

# HAW HAMBURG

| Especialidad | Curso | Código   | Asignatura  | ECTS | Guía docente        |
|--------------|-------|----------|---|------|---------------------|
| VA           | 3     | 14500107 | Aleaciones Aeroespaciales                                       | 3    | <a href="#">Ver</a> |
| VA           | 3     | 14500108 | Diseño Gráfico  | 3    | <a href="#">Ver</a> |
| VA           | 3     | 14500109 | Diseño Mecánico   | 4,5  | <a href="#">Ver</a> |
| VA           | 3     | 14500110 | Estructuras Aeroespaciales                                      | 4,5  | <a href="#">Ver</a> |
| VA           | 3     | 14500001 | Fabricación Aeroespacial  | 3    | <a href="#">Ver</a> |
| VA           | 3     | 14500104 | Mecánica de Fluidos II  | 6    | <a href="#">Ver</a> |
| VA           | 3     | 14500101 | Mecánica de Sólidos   | 3    | <a href="#">Ver</a> |
| VA           | 3     | 14500103 | Vibraciones   | 3    | <a href="#">Ver</a> |
| VA           | 3     | 14500101 | Aerorreactores  | 4    | <a href="#">Ver</a> |
| VA           | 3     | 14500101 | Aerodinámica y Aeroelasticidad                                  | 9    | <a href="#">Ver</a> |
| VA           | 3     | 14500104 | Motores Alternativos Aeroespaciales                             | 2    | <a href="#">Ver</a> |
| VA           | 3     | 14500105 | Motores Cohete  | 3    | <a href="#">Ver</a> |
| VA           | 3     | 14500106 | Materiales Compuestos   | 3    | <a href="#">Ver</a> |
| VA           | 3     | 14500102 | Mecánica del Vuelo  | 6    | <a href="#">Ver</a> |
| VA           | 3     | 14500107 | Sistemas de Producción Aeroespacial                             | 3    | <a href="#">Ver</a> |
| VA           | 4     | 14500701 | Aeronaves de Ala Fija   | 6    | <a href="#">Ver</a> |
| VA           | 4     | 14500703 | Aeronaves de Ala Rotatoria                                      | 3    | <a href="#">Ver</a> |
| VA           | 4     | 14500701 | Gestión de Empresas y Proyectos                                 | 4,5  | <a href="#">Ver</a> |
| VA           | 4     | 14500702 | Mantenimiento y Certificación de Vehículos Aeroespaciales       | 6    | <a href="#">Ver</a> |
| VA           | 4     | 14500706 | Método de Elementos Finitos y Dinámica de Fluidos Computacional | 4,5  | <a href="#">Ver</a> |
| VA           | 4     | 14500704 | Módulos   | 3    | <a href="#">Ver</a> |
| VA           | 4     | 14500705 | Vehículos Espaciales  | 3    | <a href="#">Ver</a> |

| Especialidad | Curso | Código   | Asignatura  | ECTS | Guía docente        |
|--------------|-------|----------|---|------|---------------------|
| PA           | 3     | 14500208 | Aleaciones Aeroespaciales                                       | 3    | <a href="#">Ver</a> |
| PA           | 3     | 14500207 | Diseño Gráfico  | 3    | <a href="#">Ver</a> |
| PA           | 3     | 14500203 | Estructuras Aeroespaciales                                      | 4,5  | <a href="#">Ver</a> |
| PA           | 3     | 14500204 | Mecánica de Fluidos II  | 6    | <a href="#">Ver</a> |
| PA           | 3     | 14500201 | Mecánica de Sólidos   | 3    | <a href="#">Ver</a> |
| PA           | 3     | 14500205 | Termodinámica Aplicada  | 3,75 | <a href="#">Ver</a> |
| PA           | 3     | 14500206 | Transporte de Calor y Masa                                      | 3,75 | <a href="#">Ver</a> |
| PA           | 3     | 14500201 | Vibraciones   | 3    | <a href="#">Ver</a> |
| PA           | 3     | 14500201 | Aerodinámica, Aeroelasticidad y Mecánica del Vuelo              | 9    | <a href="#">Ver</a> |
| PA           | 3     | 14500201 | Aerorreactores  | 6    | <a href="#">Ver</a> |
| PA           | 3     | 14500601 | Fabricación Aeroespacial  | 3    | <a href="#">Ver</a> |
| PA           | 3     | 14500602 | Motores Alternativos Aeroespaciales                             | 4,5  | <a href="#">Ver</a> |
| PA           | 3     | 14500604 | Método de Elementos Finitos y Dinámica de Fluidos Computacional | 4,5  | <a href="#">Ver</a> |
| PA           | 3     | 14500605 | Materiales Estructurales para Sistemas Propulsivos              | 3    | <a href="#">Ver</a> |
| PA           | 4     | 14500704 | Combustibles y Lubricantes                                      | 2    | <a href="#">Ver</a> |
| PA           | 4     | 14500702 | Diseño Mecánico   | 4,5  | <a href="#">Ver</a> |
| PA           | 4     | 14500701 | Gestión de Empresas y Proyectos                                 | 4,5  | <a href="#">Ver</a> |
| PA           | 4     | 14500703 | Motores Cohete  | 4,5  | <a href="#">Ver</a> |
| PA           | 4     | 14500705 | Mantenimiento y Certificación de Motores                        | 7,5  | <a href="#">Ver</a> |
| PA           | 4     | 14500701 | Sistemas de Motor   | 4    | <a href="#">Ver</a> |
| PA           | 4     | 14500706 | Sistemas de Producción Aeroespacial                             | 3    | <a href="#">Ver</a> |

