



## ▶ PROGRAMME DESCRIPTION

Water is the world's most precious natural resource. The Water Resources Management program prepares students to face the complexities of managing this critical natural resource and their use in the urban, industrial, and agricultural environment. Water is the world's most precious natural resource. This program provides advanced knowledge and skills in making sound, independent judgments about the best way to manage water resource and an understanding of the latest developments in the field. The Master of Water Resource Managements is designed to make the students ready for jobs in fields of water resource along with specialization in management, administration, resource study, and agricultural environment. The course will also provide additional opportunities to enhance their credentials in the service. The outcomes of the proposed program, as envisaged, would certainly contribute significantly towards a societal outlook and responsibility to improved quality of resources and the environment. After completion of this course, the students can opt for research work that will provide them with in-depth knowledge and skills to advance their career in research or they can even pursue further Ph.D. programmes in the related fields.

## ▶ PROGRAMME AIM

The programme of Master of Water Resource Managements is intended for those, who desire to pursue a career in the natural resources conservation and Management. Students would learn in detail about the varied aspects of Water Resource Managements. Knowledge acquired through this programme, would help the students to implement effectual methods conservation, management of the environment. The aims of this programme are:

- To provide the knowledge to describe and predict for a given water resources system the main hydrological, hydraulic, chemical and biological processes and how these processes are dynamically linked with aquatic ecosystems as well as with human activities such as land and water use and pollution;
- To train the students to describe and explain the main concepts and instruments for analyzing & influencing formal and informal arrangements for water quality management, including policies, laws and institutions, and by adopting a historical perspective;
- To provide concepts to explain the key concepts for integrated, multidisciplinary & interdisciplinary analyses of aquatic ecosystems and describe the challenges of such approaches;
- To design, apply and evaluate models for institutional arrangements with emphasis on institutional reforms, policy development and good governance;
- To describe the concepts to determine the value of water for various uses and users in (amongst others) economic and ecological terms and explain how these concepts can be used in water resources planning at various spatial and temporal scales.

## ▶ ENTRY REQUIREMENTS

- A Bachelor's Degree (Level 6, Malaysian Qualifications Framework, MQF) in the field or related fields with a minimum Cumulative Grade Point Average (CGPA) of 2.75 or equivalent, as accepted by the Lincoln University College Senate; or
- A Bachelor's Degree in the field or related fields or equivalent with a minimum CGPA of 2.50 and not meeting CGPA of 2.75, can be accepted subject to rigorous internal assessment; or
- A Bachelor's Degree in the field or related fields or equivalent with minimum CGPA of 2.00 and not meeting CGPA of 2.50, can be accepted subject to a minimum of five years working experience in the relevant field and rigorous internal assessment.
- Candidates without a qualification in the related fields or relevant working experience must undergo appropriate prerequisite courses determined by Lincoln University College and meet the minimum CGPA based on (i) to (iii).

For International students, Test of English as a Foreign Language (TOEFL) score of 500 or International English Language Testing System (IELTS) score of 5.0 or its equivalent. If a student does not meet this requirement, Lincoln University College must offer English proficiency courses to ensure that the student's proficiency is sufficient to meet the needs of the programme. This is normally conducted through an assessment process.

## ▶ PROGRAMME DURATION

Full Time:

Minimum Duration: 18 Months.

Maximum Duration: 30 Months

Part Time:

Minimum Duration: 18 Months.

Maximum Duration: 30 Months

## ▶ INTAKE January, June

## ▶ LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

Sl. No.	MQA Subject Code	Subject Name	Credits
1.	MWRM 701	Surface and Groundwater Hydrology	3
2.	MWRM 702	Water Quality and Treatment	3
3.	MWRM 703	Research Methodology	3
4.	MWRM 704	Computer Application	3
5.	MWRM 705	Dissertation	NA
<b>Research topics on any one of the following specialties</b>			
	a.	Water Resources Management	
	b.	Surface Water / Ground Water Modelling	
	c.	Water / Wastewater Treatment	
	d.	Water Distribution and Network Design	
	e.	Irrigation and Drainage	