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)