



## PROGRAMME DESCRIPTION

Masters Degrees in Civil Engineering would produce highly competitive researchers and professionals in the fields of civil engineering capable of taking challenges involved in designing, implementing and maintaining vital infrastructure, from everyday tunnels, bridges and railways to flood barriers and earthquake protection systems. The students will be given a stimulating teaching environment which blends conventional lectures and tutorials with online materials. The curriculum would include supportive programs with industry and other academic institutions, including new developments, current implementation status and prospects of future expansion. The program would impart and enhance capability and capacity to develop a healthy body and mind to become a disciplined individual, disciplined manager, and disciplined leader.

For successful completion of Masters degree in LUC, each candidate should publish minimum of Two research articles in scopus indexed journals, with Lincoln affiliation.



## PROGRAMME AIM

The aim of this program is to produce graduates who are both skilled in structural engineering principles and have the ability to apply and solve complex open-ended engineering works and problems. The program of Master of Science in Civil Engineering will produce Civil Engineers who are:

- Knowledgeable to apply practical skills to face the challenges and opportunities of the rapidly evolving civil engineering field.
- Capable of demonstrating individual, professional and social responsibility through value and attitudes.
- Able to organize and relate ideas coherently in written, oral, and graphic form using standard conventions and tools and synthesize information, and draw reasoned inferences in the field of civil engineering.
- Proficient with information management skills to pursue advanced educational opportunities, along with the development of life-long learning skills for enquiry based learning.



## PROGRAMME DURATION

Minimum Duration: 18 Months.

Maximum Duration: 36 Months.



## CAREER OPPORTUNITIES

Masters Degrees in Civil Engineering program is to encourage students to make unceasing and diligent efforts to pursue holistic self-development to cultivate self-discipline and integrity, to nurture creativity into broad-minded future leaders with a global outlook. Civil and structural engineers work in a range of sectors, particularly the construction sector, on buildings of all kinds of transport and communications infrastructure. Career prospects after a Masters in Civil Engineering include:

- Building control surveyor · Consulting civil engineer · Contracting civil engineer · Nuclear engineer · Site engineer · Structural engineer · Water engineer · Building services engineer · Engineering geologist · Environmental consultant
- Patent attorney · Quantity surveyor · Sustainability consultant

**Call us :**

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## INTAKE AND ENTRY REQUIREMENTS

**Intake:** 1. January, 2. May, 3. September

### Entry Requirements:

- A Bachelor (Level 6 Qualification Framework (MOF) or equivalent from an institution that is accepted by the Senate and is recognized by the Malaysian Government with minimum CGPA of 2.50; or
- A Bachelor (Level 6, MOH) or equivalent from a institution recognized by the Government of Malaysia which did not meet the minimum CGPA of 2.50 may be admitted subject to a minimum of 5 years working experience in the related field.

## LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

2	Structural Dynamics
3	Advanced Steel Structures
4	Advanced Soil Mechanics
5	Research Methodology
6	Design Of Substructures
7	Earthquake Geo-technical Engineering
8	Energy Conservation techniques in build Construction
9	Construction methods and Equipment
10	Advanced Construction Techniques
11	Pre-Stressed Concrete
12	Principles of Environmental Management
13	Railway engineering
14	Design of Pavements
15	Geometric design of highways
16	Highway and Airport Pavement Materials
17	Industrial Pollution control and Prevention Technologies
18	Structural Stability
19	Project Management
20	Soil Exploration
21	Soil Structure Interaction
22	Environmental Geo-techniques
23	Design of Hydraulic Systems
24	Advanced Fluid Mechanics
25	Hydro power Engineering
26	Water Quality Modelling
27	Wastewater treatment
28	Water and Waste water Engineering
29	Research Project

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