

**Cleveland State University**  
**College of Sciences and Health Professions**  
**Bachelor of Science in Environmental Science**  
(recommended plan for students with strong science backgrounds)

**First Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
BIO 200/201 Introductory Biology I/Lab	4	X	NS	BIO 202/203 Introductory Biology II/Lab	4	X	NS
CHM 261/266 General Chemistry I/Lab	4	X	NS	CHM 262/267 General Chemistry II/Lab	4	X	NS
STA 147, PSY 217 <sup>^</sup> , OR SOC 354 <sup>^</sup>	3	X	M/QL	ENG 102 English II	3		W/C
ASC 101 Introduction to University Life	1		INTRO	MTH 181, STA 347, OR PSY 317 <sup>^</sup>	3 or 4	X	M/QL
ENG 101 English I	3		W/C				
<b>Semester Total</b>	<b>15</b>			<b>Semester Total</b>	<b>14 or 15</b>		

**Second Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
UST Policy/Planning Course (UST 435;436;440;441;442)	3	X		EVS 302/303 Bio Feat of Ecosystems/Lab (Spring only)	4	X	
EVS 300/301 Physical Features (Fall only)	4	X		UST Policy/Planning Course (UST 435; 436; 440; 441; 442)	3	X	
EVS 322/323 Geospatial Concepts & Tools (Fall only)	4	X		Arts & Humanities Elective**	3		A&H
Social Science Elective**	3		SS	Social Science Elective**	3		SS
				Writing Across the Curriculum Elective	3		WAC
<b>Semester Total</b>	<b>14</b>			<b>Semester Total</b>	<b>16</b>		

**Third Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
EVS Focus Elective (300/400 level)	3	X		EVS 354/355; 424/425; 430; OR 444/445	3 or 4	X	
EVS Focus Elective (300/400 level)	3	X		EVS Focus Elective (300/400 level)	4	X	
General Elective*	3			US Diversity Elective	3		DIV
Arts & Humanities Elective**	3		A&H	PHY 221 College Physics I (or PHY 241)	5	X	NS
General Elective*	3						
<b>Semester Total</b>	<b>15</b>			<b>Semester Total</b>	<b>15 or 16</b>		

**Fourth Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
EVS Focus Elective (300/400 level)	3	X		EVS Focus Elective (300/400 level)	3	X	
EVS 490/497 Internship/Research	4	X	WAC;CAP	EVS 499 Exit Evaluation	0	X	
African American Experience Elective	3		DIV	Writing Across the Curriculum Elective	3		WAC
PHY 470 Environmental Physics (Fall only)	3	X		General Elective*	3		
General Elective*	3			General Elective*	3		
				General Elective*	3		
<b>Apply for Spring graduation by the middle of this term</b>							
<b>Semester Total</b>	<b>16</b>			<b>Semester Total</b>	<b>15</b>		
<b>Degree Total (as listed in above sample): 120-121 (120 hours minimum required to earn degree)</b>							

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency

**College/ Program Notes:**

The plan above is a suggested guide to ensure that all General Education, College, University, and Major requirements are met within 4 years of study. Students may deviate from the suggested placement of Gen Ed courses, although the M/QL and W/C requirements should be completed during the first year of study.

\*Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a **minimum of 120 total credit hours**, of which a **minimum of 42 credit hours** must be upper division (300 or 400-level courses). Depending upon other choices made, students may not need as many electives as indicated above, or may need additional electives.

<sup>^</sup>Only one QL course can be applied to the M/QL requirement. The other course must be an MTH/STA course.

