

American University in Central Asia

CHECKLIST

Student's Name _____

ID # _____

Major: Environmental Sustainability and Climate Science

Year of Admission 2021

Profile: _____

Year of Declaration ____

Course Name	Course #	Course ID	Credits	Prerequisite	Comments
GENERAL EDUCATION COURSES					
English Composition I			6		
English Composition II			6		
FYS I			4		
FYS II			4		
Intro to Philosophy I (part of FYS)			2		
Intro to Philosophy II (part of FYS)			2		
Kyrgyz Language and Literature I*			4		
Kyrgyz Language and Literature II*			4		
Russian Language I			2		
Russian Language II			2		
History of Kyrgyzstan* (to be completed during sophomore year)			4		
Geography of Kyrgyzstan* (to be completed during sophomore year)			2		
Manas Studies			2		
Mathematics (6 credits may overlap with major requirements) **			12		
Natural Sciences (ecology/geography/geophysics/history and philosophy of science/ concept of modern sciences) SYS***			6		
Arts/SYS***			12		
Humanities/Second Year Seminar***			12		
Social Sciences/Second Year Seminar***			12		
Orientation Week			2		
Total - 100 credits					

* All students are required to take state examination on these courses in their 2nd year. It is highly recommended to complete them by the end of 4th semester.

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1. Students from AMI and SFW should not take General Education Mathematics courses. They fulfill their requirements in this area as part of their program requirements.
2. Students of Anthropology department are required to take additional 3 credits in Computer Science.
3. First year students in ANTH, ES, ICP, JMC, LAS, PSY, SOC, ESCS, TCMA and GEO departments who hope to transfer to BA should enroll in Mathematics for Business and Economics I course. Students have to consult the Business Administration department's web page to learn the transfer requirements of the department.
4. First year students in ANTH, ES, ICP, JMC, LAS, PSY, SOC, ESCS, TCMA and GEO departments who hope to transfer to ECO, AMI or SFW departments should enroll in "Linear Algebra and Geometry for ECO/SFW/AMI" course. Students have to consult the web page of chosen department to learn the transfer requirements.
5. Students in PSY, SOC and JMC departments should take Introduction to Probability and Statistics during their freshman or sophomore year. In their junior year they will take a more advanced quantitative methods course that covers their second Mathematics requirement.
6. Students in ESCS department should take Introduction to Contemporary Mathematics I and Introduction to Probability and Statistics courses to fulfill their requirements in Mathematics.
7. Students from ANTH, ES, ICP, GEO, TCMA and LAS departments who do not intend to transfer to BA, ECO, AMI or SFW should take two of General Education Mathematics courses to fulfill their requirements in Mathematics over their four years at AUCA.

1. Students of PSY and SOC departments have to cover only 3 credits of Natural Science.
2. Students of AMI department have to take 6 credits of Physics in order to fulfill this requirement.
3. All students in their 2nd year must take one Second Year Seminar. This seminar substitutes for one required 6-credit course in either Humanities, Social Sciences, Arts or Natural Science.
4. Only 6 credits of foreign languages can be counted for Humanities requirement. However, students must take two semesters for the language courses to count towards graduation.

REQUIRED CORE COURSES

Applied Ecology: Interactions, Relationships and Conservation (ENV/NTR-205)		4228	6		Fall
General Chemistry (ENV-101)		3673	6		Fall
Environmental Chemistry (ENV-110)		3463	6		Spring
GIS Application in Environmental Management (ENV-201)		3784	6		Fall
Environmental Geophysics (ENV 203)		3848	6	-ENV/NTR 205 -AGEO 100	Fall
Intro to Environmental Management System (ENV-202)		3785	6		Spring
International Environmental Law and Policy (ENV/NTR/LAS – 305)			6		Spring
Climate Change and SDGs (ENV-200.1)		5101	6		Fall
Water Resource System Planning and Management(ENV 304)		3844	6	MAT 130 MAT-129.1 MAT-233	Fall
Research Methods		4116	6	-ENV/NTR 205	Fall

Internship1/ Field Work (ENV-204)		3849	3		Spring
Internship2/ Field Work (ENV-300)		3853	3	ENV 204	Fall (Summer)
Senior Thesis Seminar I (ENV 400)		3852	6	-ENV 203 -ENV/NTR 205 -AGEO 100	Fall
Senior Thesis Seminar II (ENV 401)		3851	6	ENV 400	Spring
Total - 78 Credits					
ELECTIVE COURSES					
Introduction to R: Software for Statistical Computing (COM-211)		3863	6		Spring
Agro-Ecology Integrated Crop <i>Management</i> (ENV-303)		3850	6		
Climate Change and Natural Disasters (<u>ENV-300</u>)		4114	6		Spring
Eco-tourism and Environmental Conservation (ENV-102)		4684	6		Spring
Ecosystem services		TBD	6		Spring
Social Entrepreneurship and Sustainability		4900	6		Fall
Environmental Health and Safety		5367	6		Spring
Environmental Management and Sustainable Development (ENV-100)		3562	6		Fall
Trees, Forests and Sustainability (<u>ENV-215</u>)		5106	6		Fall
Total - 54 Credits					
				Sum of Credits:	232
The rest of course credits can be chosen from outside of student's concentration:					10
Total Number of Credits: 242					