| Especialidad | Curso | Código   | Asignatura                                       | ECTS | Guía docente        |
|--------------|-------|----------|--|------|---------------------|
| NSA          | 3     | 14500307 | Aeropuertos                                      | 6    | <a href="#">Ver</a> |
| NSA          | 3     | 14500305 | Comunicaciones y Redes                           | 4,5  | <a href="#">Ver</a> |
| NSA          | 3     | 14500302 | Instalaciones Eléctricas                         | 4,5  | <a href="#">Ver</a> |
| NSA          | 3     | 14500306 | Introducción a la Navegación Aérea               | 3    | <a href="#">Ver</a> |
| NSA          | 3     | 14500301 | Meteorología                                     | 3    | <a href="#">Ver</a> |
| NSA          | 3     | 14500304 | Sistemas de Radiofrecuencia                      | 4,5  | <a href="#">Ver</a> |
| NSA          | 3     | 14500303 | Tratamiento Digital de la Información            | 4,5  | <a href="#">Ver</a> |
| NSA          | 3     | 14500601 | Aerodinámica y Mecánica del Vuelo                | 6    | <a href="#">Ver</a> |
| NSA          | 3     | 14500601 | Fabricación Aeroespacial                         | 3    | <a href="#">Ver</a> |
| NSA          | 3     | 14500602 | Geodesia y Cartografía                           | 4,5  | <a href="#">Ver</a> |
| NSA          | 3     | 14500604 | Posicionamiento, Control y Control               | 4,5  | <a href="#">Ver</a> |
| NSA          | 3     | 14500603 | Sistemas de Control Automático                   | 3    | <a href="#">Ver</a> |
| NSA          | 3     | 14500606 | Sistemas de Comunicaciones y Vigilancia          | 4,5  | <a href="#">Ver</a> |
| NSA          | 3     | 14500605 | Sistemas de Navegación Aérea                     | 4,5  | <a href="#">Ver</a> |
| NSA          | 4     | 14500701 | Aeronaves  | 4,5  | <a href="#">Ver</a> |
| NSA          | 4     | 14500703 | Gestión de Empresas y Proyectos                  | 4,5  | <a href="#">Ver</a> |
| NSA          | 4     | 14500704 | Gestión del Tráfico Aéreo                        | 6    | <a href="#">Ver</a> |
| NSA          | 4     | 14500706 | Ingeniería de Operación y Gestión de Aeropuertos | 3    | <a href="#">Ver</a> |
| NSA          | 4     | 14500705 | Ingeniería de Sistemas Aeroespaciales            | 3    | <a href="#">Ver</a> |
| NSA          | 4     | 14500801 | Ingeniería del Transporte Aéreo                  | 6    | <a href="#">Ver</a> |
| NSA          | 4     | 14500702 | Propulsión de Aeronaves                          | 3    | <a href="#">Ver</a> |