**University Notes:**

<b>Gen Ed Key:</b> INTRO = Introduction to University Life (one course) W/C = Writing/Composition (two courses; C or better required) M/QL = Mathematics/Quantitative Literacy (two courses) NS = Natural Sciences (two courses, one of which must have a lab) ** of the four total SS and A&H courses, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)	SS = Social Sciences (two courses from different departments**) A&H = Arts & Humanities (two courses from different departments**) DIV = Social Diversity (two courses; one US Diversity and one African American Experience) WAC/SPAC = Writing/Speaking Across the Curriculum (three courses, one in the major; C or better required) CAP = Capstone
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Cleveland State University  
College of Sciences and Health Professions  
Bachelor of Science in Environmental Science  
(for students not confident/untested in scientific abilities)

**First Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
BIO 200/201 Introductory Biology I/Lab	4	X	NS	BIO 202/203 Introductory Biology II/Lab	4	X	NS
ENG 101 English I	3		W/C	ENG 102 English II	3		W/C
ASC 101 Introduction to University Life	1		INTRO	MTH 181, STA 347, OR PSY 317^	3 or 4	X	M/QL
Social Science Elective**	3		SS	Arts & Humanities Elective**	3		A&H
STA 147, PSY 217^, OR SOC 354^	3	X	M/QL	Social Sciences Elective**	3		SS
<b>Semester Total</b>	<b>14</b>			<b>Semester Total</b>	<b>16 or 17</b>		

**Second Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
EVS 300/301 Physical Features (Fall only)	4	X		EVS 302/303 Bio Feat of Ecosystems/Lab (Spring only)	4	X	
CHM 261/266 General Chemistry I/Lab	4	X	NS	CHM 262/267 General Chemistry II/Lab	4	X	NS
EVS 322/323 Geospatial Concepts & Tools (Fall only)	4	X		African American Experience Elective	3		DIV
Arts & Humanities Elective**	3		A&H	Writing Across the Curriculum Elective	3		WAC
<b>Semester Total</b>	<b>15</b>			<b>Semester Total</b>	<b>14</b>		

**Third Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
EVS Focus Elective (300/400 level)	3	X		EVS 354/355; 424/425; 430; OR 444/445	3 or 4	X	
UST Policy/Planning Course (UST 435;436;440;441;442)	3	X		EVS Focus Elective (300/400 level)	3	X	
EVS Focus Elective (300/400 level)	4	X		UST Policy/Planning Course (UST 435;436;440;441;442)	3	X	
US Diversity Elective	3		DIV	PHY 221 Collge Physics I (or PHY 241)	5	X	NS
General Elective*	3						
<b>Semester Total</b>	<b>16</b>			<b>Semester Total</b>	<b>14 or 15</b>		

**Fourth Year**

Fall Semester				Spring Semester			
	Credits	Major	Gen Ed		Credits	Major	Gen Ed
EVS Focus Elective (300/400 level)	3	X		EVS Focus Elective (300/400 level)	3	X	
EVS 490/497 Internship/Research	4	X	WAC;CAP	EVS 499 Exit Evaluation	0	X	
PHY 470 Enironmental Physics (Fall only)	3	X		Writing Across the Curriculum Elective	3		WAC
General Elective*	3			General Elective*	3		
General Elective*	2			General Elective*	3		
				General Elective*	3		
<b>Apply for Spring graduation by the middle of this term</b>							
<b>Semester Total</b>	<b>15</b>			<b>Semester Total</b>	<b>15</b>		
<b>Degree Total (as listed in above sample): 120-121 (120 hours minimum required to earn degree)</b>							

Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency

**College/ Program Notes:**

The plan above is a suggested guide to ensure that all General Education, College, University, and Major requirements are met within 4 years of study. Students may deviate from the suggested placement of Gen Ed courses, although the M/QL and W/C requirements should be completed during the first year of study.

\*Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a **minimum of 120 total credit hours**, of which a **minimum of 42 credit hours** must be upper division (300 or 400-level courses). Depending upon other elective choices made, students may not need as many electives as indicated above, or may need additional electives.

^Only one QL course can be applied to the M/QL requirement. The other course must be an MTH/STA course.

