

Transfer Guide

CCV Environmental Science to UVM's Rubenstein School

CCV Environmental Science AS	Environmental Sciences BS (ENSC)	Environmental Studies BS (ENVS)	Forestry BS (FOR)	Natural Resources / Resource Ecology BS (NRC)	Parks, Recreation & Tourism BS (PRT)	Wildlife & Fisheries Biology BS (WFB)
General Education						
ENG-1070 Effective Speaking	SPCH 011 Effective Speaking	SPCH 011 Effective Speaking	SPCH 011 Effective Speaking	SPCH 011 Effective Speaking	SPCH 011 Effective Speaking	SPCH 011 Effective Speaking
ENG-1061 English Comp	ENGS 001 Written Expression	ENGS 001 Written Expression	ENGS 001 Written Expression	ENGS 001 Written Expression	ENGS 001 Written Expression	ENGS 001 Written Expression
MAT-1230 College Algebra		MATH 009 College Algebra			MATH 009 College Algebra	
MAT-1531 Calculus	MATH 021 Calculus		MATH 021 Calculus	MATH 021 Calculus		MATH 021 Calculus
ECO-2020 or ECO-2030 Macroeconomics or Microeconomics			Meets economics requirement		Meets social science requirement	
Dimensions, Human Expression, & R/W Intensive (refer to transfer guide)	9 credits of coursework outside of the school	9 credits of coursework outside of the school	9 credits of coursework outside of the school	9 credits of coursework outside of the school	9 credits of coursework outside of the school	9 credits of coursework outside of the school
Environmental Science Core						
ENV-1010 Intro to Environmental Science	ENSC 001					
Combination of: ENV-1010 ENV- 1230		ENVS 001				
ENV-1055 Fundamentals of Earth Science				Subs for GEOL 001		
ENV-1230 Curr Env. Issues	ENVS OXX					
ENV 2310	*Petition to count toward focus track	*Petition to count toward individual program	*Petition to count toward area concentration	*Petition to count toward option electives	*Petition to count toward professional electives	
Natural Resource Focus						
CHE 1020 Intro to Chem w/Lab			CHEM 023 Chem requirement	CHEM 023 Chem requirement	Lab science requirement	CHEM 023 Chem requirement
CHE 1031 Gen Chemistry w/Lab	CHEM 031** (Students must also take CHEM 032 to fulfill chemistry requirement)		CHEM 031 Chem requirement	CHEM 031** (Students must also take CHEM 032 to fulfill chemistry requirement)	Lab science requirement	CHEM 031 Chem requirement
BIO-1250 Wildlife Ecology						WFB 174 requirement
BIO-2250	*Petition to count tow. focus track		*Petition to count tow. area concentration	NR 1XX		
Combination of: BIO-1020 or 1211 BIO-1240 ENV-2050	NR 001 Natural Hist & Field Ecology AND NR 103 Ecology, Ecosys & Environment	NR 001 Natural Hist & Field Ecology AND NR 103 Ecology, Ecosys & Environment	NR 001 Natural Hist & Field Ecology AND NR 103 Ecology, Ecosys & Environment	NR 001 Natural Hist & Field Ecology AND NR 103 Ecology, Ecosys & Environment	NR 001 Natural Hist & Field Ecology AND NR 103 Ecology, Ecosys & Environment	NR 001 Natural Hist & Field Ecology AND NR 103 Ecology, Ecosys & Environment
Sustainable Building Technology Focus						
Combination of: ENV-1310		CDAE OXX & PHYS OXX count tow ard				

PHY-2025		individually designed Sustainability Studies program.				
Combination of: ARC 1011 ARC 1211 BUS 2020 or BUS 2210 BUS 2230 or BUS 2430					*Petition to count toward 9 cr. of professional electives	
Other CCV Courses						
HIS-1220 (D1) SOC-1020 (D1) SOC-2040 (D1) MUS-1025 (D1) MUS-1060 (D2) PHI-2012 (D2)	D1: Race & Racism Diversity Requirem. (take two D1 or one D1 & one D2)	D1: Race & Racism Diversity Requirem. (take two D1 or one D1 & one D2)	D1: Race & Racism Diversity Requirem. (take two D1 or one D1 & one D2)	D1: Race & Racism Diversity Requirem. (take two D1 or one D1 & one D2)	D1: Race & Racism Diversity Requirem. (take two D1 or one D1 & one D2)	D1: Race & Racism Diversity Requirem. (take two D1 or one D1 & one D2)
CHE 1032	CHEM 032			CHEM 032		

* Students should meet with UVM advisor before preparing petition. Outcomes of petition will depend on individual circumstances.

