

FACULTY OF SCIENCE AND ENGINEERING

UNDERGRADUATE STUDENT HANDBOOK

YEAR 2 (FHEQ LEVEL 5)

AEROSPACE ENGINEERING

DEGREE PROGRAMMES

SUBJECT SPECIFIC
PART TWO OF TWO
MODULE AND COURSE STRUCTURE
2025-26

DISCLAIMER

The Faculty of Science and Engineering has made all reasonable efforts to ensure that the information contained within this publication is accurate and up-to-date when published but can accept no responsibility for any errors or omissions.

The Faculty of Science and Engineering reserves the right to revise, alter or discontinue degree programmes or modules and to amend regulations and procedures at any time, but every effort will be made to notify interested parties.

It should be noted that not every module listed in this handbook may be available every year, and changes may be made to the details of the modules. You are advised to contact the Faculty of Science and Engineering directly if you require further information.

IMPORTANT

Term Dates

The 25-26 academic year begins on 29 September 2025

Full term dates can be found here

Academic Integrity

Swansea University and the Faculty of Science of Engineering takes any form of academic misconduct very seriously. In order to maintain academic integrity and ensure that the quality of an Award from Swansea University is not diminished, it is important to ensure that all students are judged on their ability. No student should have an unfair advantage over another as a result of academic misconduct - whether this is in the form of **Plagiarism**, **Collusion** or **Commissioning**.

It is important that you are aware of the **guidelines** governing Academic Misconduct within the University/Faculty of Science and Engineering and the possible implications. The Faculty of Science and Engineering will not take intent into consideration and in relation to an allegation of academic misconduct - there can be no defence that the offence was committed unintentionally or accidentally.

Please ensure that you read the University webpages covering the topic – procedural guidance here and further information here. You should also read the Faculty Part One handbook fully, in particular the pages that concern Academic Misconduct/Academic Integrity.

The difference between compulsory and core modules

Compulsory modules must be **pursued** by a student.

Core modules must not only be **pursued**, but also **passed** before a student can proceed to the next level of study or qualify for an award. Failures in core modules must be redeemed.

Further information can be found under "Modular Terminology" on the following link - https://myuni.swansea.ac.uk/academic-life/academic-regulations/taught-guidance/essential-info-taught-students/your-programme-explained/

Key Programme Staff

Aerospace Engineering Programme Director	Aerospace Engineering Year Coordinator
Dr Nidhal Jamia	Dr Nick Croft

Year 2 (FHEQ Level 5) 2025/26 Aerospace Engineering BEng Aerospace Engineering[H400,H405]

MEng Aerospace Engineering[H403]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules
EC 2042	EG-260
EG-2012	Dynamics 1 (Mech & Aero)
Al and Aerospace Systems 20 Credits	10 Credits
Dr MS Bonney	Prof H Haddad Khodaparast
DI WIS Boililey	CORE
EG-293	EG-263
Aerodynamics	Engineering Design 2
10 Credits	10 Credits
Dr A Celik	Dr N Jamia
CORE	CORE
EGA228	EG-296
Aerospace Control	Flight Mechanics
10 Credits	10 Credits
Dr M Jiffri	Prof WG Dettmer
CORE	CORE
	2002
	Structures
	redits
	Prof JC Arnold
	RE
	277
	ect Preparation
	edits
	Fazeli/Mrs KM Thomas
	A229
	idies - Aerospace
	redits
	izishirvanshahi/Dr A Coccarelli/Dr Z Jelic
	A230
	ineering (Aerospace)
	redits
	edits e/Dr X Zou
	PRE
	T201
<u></u>	utorials: Year 2
	edits
	Arnold
	O Credits
Total 12	<i>-</i>

Optional Modules

Choose exactly 10 credits

Space Stream

EGA215	Rocket and Space Technology	Dr MJ Clee	TB2	10 (CORE)	
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Or

Choose exactly 10 credits

Structural/Computational Stream

EGA206	Aerospace Structural Mechanics and Materials	Prof DJ Penney/Dr AS Ademiloye	TB2	10 (CORE)
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Or

Choose exactly 10 credits

Material/Propulsion Stream

EG-213	Mechanical Properties of Materials	Prof DJ Penney/Prof MT Whittaker	TB2	10 (CORE)
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Year 2 (FHEQ Level 5) 2025/26

Aerospace Engineering
MEng Aerospace Engineering with a Year Abroad[H406]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules
FO 2042	EG-260
EG-2012	Dynamics 1 (Mech & Aero)
Al and Aerospace Systems	10 Credits
20 Credits	Prof H Haddad Khodaparast
Dr MS Bonney	CORE
EG-293	EG-263
Aerodynamics	Engineering Design 2
10 Credits	10 Credits
Dr A Celik	Dr N Jamia
CORE	CORE
EGA228	EG-296
Aerospace Control	Flight Mechanics
10 Credits	10 Credits
Dr M Jiffri	Prof WG Dettmer
CORE	CORE
	2002
	Structures
	redits
	Prof JC Arnold
	277
	ect Preparation
	edits
	Fazeli/Mrs KM Thomas
	A229
	dies - Aerospace
	redits
	izishirvanshahi/Dr A Coccarelli/Dr Z Jelic
	RE
	A230
	ineering (Aerospace)
	redits
	e/Dr X Zou
	RE
	7201
	utorials: Year 2
	edits
	Arnold
Total 12	O Credits

