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** |