| Especialidad | Curso | Código   | Asignatura  | ECTS | Guía docente        |
|--------------|-------|----------|---|------|---------------------|
| ATA          | 3     | 14500401 | Aerodinámica                                      | 6    | <a href="#">Ver</a> |
| ATA          | 3     | 14500404 | Estructuras                                       | 3    | <a href="#">Ver</a> |
| ATA          | 3     | 14500406 | Geodesia  | 3    | <a href="#">Ver</a> |
| ATA          | 3     | 14500403 | Geodesia y Topografía                             | 4,5  | <a href="#">Ver</a> |
| ATA          | 3     | 14500402 | Instalaciones Eléctricas                          | 3    | <a href="#">Ver</a> |
| ATA          | 3     | 14500407 | Introducción a la Navegación Aérea                | 3    | <a href="#">Ver</a> |
| ATA          | 3     | 14500405 | Materiales de Construcción                        | 3    | <a href="#">Ver</a> |
| ATA          | 3     | 14500403 | Meteorología                                      | 3    | <a href="#">Ver</a> |
| ATA          | 3     | 14500401 | Aerodinámica y Mecánica del Vuelo                 | 6    | <a href="#">Ver</a> |
| ATA          | 3     | 14500401 | Construcción                                      | 6    | <a href="#">Ver</a> |
| ATA          | 3     | 14500402 | Edificios e Instalaciones, Urbanización y Accesos | 6    | <a href="#">Ver</a> |
| ATA          | 3     | 14500403 | Estructuras de Aluminio                           | 4,5  | <a href="#">Ver</a> |
| ATA          | 3     | 14500404 | Estructuras de Homogéneo                          | 4,5  | <a href="#">Ver</a> |
| ATA          | 3     | 14500601 | Fabricación Aeroespacial                          | 3    | <a href="#">Ver</a> |
| ATA          | 4     | 14500706 | Control y Gestión del Tráfico Aéreo               | 3    | <a href="#">Ver</a> |
| ATA          | 4     | 14500701 | Gestión de Empresas y Proyectos                   | 4,5  | <a href="#">Ver</a> |
| ATA          | 4     | 14500703 | Instalaciones de Aeropuertos                      | 6    | <a href="#">Ver</a> |
| ATA          | 4     | 14500801 | Ingeniería del Transporte Aéreo                   | 6    | <a href="#">Ver</a> |
| ATA          | 4     | 14500704 | Liquidación y Gestión Aeroportuarias              | 3    | <a href="#">Ver</a> |
| ATA          | 4     | 14500705 | Operación y Mantenimiento Aeroportuarios          | 6    | <a href="#">Ver</a> |
| ATA          | 4     | 14500707 | Propulsión de Aeronaves                           | 3    | <a href="#">Ver</a> |

| Especialidad | Curso | Código   | Asignatura                          | ECTS | Guía docente        |
|--------------|-------|----------|-------------------------------------|------|---------------------|
| CTA          | 3     | 14500507 | Aleaciones Aeroespaciales           | 3    | <a href="#">Ver</a> |
| CTA          | 3     | 14500501 | Ampliación de Matemáticas           | 6    | <a href="#">Ver</a> |
| CTA          | 3     | 14500504 | Diseño Gráfico                      | 3    | <a href="#">Ver</a> |
| CTA          | 3     | 14500506 | Estructuras                         | 6    | <a href="#">Ver</a> |
| CTA          | 3     | 14500503 | Mecánica Analítica                  | 3    | <a href="#">Ver</a> |
| CTA          | 3     | 14500502 | Mecánica de Fluidos II              | 6    | <a href="#">Ver</a> |
| CTA          | 3     | 14500505 | Mecánica de Sólidos                 | 3    | <a href="#">Ver</a> |
| CTA          | 3     | 14500501 | Aerodinámica                        | 6    | <a href="#">Ver</a> |
| CTA          | 3     | 14500506 | Aleaciones Aeroespaciales II        | 3    | <a href="#">Ver</a> |
| CTA          | 3     | 14500503 | Cálculo Numérico                    | 3    | <a href="#">Ver</a> |
| CTA          | 3     | 14500604 | Control y Optimización              | 6    | <a href="#">Ver</a> |
| CTA          | 3     | 14500601 | Fabricación Aeroespacial            | 3    | <a href="#">Ver</a> |
| CTA          | 3     | 14500605 | Mecánica Orbital                    | 3    | <a href="#">Ver</a> |
| CTA          | 3     | 14500607 | Materiales Compuestos               | 3    | <a href="#">Ver</a> |
| CTA          | 3     | 14500603 | Vibraciones                         | 3    | <a href="#">Ver</a> |
| CTA          | 4     | 14500706 | Aeroelasticidad                     | 3    | <a href="#">Ver</a> |
| CTA          | 4     | 14500703 | Aerorreactores                      | 6    | <a href="#">Ver</a> |
| CTA          | 4     | 14500712 | Dinámica de Fluidos Computacional   | 3    | <a href="#">Ver</a> |
| CTA          | 4     | 14500701 | Gestión de Empresas y Proyectos     | 4,5  | <a href="#">Ver</a> |
| CTA          | 4     | 14500704 | Motores Alternativos Aeroespaciales | 3    | <a href="#">Ver</a> |
| CTA          | 4     | 14500705 | Motores Cohete                      | 4,5  | <a href="#">Ver</a> |
| CTA          | 4     | 14500711 | Método de Elementos Finitos         | 3    | <a href="#">Ver</a> |
| CTA          | 4     | 14500702 | Mecánica del Vuelo                  | 6    | <a href="#">Ver</a> |
| CTA          | 4     | 14500802 | Vehículos Aeroespaciales            | 6    | <a href="#">Ver</a> |