Optional Modules

Choose exactly 10 credits

Space Stream

EGA	215	Rocket and Space Technology	Dr MJ Clee	TB2	10 (CORE)	
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Or

Choose exactly 10 credits

Structural/Computational Stream

Aerospace Structural Mechanics and Materials	Prof DJ Penney/Dr AS Ademiloye	TB2	10 (CORE)
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Or

Choose exactly 10 credits Material/Propulsion Stream

EG-213Mechanical Properties of
MaterialsProf DJ Penney/Prof MT WhittakerTB210
(CORE)

Year 2 (FHEQ Level 5) 2025/26

Aerospace Engineering
BEng Aerospace Engineering with a Year in Industry[H402]

Compulsory Modules

EG-2012 Al and Aerospace Systems 20 Credits Dr MS Bonney CORE EG-293 Aerodynamics 10 Credits Dr A Celik CORE EGA228 Aerospace Control 10 Credits Dr M Jiffri CORE EG-2002 Aerospace Soutor 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-277 Research Project Preparation 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Dr AC Sazishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-2013 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits CORE EGT201 Engineering Tutorials: Year 2 0 Credits Coredits CORE EGT201 Engineering Tutorials: Year 2 0 Credits CORE EGT201 Engineering Tutorials: Year 2 0 Credits Coredits	Semester 1 Modules	Semester 2 Modules
20 Credits Dr MS Bonney CORE CORE EG-293 Aerodynamics 10 Credits Dr A Celik CORE CORE CORE CORE CORE CORE CORE CORE	EG-2012	EG-260
20 Credits Dr MS Bonney CORE EG-293 Aerodynamics 10 Credits Dr A Celik CORE EGA228 Aerospace Control 10 Credits Dr M Jiffri CORE EG-2002 Aerospace Control 10 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Dr JC Credits Dr JC Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Dr JC Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EG-232 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGA220 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Al and Aerospace Systems	Dynamics 1 (Mech & Aero)
CORE EG-203 Aerodynamics Aerodynamics 10 Credits Dr A Celik CORE EGA228 Aerospace Control 10 Credits Dr M Jiffri CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr SA Rolland/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGA230 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		, , ,
CORE EG-203 Aerodynamics Aerodynamics 10 Credits Dr A Celik CORE EGA228 Aerospace Control 10 Credits Dr M Jiffri CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr SA Rolland/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGA230 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Dr MS Bonnev	Prof H Haddad Khodaparast
Aerodynamics 10 Credits Dr A Celik Dr A Celik Dr N Jamia CORE EGA228 EG-296 Aerospace Control 10 Credits Dr M Jiffri Prof WG Dettmer CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold CORE EG-330 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGA230 Coredits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
10 Credits Dr A Celik Dr N Jamia CORE EGA228 Aerospace Control 10 Credits Dr M Jiffri CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA239 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azisishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGA220 EGA220 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGA220 EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	EG-293	EG-263
10 Credits Dr A Celik Dr N Jamia CORE CORE EGA228 Aerospace Control 10 Credits Dr M Jiffri CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA239 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azisishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGA220 CORE EGA220 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGA220 EgT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Aerodynamics	Engineering Design 2
CORE EGA-228 Aerospace Control 10 Credits Dr M Jiffri CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr AS A Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA-229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA-230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGA-210 EGR-220 EGR-220 Corputer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT-201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
Aerospace Control 10 Credits Dr M Jiffri CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EG-330 Computer Aided Engineering (Aerospace) 10 Credits Dr AC Toppenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Dr A Celik	Dr N Jamia
Aerospace Control 10 Credits Dr M Jiffri CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA29 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EG-230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	CORE	CORE
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10 Credits Dr M Jiffri CORE EG-2002 Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr M Clee/Dr X Zou CORE EGG201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Aerospace Control	Flight Mechanics
Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Dr M Jiffri	Prof WG Dettmer
Aerospace Structures 20 Credits Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	CORE	
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Dr AD Shaw/Prof JC Arnold CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Aerospace	Structures
CORE EG-233 Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	20 Ci	redits
Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Dr AD Shaw/F	Prof JC Arnold
Placement Preparation: Engineering Industrial Year 0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	CO	RE
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0 Credits Dr SA Rolland/Dr V Samaras EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Placement Preparation: E	ngineering Industrial Year
EG-277 Research Project Preparation 0 Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
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O Credits Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	EG-	277
Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
EGA229 Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	0 Cr	edits
Experimental Studies - Aerospace 10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold	Dr AC Tappenden/Dr M	Fazeli/Mrs KM Thomas
10 Credits Mr JK Mcfadzean/Prof JC Arnold/Dr S Azizishirvanshahi/Dr A Coccarelli/Dr Z Jelic CORE EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
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EGA230 Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
Computer Aided Engineering (Aerospace) 10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
10 Credits Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
Dr MJ Clee/Dr X Zou CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
CORE EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
EGT201 Engineering Tutorials: Year 2 0 Credits Prof JC Arnold		
Engineerin <mark>g Tutori</mark> als: Year 2 0 Credits Prof JC Arnold		
0 Credits Prof JC Arnold		
Prof JC Arnold		
Total 120 Credits	Total 12	0 Credits

