

Bachelor modules in English for Incoming Exchange Students

Important Remarks

Based on the experience gained the decision was taken to offer Incoming Exchange students “**module packages**” in the order of 30 ECTS (only autumn semester), which is the average expected study load for one semester. For the spring semester we can't, at the moment, provide module packages, but the students certainly will be able to select enough modules / courses to fulfil their credit requirements for a full semester.

Students selecting these module packages will find within the specific study no collision in their study plans.

We thus recommend, when drafting the learning agreement to assign to these module packages first.

The module packages are in the first instance addressing students in the 5th semester of their study program. The hyperlinks provide module descriptions, including learning objectives and type of assessment.

Of course, students are welcome to select courses out of the module packages from different programs and semesters within each term (e.g. autumn term: 3rd and 5th semester), but they have to be aware, that this might cause problems with their individual timetable.

The final timetable will be available about two weeks before semester start. For the students course changes will be possible the first two weeks after start of semester.

Courses in English study year 2019/20:

* Module packages 5th semester/autumn: no collision in timetable

Undergraduate Programs	Courses / Modules	Course Code / Course Description	ECTS Credits	Semester	Term
AVIATION module packages*	Computational Fluid Dynamics	CFD-EN	4	5th semester	autumn
	Maintenance, Airworthiness Management, Regulations, Operator Organisation	MARO-EN	4	5th semester	autumn
	Finite Element Method	MFEM-EN	3	5th semester	autumn
	Mechanical Vibrations	MSL-EN	3	5th semester	autumn
	Project- and Quality Management	PQM-EN	4	5th semester	autumn
	Project Work	PAAV-EN	6	5th semester	autumn
	Intercultural Communication and Management	ICAM-EN	2		autumn
	Introductions to Swiss Society and Politics	ISSP-EN	3		autumn
	German for Beginners - Incoming Students	GFB	3		autumn
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	Aircraft Systems	AC-SYS-EN	4	3rd semester	autumn
	Meteorology for Aviation and Engineers	MET-AVE-EN	4	3rd semester	autumn
	Flight Mechanics and Flight Simulation	FMSI-EN	4	5th semester	autumn
	Unmanned Aviation	UA-EN	4	5th semester	autumn
	Business Administration	BADM-EN	4	2nd semester	spring
	Principles of Flight	POF-EN	4	2nd semester	spring
	System Reliability, Availability, Maintainability, Safety	SYS-RAMS-EN	8	4th semester	spring
	Aircraft System-Control Systems	AC-SYS-CS-EN	4	4th semester	spring
	Flight Operations	FL-OPS-EN	4	4th semester	spring
	Mechanical Engineering for Aviation	ME-AV-EN	4	4th semester	spring
	Aircraft Systems - Flight Propulsion	AC-SYS-FP-EN	4	6th semester	spring
	Aviation Management	AV-MGMT-EN	4	6th semester	spring
	Supply Chain Management in Aviation	SCM-AV-EN	4	6th semester	spring
	Project Work	PAAV-EN	6		spring
ELECTRICAL ENGINEERING module packages*	Control Theory 1	RT1-EN	4	5th semester	autumn
	Communication Networks and Services 1	CNS1-EN	4	5th semester	autumn
	Internet of Things 1	IOT1-EN	4	5th semester	autumn
	System on Chip Design	SCD-EN	4	5th semester	autumn
	Project Work	PAET-EN	6	5th semester	autumn
	Intercultural Communication and Management	ICAM-EN	2		autumn
	Introductions to Swiss Society and Politics	ISSP-EN	3		autumn
	German for Beginners - Incoming Students	GFB	3		autumn
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	Computer Engineering 1	CT1-EN	4	3rd semester	autumn
	Electricity 3	EL3-EN	4	3rd semester	autumn
	Electronics Project 1	ETP1-EN	2	3rd semester	autumn
	Signals and Systems 1	SISY1-EN	4	3rd semester	autumn
	Sensor Technology	SEN-EN	4	5th semester	autumn
	Scientific Computing	SCC-EN	4	5th semester	autumn
	Image Processing	BV-EN	4	5th semester	autumn
	Electronics Project 2	ETP2-EN	4	4th semester	spring
	Communication Networks and Services 2	CNS2-EN	4	6th semester	spring
	Internet of Things 2	IOT2-EN	4	6th semester	spring
	Project Work	PAET-EN	6		spring

