centre for Graduate Studies**

Universiti Malaysia Sarawak (UNIMAS)  
94300 Kota Samarahan, Sarawak, Malaysia.  
Website: <http://www.postgrad.unimas.my>  
Phone: +6082 58 1067/1066/1069

### **UNIMAS Business School**

Level 4, UNIMAS City Campus  
Lot 77, Section 22, KTLD  
Jalan Tun Ahmad Zaidi Adruce  
93150 Kuching, Sarawak, Malaysia.  
Website: <https://www.business.unimas.my>  
Phone: +6082-222111  
Email: [ubs@unimas.my](mailto:ubs@unimas.my)

# APPLICATION PROCEDURE

Application must be submitted online at  
<https://oas.aa.unimas.my>

Application is open throughout the year.

### Disclaimer:

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