Optional Modules

Choose exactly 10 credits Space Stream

EGA215 Rocket	and Space Technology	Dr MJ Clee	TB2	10 (CORE)
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Or

Choose exactly 10 credits Structural/Computational Stream

EGA206	Aerospace Structural Mechanics and Materials	Prof DJ Penney/Dr AS Ademiloye	TB2	10 (CORE)
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OrChoose exactly 10 credits
Material/Propulsion Stream

EG-213	Mechanical Properties of Materials	Prof DJ Penney/Prof MT Whittaker	TB2	10 (CORE)
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Year 2 (FHEQ Level 5) 2025/26

Aerospace Engineering
MEng Aerospace Engineering with a Year in Industry[H404]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules			
EC 2012	EG-260			
Al and Agranges Systems	Dynamics 1 (Mech & Aero)			
Al and Aerospace Systems 20 Credits	10 Credits			
	Prof H Haddad Khodaparast			
Dr MS Bonney	CORE			
EG-293	EG-263			
Aerodynamics	Engineering Design 2			
10 Credits	10 Credits			
Dr A Celik	Dr N Jamia			
CORE	CORE			
EGA228	EG-296			
Aerospace Control	Flight Mechanics			
10 Credits	10 Credits			
Dr M Jiffri	Prof WG Dettmer			
CORE	CORE			
EG-	2002			
Aerospace	Structures			
20 Cı	redits			
Dr AD Shaw/F	Prof JC Arnold			
CO	RE			
EG-233				
Placement Preparation: Engineering Industrial Year				
0 Credits				
Dr SA Rolland	/Dr V Samaras			
EG-277				
Research Project Preparation				
0 Credits				
Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas				
<u> </u>	A229			
	idies - Aerospace			
	redits			
	izishirvanshahi/Dr A Coccarelli/Dr Z Jelic			
CO	RE			
	A230			
	ineering (Aerospace)			
	redits			
	Dr MJ Clee/Dr X Zou			
	RE			
EG1				
	utorials: Year 2			
	edits			
Prof JC	Arnold			
Total 120	0 Credits			

Optional Modules

Choose exactly 10 credits

Space Stream

EGA215	Rocket and Space Technology	Dr MJ Clee	TB2	10 (CORE)	
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Or

Choose exactly 10 credits Structural/Computational Stream

EGA206	Aerospace Structural Mechanics and Materials	Prof DJ Penney/Dr AS Ademiloye	TB2	10 (CORE)
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OrChoose exactly 10 credits
Material/Propulsion Stream

EG-213	Mechanical Properties of Materials	Prof DJ Penney/Prof MT Whittaker	TB2	10 (CORE)
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Year 2 (FHEQ Level 5) 2025/26 Aerospace Engineering BEng Aerospace Engineering with a Year Abroad[H401]

Compulsory Modules

Semester 1 Modules	Semester 2 Modules			
EG-2012	EG-260			
	Dynamics 1 (Mech & Aero)			
Al and Aerospace Systems 20 Credits	10 Credits			
Dr MS Bonney	Prof H Haddad Khodaparast			
Dr WS Bonney	CORE			
EG-293	EG-263			
Aerodynamics	Engineering Design 2			
10 Credits	10 Credits			
Dr A Celik	Dr N Jamia			
CORE	CORE			
EGA228	EG-296			
Aerospace Control	Flight Mechanics			
10 Credits	10 Credits			
Dr M Jiffri	Prof WG Dettmer			
CORE	CORE			
EG-2				
Aerospace				
20 Cr				
Dr AD Shaw/P	rof JC Arnold			
CORE				
EG-277				
Research Project Preparation				
0 Credits				
Dr AC Tappenden/Dr M Fazeli/Mrs KM Thomas				
EGA229				
Experimental Studies - Aerospace				
10 Credits				
Mr JK Mcfadzean/Prof JC Arnold/Dr S Az				
СО	RE			
EGA				
Computer Aided Eng				
10 Cr	edits			
Dr MJ Clee				
СО	RE			
EGT				
Engineerin <mark>g Τ</mark> ι				
0 Cre				
Prof JC				
Total 120) Credits			
ional Modules				

Choose exactly 10 credits

EGA215	Rocket and Space Technology	Dr MJ Clee	TB2	10 (CORE)	
Or					

Choose exactly 10 credits

EGAZUb	Aerospace Structural Mechanics	Prof DJ Penney/Dr AS Ademiloye	TB2	10 (CORE)	
	and Materials			(CORE)	

Or

Choose exactly 10 credits

EG-213	Mechanical Properties of Materials	Prof DJ Penney/Prof MT Whittaker	TB2	10 (CORE)
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