

TM MÜNCHEN

| Especialidad | Curso | Código | Asignatura | ECTS |
|--------------|-------|-----------|---|------|
| VA | 3 | 145005107 | Mecánica Aeroespacial | 3 |
| VA | 3 | 145005108 | Diseño Gráfico | 3 |
| VA | 3 | 145005105 | Diseño Mecánico | 4,5 |
| VA | 3 | 145005102 | Introducción Aeroespacial | 4,5 |
| VA | 3 | 145005001 | Fabricación Aeroespacial | 3 |
| VA | 3 | 145005104 | Mecánica de Fluidos II | 6 |
| VA | 3 | 145005101 | Mecánica de Sólidos | 3 |
| VA | 3 | 145005103 | Vibraciones | 3 |
| VA | 3 | 145005103 | Aeroreactores | 4 |
| VA | 3 | 145006101 | Aerodinámica y Aeroelasticidad | 9 |
| VA | 3 | 145006104 | Motores Alternativos Aeroespaciales | 3 |
| VA | 3 | 145006105 | Motores Cohete | 3 |
| VA | 3 | 145006106 | Materiales Compuestos | 3 |
| VA | 3 | 145006102 | Mecánica del Vuelo | 6 |
| VA | 3 | 145006107 | Sistemas de Producción Aeroespacial | 3 |
| VA | 4 | 145007102 | Aerodinámica de Alta Velocidad | 3 |
| VA | 4 | 145007103 | Aerodinámica de Alta Presión | 3 |
| VA | 4 | 145007001 | Gestión de Empresas y Proyectos | 4,5 |
| VA | 4 | 145007107 | Mantenimiento y Certificación de Vehículos Aeroespaciales | 6 |
| VA | 4 | 145007106 | Método de Elementos Finitos y Dinámica de Fluidos Computacional | 4,5 |
| VA | 4 | 145007104 | Moléculas | 3 |
| VA | 4 | 145007105 | Vehículos Espaciales | 3 |

| Especialidad | Curso | Código | Asignatura | ECTS |
|--------------|-------|-----------|---|------|
| PA | 3 | 145005108 | Diseño Gráfico | 3 |
| PA | 3 | 145005202 | Estructuras Aeroespaciales | 4,5 |
| PA | 3 | 145005204 | Mecánica de Fluidos II | 6 |
| PA | 3 | 145005201 | Mecánica de Sólidos | 3 |
| PA | 3 | 145005205 | Nerodinámica Avanzada | 3,75 |
| PA | 3 | 145005206 | Transferencia de Calor y Masa | 3,75 |
| PA | 3 | 145005203 | Vibraciones | 3 |
| PA | 3 | 145006201 | Aerodinámica, Aeroelasticidad y Mecánica del Vuelo | 9 |
| PA | 3 | 145006203 | Aeroreactores | 6 |
| PA | 3 | 145006001 | Fabricación Aeroespacial | 3 |
| PA | 3 | 145006202 | Motores Alternativos Aeroespaciales | 4,5 |
| PA | 3 | 145006204 | Método de Elementos Finitos y Dinámica de Fluidos Computacional | 4,5 |
| PA | 3 | 145006205 | Materiales Espaciales para Sistemas Propulsivos | 3 |
| PA | 4 | 145007204 | Combustible y Lubricantes | 3 |
| PA | 4 | 145007202 | Diseño Mecánico | 4,5 |
| PA | 4 | 145007001 | Gestión de Empresas y Proyectos | 4,5 |
| PA | 4 | 145007201 | Motores Cohete | 3 |
| PA | 4 | 145007205 | Mantenimiento y Certificación de Motores | 7,5 |
| PA | 4 | 145007203 | Sistemas de Motor | 4 |
| PA | 4 | 145007206 | Sistemas de Producción Aeroespacial | 3 |