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INFORMATION TECHNOLOGY module packages*	Image Processing ¹	BV-EN	4		autumn
	Software and System Security 1 ¹	SWS1-EN			
	Cloud Computing 1	CCP1-EN	4	5th semester	autumn
	Communication Networks and Services 1	CNS1-EN	4	5th semester	autumn
	Internet of Things 1	IOT1-EN	4	5th semester	autumn
	Scientific Computing	SCC-EN	4	5th semester	autumn
	System on Chip Design	SCD-EN	4	5th semester	autumn
	Project Work	PAIT-EN	6	5th semester	autumn
	Intercultural Communication and Management	ICAM-EN	2		autumn
	Introductions to Swiss Society and Politics	ISSP-EN	3		autumn
German for Beginners - Incoming Students	GFB	3		autumn	
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	Project 3	PSIT3-EN	4	3rd semester	autumn
	Artificial Intelligence 1	KI1-EN	4	5th semester	autumn
	Serverless and Cloud Application Development	SCAD-EN	4	5th semester	autumn
	Project 4	PSIT4-EN	4	4th semester	spring
	Cloud Computing 2	CCP2-EN	4	6th semester	spring
	Communication Networks and Services 2	CNS2-EN	4	6th semester	spring
	Internet of Things 2	IOT2-EN	4	6th semester	spring
	Software and System Security 2	SWS2-EN	4	6th semester	spring
	Project Work	PAIT-EN	6		spring
MECHANICAL ENGINEERING module packages*	Computational Fluid Dynamics	CFD-EN	4	5th semester	autumn
	Finite Element Method	MFEM-EN	3	5th semester	autumn
	Mechanical Vibrations	MSL-EN	3	5th semester	autumn
	Project- and Quality Management	PQM-EN	4	5th semester	autumn
	Project Work	PAM1-EN	8	5th semester	autumn
	Intercultural Communication and Management	ICAM-EN	2		autumn
	Introductions to Swiss Society and Politics	ISSP-EN	3		autumn
German for Beginners - Incoming Students	GFB	3		autumn	
			30		
	Fluid- and Thermodynamic 2	FTH2-EN	4	3rd semester	autumn
	Materials Engineering 1	WT1-EN	2	3rd semester	autumn
	Measurement and Control Systems 1	MSRT1-EN	4	3rd semester	autumn
	Measurement and Control Systems 2	MSRT2-EN	4	4th semester	spring
	Project Work	PAM1-EN	6		spring
SYSTEMS ENGINEERING	Product Development for Systems Engineering	PES3-EN	4	3rd semester	autumn
	Computer Engineering 1	CT1-EN	4	3rd semester	autumn
	Electricity 3	EL3-EN	4	3rd semester	autumn
	Signals and Systems 1	SISY1-EN	4	3rd semester	autumn
	Project Work	PAST-EN	6	5th semester	autumn
	Control Theory 1	RT1-EN	4	5th semester	autumn
	Sensor Technology	SEN-EN	4	5th semester	autumn
	Image Processing	BV-EN	4	5th semester	autumn
	Computational Fluid Dynamics	CFD-EN	4	5th semester	autumn
	Communication Networks and Services 1	CNS1-EN	4	5th semester	autumn
	System on Chip Design	SCD-EN	4	5th semester	autumn
	Product Development for Systems Engineering	PES4-EN	4	4th semester	spring
	Communication Networks and Services 2	CNS2-EN	4	6th semester	spring
Project Work	PAST-EN	6		spring	
ENGINEERING AND MANAGEMENT	Economic and Social Systems 1	OESSY1-EN	6	3rd semester	autumn
	Operations Management 1	OMA1-EN	4	3rd semester	autumn
	Database Fundamentals	DBG-EN	4	5th semester	autumn
	Operations Management 3	OMA3-EN	4	5th semester	autumn
	Project- and Quality Management	PQM-EN	4	5th semester	autumn
	Simulation of Business Processes	SIM-EN	4	5th semester	autumn
	Project Work	PAWI-EN	6	5th semester	autumn
	Project Work	PAWI-EN	6		spring

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Undergraduate Programs	Courses / Modules	Course Code / Course Description	ECTS Credits	Semester	Term
all programmes	Bionics	BION-EN	2	5th semester	autumn
	Intercultural Communication and Management	ICAM-EN	2		autumn / spring ²
	Introductions to Swiss Society and Politics	ISSP-EN	3		autumn / spring ²
	German for Beginners - Incoming Students	GFB	3		autumn / spring ²
	English for Academic Purposes	EAP-EN	2		autumn / spring ²

¹ Information Technology: choose one of these modules

²spring semester:
availability depending on
number of students