

MEC 4202	Environmental Engineering	4
MEC 4203	Mechanical Vibrations	4
MEC 4204	Automotive Engineering	4
MEC 4205	Air Conditioning and Refrigeration	4
MEC 4206	Fluid Power Systems	4
MEC 4207	Operations the Project Management for Mechanical Engineers	4
MEC 4209	Mechanical Engineering Project II	4
MEC 4208	Kinematics Linkage Design	4
MEC 4210	Project	6
MEC 4212	Maintenance Engineering	4

MEC 4216	Welding Technology	4
MEC 4220	Operations Research	4
Elective Courses (Select Two)		
MEC 4105	Renewable Energy Systems	4
MEC 4106	Materials Handling	4
MEC 4117	Automotive Engineering	4
MEC 4119	Air Conditioning and Refrigeration	4
MEC 4203	Mechanical Vibrations	4
MEC 4208	Kinematics Linkage Design	4
MEC 4216	Welding Technology	4
MEC 4220	Operations Research	4

BACHELOR OF SCIENCE IN SURVEYING (BSUR)

Programme Structure

Year I: Semester I		CU
CSK 1101	Communication Skills	
SUV 1101	Principles of Surveying I	4
EMT 1102	Survey Mathematics I	4
SUV 1102	Physics for Surveyors	4
SUV 1103	Plan Drawing	4
SUV 1104	Natural Environment Studies	4
TEC 1101	Communication Skills for Technology	3
Semester II		
SUV 1201	Introduction to Advanced Surveying	4
SUV 1202	Measurement Science	4
SUV 1203	Land Economy I	3
SUV 1204	Economics for Surveyors	3
SUV 1205	Computer Studies for Surveyors I	4
SUV 1206	Engineering Surveying	3
Recess Period		
IND 1302	Survey Camp	4
SUV 1301	Survey Camp	4
	Total Year I Credit Units	50
Year II: Semester I		
EMT 2101	Engineering Mathematics II	4
EMT 2102	Survey Mathematics II	4
TEC 2101	Sociology for Technology	4
SUV 2101	Cartography	4

SUV 2102	Building Economics I	3
SUV 2103	Land Economy II	4
SUV 2104	Map Projections	4
SUV 2132	Building Economics	3
Semester II		
EMT 2202	Information Communication Technology III	4
SUV 2201	Principles of Landscape Design	4
SUV 2202	Photogrammetry I	4
SUV 2203	Hydrographic Surveying	3
SUV 2204	Computer Studies to Surveyors II	4
SUV 2205	Land Law for Surveyors	4
Recess Period		
IND 2302	Field Training	2
SUV 2301	Field Training for Surveyors I	2
	Total Year II Credit Units	46
Year III : Semester I		
EMT 3101	Survey Mathematics III	4
SUV 3101	Survey Adjustments I	3
SUV 3102	Land Registration	4
SUV 3103	Photogrammetry II	4
SUV 3104	Physical Geodesy	3
SUV 3105	Research Methods to Surveyors	3

Semester II		
SUV 3201	Geographical Information Systems	4
SUV 3202	Survey Adjustments II	4
SUV 3203	Geometrical Geodesy	3
SUV 3204	Building Economics II	3
SUV 3205	Land Economy III	3
SUV 3206	Remote Sensing	3
Recess Period		
IND 3301	Field Training	2
SUV 3301	Field Training for Surveyors	2
	Total Year III Credit Units	44

Year IV: Semester I		
SUV 4101	Land Development	4
SUV 4102	Cadastral Surveying	3
SUV 4103	Professional Practice for Surveyors	4
SUV 4104	Geodetic Astronomy	4
SUV 4105	Survey Project	5
Semester II		
EMG 4201	Entrepreneurship	4
SUV 4202	Satellite Geodesy	4
SUV 4201	Business Management	4
SUV 4103	Survey Project	3
	Total Year IV Credit Units	33

BACHELOR OF SCIENCE (QUANTITATIVE SURVEYING) (BSQS)

Year I: Semester I:			CU
EMT 1103	Mathematics for Architecture	3	
EMT 1104	Information Communication Technology I	3	
EMT 1105	Mathematics for Surveyors and Construction Managers	4	
LEC 1101	Physical Environment for Surveyors	3	
LEC 1102	Basic Law and Governance Structures	3	
LEC 1103	Microeconomics for Surveyors and Construction Managers	3	
TEC 1101	Communication Skills for Technology	4	
QUS 1103	Physical Environment	4	
QUS 1104	Basic Law and Governance structures	3	
QUS 1105	Microeconomics	3	
QUS 1106	Communication Skills	4	
SUR 1101	Principles of Surveying	4	
SUR 1102	Physics of Surveyors	4	
SUR 1103	Plan Drawing	4	
SUR 1104	Natural Environmental Studies	4	
Semester II:			
CIV 1203	Electrical Engineering for Civil Engineers	4	
LEC 1201	Elements of Structural Analysis	3	
LEC 1202	Law of Contract for Surveyors	3	
LEC 1203	Macroeconomics for Surveyors	3	
LEC 1204	Construction Materials for Surveyors	4	

CMG 1202	Land Surveying for Construction Managers	4
CMG 1203	Construction Technology for Surveyors I	4
LEC 1205	Construction Drawing for Surveyors	3
QUS 1201	Theory and Design of Structures I	4
QUS 1202	Law of Contract	3
QUS 1203	Macroeconomics	3
QUS 1204	Construction Materials	4
QUS 1205	Construction Technology I	4
QUS 1206	Construction Drawing	3
Recess Term		
QUS 1301	Measured Drawing	
LEC 1301	Measured Drawing	3
Year II: Semester I		
LEC 2101	Research Methods and Statistics	2
CMG 2102	Construction Technology II	3
LEC 2102	Law of Torts	4
LEC 2103	Principles of Management	3
LEC 2104	Development Economics	3
TEC 2101	Sociology for Technology	3
LEC 2105	Building Finishes and Fixtures	3
QUS 2101	Research Methods and Statistics	2
QUS 2102	Construction Technology II	4
QUS 2103	Law of Torts	3
QUS 2104	Principles of Management	3