| Especialidad | Curso | Código | Asignatura | ECTS |
|--------------|-------|-----------|--|------|
| NSA | 3 | 145005307 | Aerospaciales | 6 |
| NSA | 3 | 145005305 | Comunicaciones y Redes | 4,5 |
| NSA | 3 | 145005302 | Instalaciones Eléctricas | 4,5 |
| NSA | 3 | 145005306 | Introducción a la Navegación Aérea | 3 |
| NSA | 3 | 145005301 | Metereología | 3 |
| NSA | 3 | 145005304 | Sistemas de Radiocomunicación | 4,5 |
| NSA | 3 | 145005303 | Tratamiento Digital de la Información | 4,5 |
| NSA | 3 | 145006301 | Aerodinámica y Mecánica del Vuelo | 6 |
| NSA | 3 | 145006001 | Fabricación Aeroespacial | 3 |
| NSA | 3 | 145006302 | Genética y Cartografía | 4,5 |
| NSA | 3 | 145006304 | Desarrollo de Software y Control | 4,5 |
| NSA | 3 | 145006303 | Sistemas de Control Automático | 3 |
| NSA | 3 | 145006302 | Sistemas de Comunicaciones y Vuelo | 4,5 |
| NSA | 3 | 145006305 | Sistemas de Navegación Aérea | 4,5 |
| NSA | 4 | 145007303 | Aviónica | 4,5 |
| NSA | 4 | 145007301 | Gestión de Empresas y Proyectos | 4,5 |
| NSA | 4 | 145007304 | Gestión del Tráfico Aéreo | 4,5 |
| NSA | 4 | 145007306 | Ingeniería de Operación y Gestión de Aeropuertos | 3 |
| NSA | 4 | 145007305 | Ingeniería de Sistemas Aeroespaciales | 3 |
| NSA | 4 | 145008301 | Ingeniería del Transporte Aéreo | 6 |
| NSA | 4 | 145007307 | Propulsión de Aviones | 3 |

| Especialidad | Curso | Código | Asignatura | ECTS |
|--------------|-------|-----------|---|------|
| ATA | 3 | 145005408 | Aerodinámica | 6 |
| ATA | 3 | 145005404 | Estructuras | 3 |
| ATA | 3 | 145005406 | Control | 3 |
| ATA | 3 | 145005403 | Genética y Topografía | 4,5 |
| ATA | 3 | 145005402 | Instalaciones Eléctricas | 4,5 |
| ATA | 3 | 145005407 | Introducción a la Navegación Aérea | 3 |
| ATA | 3 | 145005405 | Materiales de Construcción | 3 |
| ATA | 3 | 145005401 | Metereología | 3 |
| ATA | 3 | 145006401 | Aerodinámica y Mecánica del Vuelo | 6 |
| ATA | 3 | 145006405 | Construcción | 6 |
| ATA | 3 | 145006402 | Estructuras e Instalaciones Urbanas y Avances | 6 |
| ATA | 3 | 145006403 | Estructuras de Avión | 4,5 |
| ATA | 3 | 145006404 | Estructuras de Helicóptero | 4,5 |
| ATA | 3 | 145006001 | Fabricación Aeroespacial | 3 |
| ATA | 4 | 145007406 | Control y Gestión del Tráfico Aéreo | 3 |
| ATA | 4 | 145007001 | Gestión de Empresas y Proyectos | 4,5 |
| ATA | 4 | 145007403 | Instalaciones de Aeropuertos | 4,5 |
| ATA | 4 | 145008401 | Ingeniería del Transporte Aéreo | 6 |
| ATA | 4 | 145007404 | Liquidación y Gestión Aeroespaciales | 3 |
| ATA | 4 | 145007405 | Operación y Mantenimiento Aeroespaciales | 6 |
| ATA | 4 | 145007407 | Propulsión de Aviones | 3 |

| Especialidad | Curso | Código | Asignatura | ECTS |
|--------------|-------|-----------|-------------------------------------|------|
| CTA | 3 | 145005507 | Alaciones Aeroespaciales | 6 |
| CTA | 3 | 145005501 | Ampliación de Matemáticas | 3 |
| CTA | 3 | 145005504 | Diseño Gráfico | 3 |
| CTA | 3 | 145005506 | Estructuras | 6 |
| CTA | 3 | 145005503 | Mecánica Analítica | 3 |
| CTA | 3 | 145005502 | Mecánica de Fluidos II | 6 |
| CTA | 3 | 145005505 | Mecánica de Sólidos | 3 |
| CTA | 3 | 145005501 | Aerodinámica | 6 |
| CTA | 3 | 145005506 | Alaciones Aeroespaciales II | 3 |
| CTA | 3 | 145005502 | Cálculo Numérico | 3 |
| CTA | 3 | 145005504 | Control y Optimización | 6 |
| CTA | 3 | 145006001 | Fabricación Aeroespacial | 3 |
| CTA | 3 | 145005505 | Mecánica Orbital | 3 |
| CTA | 3 | 145005507 | Materiales Compuestos | 3 |
| CTA | 3 | 145005503 | Vibraciones | 3 |
| CTA | 4 | 145007506 | Dinámica de Fluidos Computacional | 3 |
| CTA | 4 | 145007001 | Gestión de Empresas y Proyectos | 4,5 |
| CTA | 4 | 145007504 | Motores Alternativos Aeroespaciales | 3 |
| CTA | 4 | 145007505 | Motores Cohete | 4,5 |
| CTA | 4 | 145007511 | Método de Elementos Finitos | 3 |
| CTA | 4 | 145007502 | Mecánica del Vuelo | 6 |
| CTA | 4 | 145008502 | Vehículos Aeroespaciales | 6 |

