



APPROVED

Awards	
Ordinary Bachelor Degree	
Mode of Delivery:	Full Time, 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

Elective Regulation

All subjects are mandatory. Modules may require that students participate in class work, practical work & project work per assessment criteria. A minimum of 40% may be required in each of these elements to satisfy the module learning outcomes.

Mandatory	
Module Code	Module Title
DSGN C1608	Aircraft Anatomy and Design 1
AVIO C1602	Avionics Fundamentals 1
MGMT C1602	Management Fundamentals and Communications
MATH C1605	Engineering Mathematics 1
SCIE C1605	Aviation Science 1

Stage 1 / 60 ECTS / Semester 2

Elective Regulation

All subjects are mandatory. Modules may require that students participate in class work, practical work & project work per assessment criteria. A minimum of 40% may be required in each of these elements to satisfy the module learning outcomes.

Mandatory	
Module Code	Module Title
DSGN C1609	Aircraft Anatomy and Design 2
AVIO C1605	Avionics Fundamentals 2
MATH C1608	Engineering Mathematics 2
PRAC C1604	Aviation Engineering Practice
SCIE C1606	Aviation Science 2

Stage 2 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
MATH C2607	Engineering Mathematics 3
AVIO H2601	Avionics 1
SYST H2602	Propulsion Systems 1
AVIA H2603	Human Factors in Aviation
PROJ H2609	Project 1 (Avionic)

Stage 2 / 60 ECTS / Semester 2

Elective Regulation

Students may EXIT at this stage of the programme with a Higher Certificate in Engineering in Aircraft Systems (Embedded Exit Award), provided they have achieved the required Level 6 learning outcomes. Academic regulations apply.

Mandatory	
Module Code	Module Title
MATH C2608	Engineering Mathematics 4
PRTC H2602	Aviation Maintenance Practices
AVIA H2605	Aviation Construction Materials and Hardware
MECH H2607	Mechanics of Materials 1
PROJ H2610	Project 2 (Mechanical)

Stage 3 / 60 ECTS / Semester 1

Mandatory	
Module Code	Module Title
MATH C3603	Engineering Mathematics 5
SYST H3602	Propulsion Systems 2
LAWS H3601	Aviation Legislation
ELEC H3603	Electrical Power Systems
AVIO H3602	Avionics 2

Stage 3 / 60 ECTS / Semester 2

Elective Regulation

Learners who have successfully achieved all of the required programme learning outcomes and have accumulated 180 credits may then apply to progress to Stage 4 of the Bachelor of Engineering (Honours) in Aerospace Engineering. Academic regulations apply.

Mandatory	
Module Code	Module Title
INDL C3604	Industrial Studies
STRU H3603	Aircraft Structures
AVIA H3604	Aircraft Systems
PROJ C3603	Development Project (Engineering)