| Semestre | Código | Asignatura                             | Titulación                             | ECTS | Idioma  | Guía docente        |
|----------|--------|--|--|------|---------|---------------------|
| 3 y 4    | MD997  | Advanced Mechanical Engineering Design | Bachelor of Mechanical Engineering     | 6    | DE      | <a href="#">Ver</a> |
| 2        | M1156  | Systems Engineering                    | Master of Aircraft Systems Engineering | 6    | DE      | <a href="#">Ver</a> |
| 4        | MO800  | Fluid Dynamics                         | Bachelor of Mechanical Engineering     | 6    | DE / EN | <a href="#">Ver</a> |
| -        | LO908  | Turbo Jet Engines                      | Master of Aircraft Systems Engineering | 3    | DE      | <a href="#">Ver</a> |
| 2        | M1343  | Fibre-Polymer Composites               | Master of Aircraft Systems Engineering | 6    | EN      | <a href="#">Ver</a> |
| 1 y 2    | MD771  | Flight Physics                         | Master of Aircraft Systems Engineering | 6    | DE      | <a href="#">Ver</a> |
| 3        | M1399  | System Development Project             | Master of Aircraft Systems Engineering | 12   | DE      | <a href="#">Ver</a> |
| 1 y 2    | MO817  | Aircraft Design                        | Master of Aircraft Systems Engineering | 6    | DE / EN | <a href="#">Ver</a> |
| 1 y 3    | MO523  | Business & Management                  | Master of Aircraft Systems Engineering | 6    | DE / EN | <a href="#">Ver</a> |
| 3        | MO808  | Finite Elements Methods                | Master of Aircraft Systems Engineering | 6    | EN      | <a href="#">Ver</a> |
| 5        | MO655  | Computational Fluid Dynamics I         | Bachelor of Mechanical Engineering     | 6    | DE      | <a href="#">Ver</a> |

| Semestre | Código | Asignatura                             | Titulación                             | ECTS | Idioma  | Guía docente        |
|----------|--------|--|--|------|---------|---------------------|
| 4        | MO800  | Fluid Dynamics                         | Bachelor of Mechanical Engineering     | 6    | DE / EN | <a href="#">Ver</a> |
| 5        | MO684  | Heat Transfer                          | Bachelor of Mechanical Engineering     | 6    | DE      | <a href="#">Ver</a> |
| -        | LO908  | Turbo Jet Engines                      | Master of Aircraft Systems Engineering | 3    | DE      | <a href="#">Ver</a> |
| 2        | M1156  | Systems Engineering                    | Master of Aircraft Systems Engineering | 6    | DE      | <a href="#">Ver</a> |
| 3        | MO808  | Finite Elements Methods                | Master of Aircraft Systems Engineering | 6    | EN      | <a href="#">Ver</a> |
| 5        | MO655  | Computational Fluid Dynamics I         | Bachelor of Mechanical Engineering     | 6    | DE      | <a href="#">Ver</a> |
| 3 y 4    | MD997  | Advanced Mechanical Engineering Design | Bachelor of Mechanical Engineering     | 6    | DE      | <a href="#">Ver</a> |
| 3 y 3    | MO523  | Business & Management                  | Master of Aircraft Systems Engineering | 6    | DE / EN | <a href="#">Ver</a> |
| 2        | M0764  | Flight Control Systems                 | Master of Aircraft Systems Engineering | 6    | DE      | <a href="#">Ver</a> |
| 3        | M1399  | System Development Project             | Master of Aircraft Systems Engineering | 12   | DE      | <a href="#">Ver</a> |

