



<http://www.kth.se/studies/programmes/master/programmes/me/aerospace-engineering?l=en> UK

Master's Programme in Aerospace Engineering

School of Engineering Science



Specializations:

- Aeronautics
- Lightweight Structures
- Space
- Systems Engineering

Aeronautical engineering education and research at KTH has strong traditions, and was established in 1919. In order to meet the needs of the world-wide aerospace market, KTH now offers a two-year Master's programme in aerospace engineering. The main objective of the programme is to educate skilled engineers for the European aerospace sector. As an engineer graduated with a Master of Science in Aerospace Engineering from KTH you will possess: good theoretical skills in aerospace modelling, analysis and design, ability to approach and solve complex engineering tasks, experience of project work and teamwork, experience of working in an international environment, and ability to communicate effectively.

For more information about the programme and the courses please visit the website shown above. All courses are taught in English.

Courses:	Credits:	Courses:	Credits:
SD2411 Lightweight Structures and FEM	8.0	SD2611 Aerodynamic Design of Aircraft	9.0
SD2816 Rocket Science	7.5	MJ2241 Jet Propulsion Engines	6.0
SD2601 Fundamentals of Flight	7.5	SG2805 Spacecraft Dynamics	9.0
SF2863 Systems Engineering	7.5	SD2416 Structural Optimisation	6.0
SD2800 Experimental Aerodynamics	6.0	and Sandwich Design	
EL2520 Control Theory and Practice	9.0	SD2415 Process Modelling for Composite	6.0
SG2215 Compressible Flow	7.5	Manufacturing	
SD2414 Fiber Composites	6.0	SD2450 Biomechanics and Neuronics	6.0
SD2413 Fibre Composites –	6.0	EF2240 Space Physics	6.0
Analysis and Design		EF2260 Space Environment and Spacecraft	6.0
SD2810 Aeroelasticity	9.0	Engineering	
SE2129 Fracture Mechanics and Fatigue	9.0	SG2805 Spacecraft Dynamics	9.0
SD2432 Lightweight Design	20.0	EF2200 Plasma Physics	6.0
MJ2246 Rocket Propulsion	6.0	EF2245 Space Physics II	7.5
SD2805 Flight Mechanics	9.0	EL2620 Nonlinear Control	7.5
AH2923 Global Navigation Satellite Systems	7.5	SF2812 Applied Linear Optimization	7.5
SF1841 Optimization	6.0	SF2842 Geometric Control Theory	7.5
SF2852 Optimal Control Theory	7.5	SF2937 Reliability Theory	7.5
EL2450 Hybrid and Embedded Control Systems	7.5		
SF2832 Mathematical Systems Theory	7.5		
SF2822 Applied Nonlinear Optimization	7.5		