**University Notes:**

<b>Gen Ed Key:</b>	SS = Social Sciences (two courses from different departments)**
INTRO = Introduction to University Life (one course)	A&H = Arts & Humanities (two courses from different departments)**
W/C = Writing/Composition (two courses; C or better required)	DIV = Social Diversity (two courses; one US Diversity and one African American Experience)
M/QL = Mathematics/Quantitative Literacy (two courses)	WAC/SPAC = Writing/Speaking Across the Curriculum (three courses, one in the major; C or better required)
NS = Natural Sciences (two courses, one of which must have a lab)	CAP = Capstone
	** of the four total SS and A&H courses, one must be focused on Africa, Latin America, Asia or the Middle East (ALAAME)

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**Cleveland State University**  
**College of Sciences and Health Professions**  
 Bachelor of Science in Environmental Science  
 CSUteach (license in Education)

<b>First Year</b>										
Fall Semester	Credits	Major	License	Gen Ed	Spring Semester	Credits	Major	License	Gen Ed	
ASC 101: Intro to University Life	1			Intro	EDC 200: Div in Edu Settings	3		x	DIV	
ENG 101: College Writing I	3			W/C	ENG 102: College Writing II	3			W/C	
BIO 200/201: Introductory Biology I + Lab	4	x	x	NS	BIO 202/203: Introductory Biology II + Lab	4	x	x	NS	
PSY 221: Adolescent Psychology	3		x	SS	EVS 206: Introduction to Environmental Science	3	x	x	NS	
MTH 181: Calculus I	4	x	x	M/QL	STA 147: Statistical Concepts & App	3		x	M/QL	
<i>Semester Total</i>	15				<i>Semester Total</i>	16				

<b>Second Year</b>										
Fall Semester	Credits	Major	License	Gen Ed	Spring Semester	Credits	Major	License	Gen Ed	
EUT 201: Step 1: Inquiry Approaches to Teaching	1		x		EDB 242: Introduction to Education	3		x	DIV	
EVS 300/301: Phy Features of Ecosystem + Lab	4	x	x		EVS 302/303: Bio Features of Ecosystems + Lab	4	x	x		
CHM 261/266: General Chemistry I + Lab	4	x	x	NS	CHM 262/267: General Chemistry II + Lab	4	x	x	NS	
EVS 322/323: Geospatial Concepts & Tools	4	x	x		BIO 304/305: Population Biology & Evolution + Lab	4	x	x		
African American Experience Elective	3			DIV	GEO 230: Natural Resources	3	x	x		
<i>Semester Total</i>	16				<i>Semester Total</i>	18				

<b>Third Year</b>										
Fall Semester	Credits	Major	License	Gen Ed	Spring Semester	Credits	Major	License	Gen Ed	
EDB 302: Psychological Foundations of Education	3		x	WAC	EUT 305: Classroom Interactions	3		x		
Planning Course (UST 435, 436, 441 or 442)	3	x	x		PHY 201: Astronomy: Stars & Galaxies	3	x	x	NS	
PHY 221: College Physics I	5	x	x	NS	PHY 222: College Physics II	5	x	x	NS	
GEO 100/101: Intro to Geology + Lab	4	x	x	NS	Social Science Elective (**ALAAME)	3			SS	
Arts & Humanities Elective (**ALAAME)	3			A&H	ESE 400: Introduction to Special Education	3		x	WAC	
<i>Semester Total</i>	18				<i>Semester Total</i>	17				

<b>Fourth Year</b>										
Fall Semester	Credits	Major	License	Gen Ed	Spring Semester	Credits	Major	License	Gen Ed	
EUT 417: Project Based Instruction in Science	3		x		EST 499: CSUteach STEM Apprentice Teaching II	6		x		
EST 399: CSUteach STEM Apprentice Teaching I	1		x		EUT 210: Perspectives on Science & Math	3		x	A&H/WAC	
EUT 311: Research Methods	3		x	WAC	CHM 255: Environmental Chemistry	3	x	x		
Planning Course (UST 435, 436, 441 or 442)	3	x	x		EVS 490/496/497: Intern/Ind Study/Research	4	x		CAP/WAC	
PHY 470: Environmental Physics	3	x	x		EVS 499: Exit Evaluation	0	x			
EDL 305: Content Area Literacy	3		x							
<b>Apply for Spring graduation prior to Sep 9th</b>										
<i>Semester Total</i>	16				<i>Semester Total</i>	16				

*Degree Total: 132*

*Assumptions: college-level readiness in MTH & ENG; no Foreign Language Deficiency*

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**University Notes:**

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