| Semestre | Código | Asignatura                           | Titulación                             | ECTS | Idioma  | Guía docente        |
|----------|--------|--------------------------------------|--|------|---------|---------------------|
| 1        | MO806  | Communication Networks               | Master of Aircraft Systems Engineering | 6    | EN      | <a href="#">Ver</a> |
| 1 y 2    | MD771  | Flight Physics                       | Master of Aircraft Systems Engineering | 6    | DE      | <a href="#">Ver</a> |
| 2        | M1156  | Systems Engineering                  | Master of Aircraft Systems Engineering | 6    | DE      | <a href="#">Ver</a> |
| 3 y 4    | M1091  | Flight Guidance and Control          | Master of Aircraft Systems Engineering | 6    | DE      | <a href="#">Ver</a> |
| 1        | M1213  | Avionics for Safety-critical Systems | Master of Aircraft Systems Engineering | 6    | DE / EN | <a href="#">Ver</a> |
| 1 y 3    | MO523  | Business & Management                | Master of Aircraft Systems Engineering | 6    | DE / EN | <a href="#">Ver</a> |
| 1        | M1032  | Airport Planning and Operations      | Master of Aircraft Systems Engineering | 6    | DE      | <a href="#">Ver</a> |
| -        | LO908  | Turbo Jet Engines                    | Master of Aircraft Systems Engineering | 3    | DE      | <a href="#">Ver</a> |

| Semestre | Código | Asignatura                       | Titulación                                      | ECTS | Idioma  | Guía docente        |
|----------|--------|----------------------------------|---|------|---------|---------------------|
| 3        | MD706  | Geotechnics I                    | Bachelor of Civil and Environmental Engineering | 6    | DE      | <a href="#">Ver</a> |
| 1 y 2    | MD711  | Flight Physics                   | Master of Aircraft Systems Engineering          | 6    | DE      | <a href="#">Ver</a> |
| 5        | MO611  | Steel Structures I               | Bachelor of Civil and Environmental Engineering | 6    | DE      | <a href="#">Ver</a> |
| 4        | MO613  | Reinforced Concrete Structures I | Bachelor of Civil and Environmental Engineering | 6    | DE      | <a href="#">Ver</a> |
| 2        | M1156  | Systems Engineering              | Master of Aircraft Systems Engineering          | 6    | DE      | <a href="#">Ver</a> |
| 1 y 3    | MO523  | Business & Management            | Master of Aircraft Systems Engineering          | 6    | DE / EN | <a href="#">Ver</a> |
| 1        | M1032  | Airport Planning and Operations  | Master of Aircraft Systems Engineering          | 6    | DE      | <a href="#">Ver</a> |
| -        | LO908  | Turbo Jet Engines                | Master of Aircraft Systems Engineering          | 3    | DE      | <a href="#">Ver</a> |

| Curso | Código | Asignatura   | Titulación                                      | ECTS | Idioma  | Guía docente        |
|-------|--------|--|---|------|---------|---------------------|
| 2     | MD711  | Numerical Mathematics II                               | Master of Computational Science and Engineering | 6    | DE / EN | <a href="#">Ver</a> |
| 4     | MO800  | Fluid Dynamics   | Bachelor of Mechanical Engineering              | 6    | DE / EN | <a href="#">Ver</a> |
| 1 y 2 | MD771  | Flight Physics   | Master of Aircraft Systems Engineering          | 6    | DE      | <a href="#">Ver</a> |
| 2     | MD714  | Numerical Treatment of Ordinary Differential Equations | Master of Aircraft Systems Engineering          | 6    | DE / EN | <a href="#">Ver</a> |
| 1     | MO846  | Control Systems Theory and Design                      | Master of Aircraft Systems Engineering          | 6    | EN      | <a href="#">Ver</a> |
| 2     | M1156  | Systems Engineering                                    | Master of Aircraft Systems Engineering          | 6    | DE      | <a href="#">Ver</a> |
| 2     | M1343  | Fibre-Polymer Composites                               | Master of Aircraft Systems Engineering          | 6    | EN      | <a href="#">Ver</a> |
| -     | LO908  | Turbo Jet Engines                                      | Master of Aircraft Systems Engineering          | 3    | DE      | <a href="#">Ver</a> |
| 5     | MO655  | Computational Fluid Dynamics I                         | Bachelor of Mechanical Engineering              | 6    | DE      | <a href="#">Ver</a> |
| 1 y 3 | MO523  | Business & Management                                  | Master of Aircraft Systems Engineering          | 6    | DE / EN | <a href="#">Ver</a> |
| 3     | MO808  | Finite Elements Methods                                | Master of Aircraft Systems Engineering          | 6    | EN      | <a href="#">Ver</a> |
| 1 y 2 | MD771  | Flight Physics   | Master of Aircraft Systems Engineering          | 6    | DE      | <a href="#">Ver</a> |