	Program-Specific Modules	Type	Assessment	Period	Status ¹	Sem. CP		Jacobs Track Modules (General Education)	Type	Assessment	Period	Status ¹	Sei
1 - CHOI						45							
ne mandatory	CHOICE modules listed below, this is a requirement for the EES program												
					15		Unit: Methods / Skills						
30	Module: General Earth and Environmental Sciences (default minor)				m	1 7.5	JTMS-MAT-07	Module: Mathematical Concepts for the Sciences		T		m	1
30-A 30-B	Structure and Geological Evolution of the Earth	Lecture Lecture	Written Exam	Examination period		2.5	JTMS-07	Mathematical Concepts for the Sciences	Lecture	Written exam	Examination period	m	╀
130-B 130-C	Structure and Dynamics of the Earth's Atmosphere and Oceans Anthropogenic Impact on the Earth's Surface Environment	Lecture / Field Lab	written Exam	Examination period		2.5							+
131	Module: General Geosciences (default minor)	Eccture / Field Eab			m	2 7.5	JTMS-SCI-15	Module: Chemistry for Natural Scientists				m	-
131-A	Volcanism and Metamorphism	Lecture				2.5	JTMS-15	Chemistry for Natural Scientists	Lecture	Written exam	Examination period		T
-131-B	Sedimentology	Lecture	Oral Exam	Examination period		2.5		·			•		\top
-131-C	Structural Geology	Lecture				2.5							
	Unit: CHOICE (own selection)					1+2 30		Unit: Language				m	
e four further Cl	HOICE modules from those offered for all other study programs ²							German is default language. Native German speakers take modules	in another offered l	anguage.			
							JTLA-xxx	Module: Language 1				m	
							JTLA-xxx	Language 1	Seminar	Various	Various	me	
							JTLA-xxx	Module: Language 2		- · · ·		m	
4 CODE							JTLA-xxx	Language 2	Seminar	Various	Various	me	_
ar 2 - CORE		,				45							
ke all CORE moa	lules listed below or replace 15 CP with suitable CORE modules from other st	udy programs ²				- 17 1	_						
-460	Unit: Marine Environmental Science (default minor)					3 7.5	0.1 . 6 . 16 . 1	Unit: Methods / Skills		-			
-460-A	Module: Environmental Science (default minor) Marine Environments	Lecture			me	2.5	JTMS-xxx-xx	nds / Skills modules offered in the Fall semester Module: Methods (own selection)		Various	Various	me	
-460-B	Environmental Geochemistry	Lecture	Written Exam	Examination period		2.5	J I MS-XXX-XX	Module: Methods (own selection)		various	various	me	
-460-C	Environmental Mineralogy	Lecture	Witten Littin	Examination period		2.5						-	+
-461	Module: Oceanography (default minor)				me	4 7.5	JTMS-SCI-17	Module: Physics for the Natural Sciences				m	٠.
-461-A	Physical Oceanography	Lecture				2.5	JTMS-17	Physics for the Natural Sciences	Lecture	Written exam	Examination period		Т
)-461-B	Marine Geophysics	Lecture	Written Exam	Examination period		2.5							
0-461-C	Oceanographic Research Cruise	Field Lab				2.5							
D-462	Unit: Geochemistry and Resources					15		Unit: Language					_
)-462)-462-A	Module: Geochemistry of Igneous and Aqueous Systems	Lastona			me	3 7.5	TTT A	German is default language. Native German speakers take modules	in another offered l	anguage.			
D-462-A D-462-B	Igneous Trace Element and Radiogenic Isotope Geochemistry Aqueous and Marine Geochemistry	Lecture Lecture	Written Exam	Examination period		2.5	JTLA-xxx JTLA-xxx	Module: Language 3	Ci	Various	Vaniana	m	_
0-462-C	Stable Isotope Geochemistry	Lecture	WITHEILEANII	Examination period		2,5	JILA-XXX	Language 3	Seminar	various	Various	me	+
0-463	Module: Mineral, Metal and Water Resources	Lecture			me	4 7.5	JTLA-xxx	Module: Language 4		_		m	٠.
D-463-A	General Mineral Resources	Lecture				2.5	JTLA-xxx	Language 4	Seminar	Various	Various	me	Т
D-463-B	Critical High-Technology Metals: Resources and Environmental Impact	Lecture	Written Exam	Examination period		2.5							
0-463-C	Fieldcamp: Geology, Metals and Freshwater Resources	Field Lab				2.5							
	Unit: Earth Data Science and Remote Sensing					15							
0-464	Module: Earth Data Science				me	3 7.5							-
D-464-A D-464-B	Surface and Subsurface Systems: Data, Models, and Processes	Lecture Lecture	Written Exam	Eitiid		2.5				+			+
D-464-B	Marine and Atmospheric Systems: Data, Models, and Processes Introduction to Geographic Information Systems	Lecture	WHIGH EXAIN	Examination period		2.5						+	+
D-465	Module: Geophysical Remote Sensing	Lecture			me	4 7.5						+	+
D-465-A	Earth and Planetary Surfaces in Remote Sensing Data	Lecture			me	2.5							+
D-465-B	Climate System Dynamics Observed from Space	Lecture	Project Report	During the Semester		2.5							
D-465-C	Global Geophysical Fields and Models	Lecture				2.5							
ar 3 - CARE	ER					45							
A-INT-900	Module: Internship / Startup and Career Skills				m	4/5 15		Unit: Big Questions					
A-INT-900-0	Internship / Startup and Career Skills	Internship	Report/Business Plan	During the 5 th semester	r	15	JTBQ-xxx	Module: Big Questions				m	5
odule Code	Module: Seminar / Thesis EES				m	6 15	Take a total of 10 C	CP of Big Questions modules (each 2.5 or 5 CP) as mandatory elective	Various	Various	Various	me	
-EES-800-T	Thesis EES		Thesis and Presentation	15th of May		12		Unit: Community Impact Project					
EES-800-S	Seminar EES		riesis and presentation	During the semester		3	JTCI-CI-950	Module: Community Impact Project				m	
	Unit: Specialization EES				m	15	JTCI-950	Community Impact Project	Project	Project	Examination period		Г
ke a total of 15 (CP of specialization modules												T
-S-EES-801	Advanced Earth and Environmental Sciences Field Lab	Field Lab	Project Report	During the semesterd	me	5 5							
-S-EES-802	Global Change and Systems Thinking	Lecture	Oral Exam	Examination period	me	5 5							
-S-EES-803	Modelling of Earth System Data	Lecture	Project Report	Examination period	me	5 5							
		Seminar	Project Report	Examination period	me	6 5							
-S-EES-804	Current Topics in Earth and Environmental Sciences	Seminar	r roject Report	Examination period	ine	0 3							