

CIV 7345	CE 668 Water Resources Engineering Laboratory	4
CIV 7346	CE 669 Applied Hydrology and Flood Control Engineering	3
CIV 7347	CE 670 River Engineering	4

CIV 7348	CE 671 Hydraulics Structures	3
CIV 7349	CE 672 Water Resources Project and Planning	4
Year II: Semester I & II		
TEC 8101	Research and Dissertation	3

MASTER OF ENGINEERING (ELECTRICAL) (MEEL)

Specific Admission Requirements

Applicants must be holders of a B.Sc. degree in Electrical Engineering or its equivalent from a recognized University and have been in full-time employment as Electrical Engineers.

Type of Programme

The Master of Engineering (Electrical) Degree shall be conducted by Coursework and Dissertation.

Duration

The minimum duration shall be two years.

Programme Structure

Year I: Semester I (All courses are compulsory)		CU
TEC 7101	Principles of Management	3
EMT 7101	Computer Applications in Engineering	4
MEC 7101	Maintenance Engineering	3
ELE 7101	Instrumentation and Control	3
Semester II (1Compulsory Course & 3 Electives)		
TEC 7201	Business Administration I (Compulsory course)	3
TEC 7200	Research Methods	3

Electives (To select three)		
ELE 7201	Power Generation and Power Stations	3
ELE 7202	Advanced Power Systems	3
ELE 7203	Telecommunication System I	4
ELE 7204	Microprocessors and applications	4
ELE 7205	Electrical Services in Building Industry	3
ELE 7206	Computer Hardware and Networking	4
Recess Term		
Compulsory Courses		
TEC 7301	Business Administration II	3
TEC 7302	Research Methods	3
Elective Courses (To select two)		
ELE 7303	Energy Resources	3
ELE 7304	Advanced Electrical Machines	4
ELE 7305	Telecommunication System II	3
ELE 7306	Broadcast Services Engineering	3
ELE 7307	Industrial Control Systems	4
ELE 7308	Design and Fabrication of electronic circuits	4
ELE 7309	Radio Communication System	3
Year II : Semester I and II		
MEC 8101	Research and Dissertation	8

MASTER OF ENGINEERING (MECHANICAL) (MEME)

Specific Admission Requirements

Applicants must be holders of a B.Sc. degree in Mechanical Engineering or its equivalent from a recognized University and have been in full-time employment as Mechanical Engineers.

Type of Programme

The Master of Engineering (Mechanical) Degree shall be conducted by Coursework and Dissertation.

Duration

The minimum duration shall be two years.

Programme Structure

Year I: Semester I (All courses compulsory)		CU
TEC 7101	Principles of Management	3
EMT 7101	Computer Applications in Engineering	4
MEC 7101	Maintenance Engineering	3
MEC 7101	Instrumentation and Control	3

Semester II (1Compulsory course & 3 Electives)		
TEC 7201	Business Administration I (Compulsory course)	3
TEC 7200	Research Methods	3
Elective Courses (To select three)		
MEC 7201	Energy Planning and Management	4
MEC 7202	Renewable Energy Technology	3
MEC 7203	Welding Engineering	3
MEC 7204	Production Engineering	4
MEC 7205	Engineering Fracture and Fatigue	4
Recess Term		
Common Compulsory Courses		
TEC 7301	Business Administration II	3
Elective Courses (To select two)		
MEC 7302	Air Conditioning and Refrigeration	4

MEC 7303	Heat Exchanger Design	4
MEC 7304	Power Plants	4
MEC 7305	Combustion Engineering	4
MEC 7306	Extractive Metallurgy	4
MEC 7307	Plastic Deformation and Metal Forming	4
MEC 7308	Plastics Engineering	4
MEC 7309	Fuels, Furnaces and Refractories	4
MEC 7310	Production Planning and Control	3
MEC 7311	Materials Handling and Management	3
MEC 7312	Advanced Manufacturing Processes	4
MEC 7313	Machine Tool Design	3
Year II: Semester I and II		
MEC 8101	Research and Dissertation	8

MASTER OF ARCHITECTURE (DAY/EVENING) (MARC)

Objectives

- To equip architects with advanced skills to address practical problems in the field.
- To strengthen capacity at various levels of the professional institutions in government, local authorities and the private sector
- To impart advanced skills necessary to meet the challenges of competition at the regional and international level.

Target Group

The target group of the programme is the many architects, engineers, urban planners and surveyors in the field who wish to improve on their professional qualifications in a field which has become highly competitive and demanding.

Regulations for the Master of Architecture Degree

General Regulations

The common Regulations and Guidelines for Master's Degree of Makerere University shall be applicable. These include:

- a) Guidelines for application, registration, research proposal, supervision, viva voce;

- b) Regulations on submission of progress reports and final Dissertation;
- c) Appointments of Supervisors and Examiners.

Type of Programme

The Master of Architecture Degree shall be conducted by course-work and Dissertation on an evening programme basis. Masters level study differs from first degree studies in the depth of analysis/understanding required, and also the level of original/innovative thought involved. Enhancement of understanding and innovative thought may result from either increasing the depth or by increasing the breadth by widening the basis of reference. In many cases a combination of these approaches is appropriate.

Masters level study pre-supposes that prior knowledge and skills have been established by appropriate foundation, thus leading to a level demanding more advanced and intensive study than a first degree, and including a compulsory element of advanced independent work.

Programme Credit Units

- i) The Programme shall be conducted on Credit Unit (CU) basis.