| Semestre | Código | Asignatura | Titulación | ECTS | Idioma |
|----------|----------|---|-------------------------------|------|---------------|
| W | MW2433 | General Transmissions - Rolling Contacts and its Tribology | Aerospace Master of Science | 5 | Inglés |
| S | MW2432 | General Transmission - Design and shifting elements | Aerospace Master of Science | 5 | Alemán |
| S | MW0062 | Aerospace Structures | Aerospace Master of Science | 5 | Inglés |
| W | MW2462 | Basics of Additive Manufacturing | Aerospace Bachelor of Science | 5 | Alemán/Inglés |
| S | MW0049 | Joining Technologies | Mechanical Engineering Master | 5 | Alemán |
| W/S | LRG040 | Aerospace Materials Science and Processing | Aerospace Bachelor of Science | 8 | Inglés |
| W | EDI10060 | Process control and design of additive manufacturing systems for plastic components | Aerospace Master of Science | 4 | Alemán |
| S | MW1392 | Production Technologies for Composite Parts | Aerospace Master of Science | 5 | Alemán |
| W | MW1995 | Experimental Vibration Analysis | Aerospace Master of Science | 5 | Inglés |
| W | MW0510 | Flight Propulsions 1 and Gas Turbines | Aerospace Master of Science | 5 | Inglés |
| W | MW0007 | Aerodynamics of Aircraft 1 | Aerospace Master of Science | 5 | Inglés |
| W | MW2228 | Aerostaticity | Aerospace Master of Science | 5 | Inglés |
| S | MW1384 | Internal Combustion Engines for MSPE | Aerospace Master of Science | 5 | Inglés |
| W/S | MW2120 | Spacecraft Propulsions 1 | Aerospace Master of Science | 5 | Alemán/Inglés |
| W | MW1394 | Composite Materials and Structure-Property Relationship | Aerospace Master of Science | 5 | Alemán |
| S | MW0833 | Flight Dynamics, Stability and Control | Aerospace Master of Science | 5 | Inglés |
| W | MW0047 | Aircraft Design | Aerospace Master of Science | 5 | Inglés |
| S | MW2406 | Aircraft Engineering - Systems & Components | Aerospace Master of Science | 5 | Inglés |
| W | MW0004 | Methods of Company Management | Aerospace Master of Science | 5 | Alemán |
| S | MW2407 | Safety and Certification of Aircraft | Aerospace Master of Science | 5 | Inglés |
| W | MW0612 | Finite Elements | Aerospace Master of Science | 5 | Alemán |
| W | MW1628 | Applied CFD | Aerospace Master of Science | 5 | Inglés |
| S | MW2182 | Orbit and Flight Mechanics | Aerospace Master of Science | 5 | Alemán |
| W | MW2132 | Spacecraft Design | Aerospace Master of Science | 5 | Inglés |

