

Intensificación	Curso	Codigo	Asignatura	ECTS
Aeronaves	2	143003011	Aerodinamica Aplicada y no Estacionaria	6
Aeronaves	2	143003012	GNC y Optimizacion de Trayectorias de Misiles	4,5
Aeronaves	2	143003013	Helicopteros	6
Aeronaves	2	143003014	Sistemas Aereos no Tripulados	4,5
Aeronaves	2	143003015	Sistemas de Control de Vuelo	4,5
Aeronaves	2	143003016	Sistemas Eolicos Terrestres y Oceanicos	4,5

Intensificación	Curso	Codigo	Asignatura	ECTS
Vehiculos	2	143003021	Aerodinamica Hipersonica	4,5
Vehiculos	2	143003022	Astrodinamica y Dinamica de Actitud	6
Vehiculos	2	143003023	Control Termico Espacial	4,5
Vehiculos	2	143003024	El Entorno Espacial	4,5
Vehiculos	2	143003025	Ingenieria de Sistemas y Diseño Preliminar de Vehiculos Espaciales	6
Vehiculos	2	143003026	Segmentos de Tierra y Lanzamiento	4,5

Intensificación	Curso	Codigo	Asignatura	ECTS
Propulsion	2	143003031	Combustion	3
Propulsion	2	143003032	Contaminacion de Sistemas Propulsivos	4,5
Propulsion	2	143003033	Fundamentos Fisicos de los Motores Cohete por Aceleracion de Plasma	3
Propulsion	2	143003034	Metodologias de Diseño Avanzado	4,5
Propulsion	2	143003035	Plantas de Potencia Alternativas para Propulsion Aerea	3
Propulsion	2	143003036	Propulsion Espacial	4,5
Propulsion	2	143003037	Tecnicas Experimentales de Mecanica de Fluidos	3
Propulsion	2	143003038	Turbomaquinas	4,5

Intensificación	Curso	Codigo	Asignatura	ECTS
SA y TA	2	143003041	Desarrollo del Concepto Operacional en Gestion del Trafico Aereo	5
SA y TA	2	143003042	Explotacion de Infraestructuras Aeronauticas	5
SA y TA	2	143003043	Factores Humanos y Automatizacion en Gestion del Trafico Aereo	4,5
SA y TA	2	143003044	Gestion en Seguridad Operacional	4,5
SA y TA	2	143003045	Impacto Ambiental del Transporte Aereo	3
SA y TA	2	143003046	Planificacion de Flotas de Companias Aereas	3
SA y TA	2	143003047	Sistemas de Control en Tiempo Discreto	5

Intensificación	Curso	Codigo	Asignatura	ECTS
PA	4	145007204	Combustibles y Lubricantes	2
PA	4	145007202	Diseño Mecánico	4,5
PA	4	145007001	Gestión de Empresas y Proyectos	4,5
PA	4	145007201	Motores Cohete	4,5
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

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Curso	Codigo	Asignatura	Titulacion	ECTS	Idioma
2	4011018	Computational Fluid Dynamics II	Aeronautical Engineering and Astronautics M.Sc.	3	DE
2	4017421	Additive Manufacturing	Aeronautical Engineering and Astronautics M.Sc.	6	DE
2	4013393	Wind Energy	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	4011689	FEM for Dynamic and Non-linear Structural Problems	Aeronautical Engineering and Astronautics M.Sc.	3	DE
2	4012306	Advanced Control	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	4011490	Vehicle and Wind Turbine Aerodynamics	Aeronautical Engineering and Astronautics M.Sc.	5	DE

Curso	Codigo	Asignatura	Titulacion	ECTS	Idioma
2	4011714	Hypersonic Aerodynamics	Aeronautical Engineering and Astronautics M.Sc.	3	DE
2	4011701	Space Flight Dynamics I	Aeronautical Engineering and Astronautics M.Sc.	4	DE
2	4014418	Aerothermal Design of Space Transportation Systems	Aeronautical Engineering and Astronautics M.Sc.	4	DE
2	4011703	Space Propulsion I	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	4013371	Spacecraft Design I	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	4011710	Spacecraft Design II	Aeronautical Engineering and Astronautics M.Sc.	4	DE

Curso	Codigo	Asignatura	Titulacion	ECTS	Idioma
2	4011552	Software for Combustion Engines	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	4014418	Aerothermal Design of Space Transportation Systems	Aeronautical Engineering and Astronautics M.Sc.	4	DE
2	4014444	Structural Design of Spacecraft	Aeronautical Engineering and Astronautics M.Sc.	4	DE
2	4011712	Space Propulsion II	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	4011608	Aircraft Propulsion II	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	4014419	Flow in Turbomachines Lab.	Aeronautical Engineering and Astronautics M.Sc.	2	DE
2	4014354	Fundamentals of Turbomachines	Aeronautical Engineering and Astronautics M.Sc.	4	DE

Curso	Codigo	Asignatura	Titulacion	ECTS	Idioma
2	4011704	Flight Guidance	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	3017435	Airport Management I	Aeronautical Engineering and Astronautics M.Sc.	4	DE
2	6010489	Human Factors Engineering in Robotics, Aviation, Traffic and Process Control	Aeronautical Engineering and Astronautics M.Sc.	4	DE
2	4011706	Aircraft and Spacecraft Systems	Aeronautical Engineering and Astronautics M.Sc.	6	DE
2	4017424	Aircraft Noise II	Aeronautical Engineering and Astronautics M.Sc.	3	DE
2	3017435	Airport Management I ??	Aeronautical Engineering and Astronautics M.Sc.	4	DE
2	4011707	Flight Control	Aeronautical Engineering and Astronautics M.Sc.	5	DE

Curso	Codigo	Asignatura	Titulacion	ECTS	Idioma
2	4012285	Fundamentals and Technology of Fuel Cells		5	DE
2	4012285	Machine Design Process		6	DE
2	8014854	Foundations of Entrepreneurship		5	DE
2	4011703	Space Propulsion I	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	4011712	Space Propulsion II	Aeronautical Engineering and Astronautics M.Sc.	5	DE
2	4011453	Quality Management		6	EN
2	4011706	Aircraft and Spacecraft Systems	Aeronautical Engineering and Astronautics M.Sc.	6	DE
2	4026065	Process Analysis in Manufacturing Technology	Smart Production Engineering M.	5	EN

- ENLACE 1 [https://online.rwth-aachen.de/RWTHonline/pl/ui/\\$ctx;design=ca2;header=max;lang=de/wbModhbReport.downloadPublicMHBVersion?pOrgNr=1&pStpStpNr=466&pDocNr=11634208](https://online.rwth-aachen.de/RWTHonline/pl/ui/$ctx;design=ca2;header=max;lang=de/wbModhbReport.downloadPublicMHBVersion?pOrgNr=1&pStpStpNr=466&pDocNr=11634208)
- ENLACE 2 [https://online.rwth-aachen.de/RWTHonline/ee/ui/ca2/app/desktop/#/pl/ui/\\$ctx/wbModhbReport.downloadPublicMHBVersion?ctx=design=ca2;header=max;lang=de&pOrgNr=1&pStpStpNr=466](https://online.rwth-aachen.de/RWTHonline/ee/ui/ca2/app/desktop/#/pl/ui/$ctx/wbModhbReport.downloadPublicMHBVersion?ctx=design=ca2;header=max;lang=de&pOrgNr=1&pStpStpNr=466)
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