

Munich University of Applied Sciences

Please note all students must submit major/support substitution petitions to receive transfer credit

PARTNER SCHOOL COURSES	AERO	BMED	CE	ENVE	CPE	EE	GENE	IE	MATE	ME	SE	CAL POLY EQUIVALENT
Artificial Intelligence			X		X							Tech Elective, CPE Tech Elect or CPE 480*
Simulation Practice with MATLAB/SIMULINK	X				X	X		X		X		Tech Elective
Embedded Systems					X	X				X		CPE Tech Elect or CPE 329*, Tech Elective
Fluid Mechanics		X	X		X			X				ME 341
Thermodynamics		X	X				X	X		X		ME 302
Material Science/Quality Control & Sustainable Product Engr	X		X		X			X		X		MATE 210
3-D Printing and Design		X			X					X		Technical Elective
Solar & Wind Power					X					X		Tech Elect
Advanced Analog Circuit Design					X	X				X		EE 308/348, EE 321/361, Tech elective
Electronics						X		X		X		EE 321
Power Electronics						X		X		X		EE 321/361
Microcomputer						X				X		EE/CPE 329*, ME Mechatronics elective
Data Communication											X	Tech Elective
Quantum Information											X	Tech Elective
Aircraft Subsystems	X											AERO Tech Elective
The Branding Code							X					GENE Tech Elective
Consulting Skills							X					GENE Tech Elective
Remote Sensing Cartography				X								Tech Elective
Intercultural Aspects in Project Mgt				X								Tech Elective
Management Decision Making Supported by Data Analysis				X								Tech Elective
Plant Engineering			X									Tech Elective
Special Geotechnical Works			X									CE Tech Elective
Fatigue & Fracture			X									CE Tech Elective
Entrepreneurship			X									Science Elective
Computer Network I					X							CPE 464*
Concepts of Modern Programming					X							CPE Tech Elect
Intercultural Aspects in Project Management					X							Tech Elect
Computer Networks II					X							CPE 464*
Symmetric Matrices					X							Math/Science Elective
Network Security					X							CPE Tech Elect
Operating Systems I					X							CPE Tech Elect or CPE 453*
Lean Six Sigma Foundation								X				IE Tech Elect
Green Logistics and Sustainability								X				IE Tech Elect or IME 417*
Management Across Borders & Cultures								X				Tech Elect
Renewable Energies								X				Tech Elect
Starting a New Enterprise								X				BUS 310
Marketing								X				BUS 346*

Lean Six Sigma Foundation Ergonomics & Practical Training								X				IME 319
Marketing Project								X				BUS 346
Dynamics for Engineers										X		ME 326*
Fluid Mechanics & Advanced Fluid Mechanics**										X		ME 341 & ME 347**
Advanced Fluid Mechanics										X		ME Tech Elective
Mechanical Components II^										X		ME 329^
Heat and Mass Transfer*										X		ME 350*
Control Systems for Automotive & Aerospace Engineers										X		ME 422
Sustainable Product Engineering & Design Project										X		ME 506
Modeling & Testing of Products & Processes										X		ME Tech Elective
Innovation and Entrepreneurship for Green Technologies										X		ME Tech Elective
Innovation & Entrepreneurship and Automotive Mechantronics										X		ME Tech Elective
Aerodynamic Principles for Auto Design										X		ME Tech Elective
Multibody Dynamics										X		ME General Concentration Tech Elective
Tool Design and Manufacture										X		ME Tech Elective
Vehicle Dynamics										X		ME Tech Elective
Renewable Energies										X		ME Tech Elective
Aerodynamic Principles for Automotive Design										X		ME Tech Elective
Multibody Systems										X		ME Tech Elective
Automotive Mechanics										X		ME Tech Elective
Finite Element Method										X		ME Tech Elective
Project Management										X		ME Tech Elective
Flight Mechanics										X		ME Tech Elective
Innovation Management										X		ME Tech Elective
Composite Materials										X		ME Tech Elective

* Needs to be combined with an extra units to satisfy unit requirement of course

^ Course offered in German

**Must be taken together for group substitution