| Semestre | Código | Asignatura | Titulación | ECTS | Idioma |
|----------|----------|---|-------------------------------|------|---------------|
| S | MW0063 | Aerospace Structures | Aerospace Master of Science | 5 | Inglés |
| S | LRG2700 | Aerospace Combustion | Aerospace Master of Science | 5 | Inglés |
| S | MW1410 | Heat Transfer | Aerospace Bachelor of Science | 5 | Inglés |
| W | MW0006 | Heat and Mass Transfer | Aerospace Master of Science | 5 | Alemán |
| W | MW1995 | Experimental Vibration Analysis | Aerospace Master of Science | 5 | Inglés |
| W | MW0007 | Aerodynamics of Aircraft 1 | Aerospace Master of Science | 5 | Inglés |
| W/S | MW2228 | Aerostaticity | Aerospace Master of Science | 5 | Inglés |
| S | MW0833 | Flight Dynamics, Stability and Control | Aerospace Master of Science | 5 | Inglés |
| W | MW0510 | Flight Propulsions 1 and Gas Turbines | Aerospace Master of Science | 5 | Inglés |
| W | MW2462 | Basics of Additive Manufacturing | Aerospace Bachelor of Science | 5 | Alemán/Inglés |
| S | MW0049 | Joining Technologies | Mechanical Engineering Master | 5 | Alemán |
| W/S | LRG040 | Aerospace Materials Science and Processing | Aerospace Bachelor of Science | 8 | Inglés |
| W | EDI10060 | Process control and design of additive manufacturing systems for plastic components | Aerospace Master of Science | 4 | Alemán |
| S | MW1392 | Production Technologies for Composite Parts | Aerospace Master of Science | 5 | Alemán |
| W | MW0612 | Finite Elements | Aerospace Master of Science | 5 | Alemán |
| S | MW1628 | Applied CFD | Aerospace Master of Science | 5 | Inglés |
| W | CS0003 | Production of Alternative Fuels | Aerospace Master of Science | 5 | Inglés |
| W | MW2433 | General Transmissions - Rolling Contacts and its Tribology | Aerospace Master of Science | 5 | Alemán |
| S | MW2432 | General Transmission - Design and shifting elements | Aerospace Master of Science | 5 | Alemán |
| W | MW0004 | Methods of Company Management | Aerospace Master of Science | 5 | Alemán |
| W/S | MW2120 | Spacecraft Propulsions 1 | Aerospace Master of Science | 5 | Alemán/Inglés |
| W | MW1182 | Injection Systems for Internal Combustion Engines | Aerospace Bachelor of Science | 3 | Alemán |
| S | MW2314 | Aircraft Systems | Aerospace Master of Science | 3 | Inglés |

| Semestre | Código | Asignatura | Titulación | ECTS | Idioma |
|----------|----------|---|-------------------------------|------|---------------|
| W | W2008 | Meteorology, Climatology and Climate change | Aerospace Master of Science | 5 | Alemán |
| W | B7361 | Satellite Signals and Systems | Aerospace Master of Science | 5 | Inglés |
| W | MW0007 | Aerodynamics of Aircraft 1 | Aerospace Master of Science | 5 | Inglés |
| S | MW0833 | Flight Dynamics, Stability and Control | Aerospace Master of Science | 5 | Inglés |
| W | MW2462 | Basics of Additive Manufacturing | Aerospace Bachelor of Science | 5 | Alemán/Inglés |
| S | MW0049 | Joining Technologies | Mechanical Engineering Master | 5 | Alemán |
| W/S | LRG040 | Aerospace Materials Science and Processing | Aerospace Bachelor of Science | 8 | Inglés |
| W | EDI10060 | Process control and design of additive manufacturing systems for plastic components | Aerospace Master of Science | 4 | Alemán |
| S | MW1392 | Production Technologies for Composite Parts | Aerospace Master of Science | 5 | Alemán |
| S | E17391 | Networked Control Systems | Aerospace Master of Science | 5 | Inglés |
| W | E10432 | Satellite Navigation | Aerospace Master of Science | 6 | Inglés |
| W | MW0004 | Methods of Company Management | Aerospace Master of Science | 5 | Alemán |
| W | MW0510 | Flight Propulsions 1 and Gas Turbines | Aerospace Master of Science | 5 | Inglés |

