MSc (FHEQ Level 7) 2024-25

MSc Engineering (Aerospace)

January Start - PTFEG09J

**Compulsory Modules**

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| **Jan-June 24-25** | **Sept-Jan 25-26** |
| **EG-M190****Social, environmental and economic context of research** **10 Credits****Professor JC Arnold****CORE** | **EG-M69****Advanced Airframe Structures** **10 Credits****Dr H Haddad Khodaparast****CORE** |
| **EG-M90****Advanced Aerodynamics****Prof BJ Evans/Prof K Morgan****10 Credits****CORE** | **EG-M81****Flight Dynamics and Control** **10 Credits****Prof S Adhikari****CORE** |
| **EG-M47****Business Leadership for Engineers****10 Credits** **CORE** | **EGSM00****Structural Integrity of Aerospace Metals****10 Credits****Prof C Pleydell-Pearce****CORE** |
|  | **EG-M329****Advanced Propulsion** **10 Credits****CORE** |
| **EG-M62J****Group project (Aerospace)** **30 Credits****Dr TN Croft/Dr Z Jelic/Dr N Taylor****CORE** |
| **Research Project- June-September 25-26** |
| **EG-D02****MSc Dissertation - Aerospace Engineering****60 Credits** |
| **Total 160 Credits** |

**Optional Modules**

Choose exactly 10 credits

If EGA301 Composite Materials was studied in year 3, EG-M73 cannot be selected.

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| **EG-M73** | **Composite Materials** | **Dr FA Korkees** | **TB2** | **10**  |
| **EG-M330** | **Next Generation Sustainable Aircraft Technologies** | **Dr Ben Evans** | **TB2** | **10**  |

And choose exactly 10 credits

If choosing between EG-M23 and EGIM09, students who have taken EG-323 previously must choose EG-M23. Students without past FEA background knowledge are advised to take EGIM09.

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| **EG-M23** | **Finite Element Computational Analysis** | **Prof R Sevilla** | **TB1** | **10**  |
| **EGIM09** | **Finite Element Method** | **Dr W Harrison** | **TB1** | **10**  |
| **EG-M83** | **Simulation Based Product Design** | **Dr AJ Williams/Mr B Morgan** | **TB2** | **10**  |
| **EGEM07** | **Fluid-Structure Interaction** | **Prof WG Dettmer** | **TB2** | **10**  |