Castleton University

Degree Plan

For students starting Fall 2020

PROGRAM: Environmental Science

This plan is an example of how you can earn your degree in four years.
You may work with your advisor to customize the plan to fit your circumstances.

2020-21

FALL - 2020	cr.	SPRING - 2021	cr.	J.TERM & SUMMER	cr.
FYS	3	INT 1053 Soundings II	.5		
ENG 1061 English Comp	3	SCI 1230 Pathways to Science	1		
INT 1051 Soundings I	1	BIO 1122 Biology II	4		
CHE 1110 Intro to Envtal Chem	3	MAT 1360 Precalculus with Apps	4		
BIO 1121 Biology I	4	ENG 1070 Effective Speaking	3		
		Gen Ed*	3		
		Quantitative Reasoning Exam			

NOTES:

Total credits after Year One (THINK 30): 29.5

The Science and Mathematics general education frame will be completed by courses in your program.

2021-22

FALL - 2021	cr.	SPRING - 2022	cr.	J.TERM & SUMMER	cr.
ENG 2260 Touchstones	3	CHE 1051 Chemistry II	4		
CHE 1051 Chemistry I	4	MAT 2036 Biostatistics	4		
BIO 2125 Funds of Microbio	4	Gen Ed*	3		
SCI 2100 Science Colloquium	1	Gen Ed*	3		
MAT 1531 Calculus I	4	Elective**	3		
Information Literacy Exam					

NOTES:

Total credits after Year Two (THINK 60): 62.5

*Menu of Gen Ed courses
-6 cr. Aesthetic Understanding
-6 cr. Social & Behavioral Understanding
-6 cr. World Views

** While many students take additional upper-level electives in their program beyond those required, electives could be any courses offered at Castleton University.

2022-23

FALL - 2022	cr.	SPRING - 2023	cr.	J.TERM & SUMMER	cr.
INT 3054 Jr. Soundings	.5	SCI 2210 Intro to Geographical Information Systems	4		
BIO/CHE 3013 Biogeochemistry: Soils & Elemental Cycles	4	PHY 2210 Physics II	4		
PHY 2110 Physics I	4	Upper-level major elective***	3		
BIO 3060 Ecology -or- BIO 3065 Plant Ecology	4	Gen Ed*	3		
GEY 1030 Dynamic Earth	4				
		submit Application for Degree			

NOTES: Total credits after Year Three (THINK 90): 92

*Upper-level major electives may be taken during semesters other than those shown here in order to take courses when they are offered (see *** below).*

2023-24

FALL - 2023	cr.	SPRING - 2024	cr.	J.TERM & SUMMER	cr.
Elective**	3	Elective** or Research	3		
Upper-level major elective***	3	Gen Ed*	3		
Elective** or Research	3	Elective**	3		
Gen Ed*	3	Elective**	3		
		Elective**	3		

NOTES: *Need at least 120 cr. to graduate* Total credits after Year Four (THINK 120): 120

***Upper-level major elective courses include (Choose 2):**
Fall 2022: CHE 2111 Organic Chemistry I; GEY 3110 Hydrogeology
Spring 2023: CHE 3020 Analytical Chemistry; CHE 3030 Aqueous Geochemistry; BIO 3030 Ecology of Water
Fall 2023: CHE 2111 Organic Chemistry I; CHE 4010 Environmental Kinetics & Chemical Fate
Spring 2024: CHE 3020 Analytical Chemistry; BIO 4250 Ecotoxicology

For students considering environmental engineering or hydrology careers/graduate programs, a minor in mathematics is recommended with MAT 2532 Calculus II, MAT 3533 Calculus III, MAT 3210 Linear Algebra, and MAT 3310 Differential Equations.

Research: In addition to the above requirements, we strongly recommend that students initiate an internship or research project in environmental science.

Environmental Studies minor: This minor is useful in increasing the breadth of knowledge of environmental issues.