



APPROVED

Awards	
Ordinary Bachelor Degree	
Mode of Delivery:	Full Time, Part Time, Distance Education, ACCS
No. of Semesters :	6
NFQ Level:	7
Programme Credits:	180
Language of Instruction:	English
Department:	Aerospace, Mechanical & Electronic Engineering

Semester Schedules

Stage 1 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
AGRI C1F03	Principles of Crop Production
AGRI C1F04	Mechatronics for Agriculture
MATH C1605	Engineering Mathematics 1
PHYS C1F02	Applied Physics for Agriculture 1

Stage 1 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
AGRI C1714	Ruminant Animal Production
DSGN C1F02	Agricultural Design and Mechanisation
MATH C1608	Engineering Mathematics 2
MGMT C1F02	AgriBusiness Management

Stage 1 Exit Only Award : Undeclared

Stage 2 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
MANU C2F02	Manufacturing and CAD
MATH C2607	Engineering Mathematics 3
MKTG C2F02	Agricultural Marketing I
PHYS C2F02	Applied Physics for Agriculture 2
SCIE C2F02	Concepts in Soil Science

Stage 2 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
ECON C2F02	Agricultural Micro Economics
ENGR C2F04	Materials Science in Engineering
MATH C2608	Engineering Mathematics 4
SYST C2F03	Sustainable Cropping Systems
SYST C2F04	Automation and PLC's for Agricultural Systems

Stage 2 Exit Only Award : Higher Certificate

Stage 3 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
AGRI C3F01	Precision Agriculture
AGRI C3F02	Agricultural Design, Simulation and Analysis
MATH C3603	Engineering Mathematics 5
MKTG C3F01	Agricultural Marketing II
SCIE C3F01	Applied Soil Science

Stage 3 / 60 ECTS / Semester 2

Mandatory	
Module Code	Module Title
INDL C3604	Industrial Studies
SYST C2609	Introduction to Systems and Control
COMP C3F01	Advanced PLCs
AGRI C3F03	Process Instrumentation
PROJ C3F01	Development Project (Engineering)
WKPL C3603	Work Placement

Stage 3 Exit Only Award : Ordinary Bachelor Degree