| Semestre | Código | Asignatura | Titulación | ECTS | Idioma |
|----------|----------|---|-------------------------------|------|---------------|
| W | MW2462 | Basics of Additive Manufacturing | Aerospace Bachelor of Science | 5 | Alemán/Inglés |
| S | MW0049 | Joining Technologies | Mechanical Engineering Master | 5 | Alemán |
| W/S | LRG040 | Aerospace Materials Science and Processing | Aerospace Bachelor of Science | 8 | Inglés |
| W | EDI10060 | Process control and design of additive manufacturing systems for plastic components | Aerospace Master of Science | 4 | Alemán |
| S | MW1392 | Production Technologies for Composite Parts | Aerospace Master of Science | 5 | Alemán |
| W | MW0007 | Aerodynamics of Aircraft 1 | Aerospace Master of Science | 5 | Inglés |
| S | MW0833 | Flight Dynamics, Stability and Control | Aerospace Master of Science | 5 | Inglés |
| W | MW2462 | Basics of Additive Manufacturing | Aerospace Bachelor of Science | 5 | Alemán/Inglés |
| S | MW0049 | Joining Technologies | Mechanical Engineering Master | 5 | Alemán |
| W/S | LRG040 | Aerospace Materials Science and Processing | Aerospace Bachelor of Science | 8 | Inglés |
| W | EDI10060 | Process control and design of additive manufacturing systems for plastic components | Aerospace Master of Science | 4 | Alemán |
| S | MW1392 | Production Technologies for Composite Parts | Aerospace Master of Science | 5 | Alemán |
| W | MW0004 | Methods of Company Management | Aerospace Master of Science | 5 | Alemán |
| W | MW0510 | Flight Propulsions 1 and Gas Turbines | Aerospace Master of Science | 5 | Inglés |

| Semestre | Código | Asignatura | Titulación | ECTS | Idioma |
|---------------|----------|---|---------------------------------|------|---------------|
| S | MA3205 | Partial Differential Equations | Mathematics Master of Science | 9 | Inglés |
| Irregularment | MA5039 | Fourier and Laplace Transforms | Mathematics Master of Science | 9 | Inglés |
| S | MA3303 | Numerical Methods for Partial Differential Equations | Mathematics Master of Science | 9 | Inglés |
| S | MW0063 | Aerospace Structures | Aerospace Master of Science | 5 | Inglés |
| W | MW0007 | Aerodynamics of Aircraft 1 | Aerospace Master of Science | 5 | Inglés |
| W/S | MW2133 | Numerical Thermo-Fluids - From Differential Equations to Deep Learning | Aerospace Master of Science | 4 | Inglés |
| W | MA4803 | Modeling and Simulation with Ordinary Differential Equations (MSE) | Aerospace Bachelor of Science | 5 | Alemán |
| W | EDI10060 | Process control and design of additive manufacturing systems for plastic components | Aerospace Master of Science | 4 | Alemán |
| S | MW0049 | Joining Technologies | Mechanical Engineering Master | 5 | Alemán |
| W | LRG040 | Aerospace Materials Science and Processing | Aerospace Bachelor of Science | 8 | Inglés |
| W | MW2462 | Basics of Additive Manufacturing | Aerospace Bachelor of Science | 5 | Alemán/Inglés |
| S | MW1392 | Production Technologies for Composite Parts | Aerospace Master of Science | 5 | Alemán |
| S | MW2182 | Orbit and Flight Mechanics | Aerospace Master of Science | 5 | Alemán |
| W | MW1394 | Composite Materials and Structure-Property Relationship | Aerospace Master of Science | 5 | Alemán |
| W | MW1995 | Experimental Vibration Analysis | Aerospace Master of Science | 5 | Inglés |
| W/S | MW2228 | Aerostaticity | Aerospace Master of Science | 5 | Inglés |
| W | MW0510 | Flight Propulsions 1 and Gas Turbines | Aerospace Master of Science | 5 | Inglés |
| W/S | MW1813 | Fundamentals of Numerical Fluid Mechanics | Mechanical Engineering Bachelor | 5 | Alemán |
| S | MW1628 | Applied CFD | Aerospace Master of Science | 5 | Inglés |
| W | MW0004 | Methods of Company Management | Aerospace Master of Science | 5 | Alemán |
| S | MW1384 | Internal Combustion Engines for MSPE | Aerospace Master of Science | 5 | Inglés |
| W/S | MW2120 | Spacecraft Propulsions 1 | Aerospace Master of Science | 5 | Alemán/Inglés |
| W | MW0612 | Finite Elements | Aerospace Master of Science | 5 | Alemán |
| S | MW0833 | Flight Dynamics, Stability and Control | Aerospace Master of Science | 5 | Inglés |
| S | MW2182 | Orbit and Flight Mechanics | Aerospace Master of Science | 5 | Alemán |
| S | MW2132 | Spacecraft Design | Aerospace Master of Science | 5 | Inglés |
| S | MW2406 | Aircraft Engineering - Systems & Components | Aerospace Master of Science | 5 | Inglés |
| W | MW0047 | Aircraft Design | Aerospace Master of Science | 5 | Inglés |