Courses to take at UVM Environmental Sciences:

Requirements for all majors (ENSC, ENVS, FOR, NRC, PRT, WFB):

Rubenstein Core Curriculum (13 credits)

Combination of BIO 1020, BIO 1240, & ENV 2050 at CCV substitute for NR 001 & NR 103 at UVM

- NR 002 Nature and Culture (3 cr)
- NR 104 Social Processes and Environment (3 cr)
- NR 205 Ecosystem Management (3 cr)
- NR 206 Environmental Problem Solving (4 cr)

Note: Many CCV courses offered as *Human Expression* and *Human Behavior* can count **EITHER**

1. Towards the Rubenstein School general education requirement for 9 credits of coursework outside the school (if two 3-credit courses, then 6 of 9 credits would be completed) **OR**
2. Towards the University of Vermont 6-credit diversity requirement. Some CCV courses are identified as transferring with a D1 or D2 designation (see UVM Course Transfer Information online). If a student takes courses that transfer as a designated diversity course (D1 or D2), these count towards the diversity requirement at UVM. Note: Students must have at least 3 credits for D1 (race and racism in the US) to graduate from UVM.

Note: The above assumes students take the following to meet their CCV General Ed requirements:

ENG 1070 Effective Speaking (transfers as SPCH 011 Effective Speaking)
ENG 1061 English Composition (transfers as ENGS 001 Written Expression)
MAT 1531 Calculus (transfers as MATH 021 Calculus 1)

Requirements for ENSC (50 credits)

ENV 1010 at CCV transfers as ENSC 1

- BCOR 011 and BCOR 012 (8 cr)
 - CHEM 32 (4 credits) (assume students take CHEM 1031 at CCV, which transfers as CHEM 31)
 - CHEM 42 Organic Chem (4 cr)
 - GEOL 055 Env Geology or PSS 161 Intro Soil Science (4 cr)
 - MATH 22 Calculus 2 (3 cr) (assume students take MAT 1531 Calculus at CCV, which transfers as MATH 021 Calculus 1)

 - ENSC 130 Global Environmental Assessment (3 cr)
 - ENSC 160 Pollutant Movement (4 cr)
 - ENSC 201 Recovery and Restoration of Altered Ecosystems (3 cr)
 - ENSC 202 Ecological Risk Assessment (3 cr)
 - ENSC focus track (courses selected from approved lists) (14 cr)
- Students may petition to include some of the CCV focus area classes for their focus track

TOTAL CREDITS AT RSENR for B.S. in ENSC: 75 to 82 (5 semesters)

May be reduced depending on petition to include CCV ENSC focus area courses for focus track

Requirements for ENVS (40 to 46 credits)

ENV 1010 Intro to Envir Science & ENV 2010 Moving Toward Sustainability at CCV substitute for ENVS 001

- ENVS 002 International Environmental Studies (4 cr)
 - ENVS 151 Intermediate Environmental Studies (3 cr)
 - Senior Capstone (9 credits)
 - Individually-designed program (24 to 30 cr depending on courses taken at CCV)
- If students choose Sustainability Studies track at UVM, then ENV 1310 Sustainable Buildings and PHY 2025 Physics for the Environment contribute 6 credits to the program
- If students choose Ecology and Conservation track at UVM, then ENV 2050 Natural History of Vermont contributes 3 credits to the program
- If students choose Nature, Culture, Justice track at UVM, then HIS 2270 Society and Environment in History contributes 3 credits to the program

TOTAL CREDITS AT RSENR for B.S. in ENVS: 65 to 78 (4 to 5 semesters)

Requirements for Forestry (47 to 56 credits)

Assume students take CHE 1020 Intro to Chem, MAT 1531 Calculus, & ECO 2020 or ECO 2030 at CCV

- PBIO 4 Intro to Botany (4 cr)
 - NR 25 Measurements and Mapping (4 cr)
 - WFB 224 Conservation Biology (4 cr)
 - PSS 161 Intro Soil Science (4 cr)
 - FOR 21 Dendrology (4 cr)
 - FOR 73 Small Woodlot Management (3 cr)
 - FOR 81 Forestry Seminar (1 cr)
 - FOR 121 Forest Ecology Lab (2 cr)
 - FOR 122 Forest Ecosystem Analysis (4 cr)
 - FOR 223 Silviculture (4 cr)
 - FOR 235 Forest Ecosystem Health (4 cr)
 - FOR 182 Advanced Forestry Seminar (2 cr)
 - FOR 272 Forest Management (4 cr)
 - Forestry Area of Concentration (3 to 12 cr)
- Students may include some CCV focus area classes for their concentration

TOTAL CREDITS AT RSENr for B.S. in ENSC: 73 to 88 (5 semesters)

Requirements for NRC/Resource Ecology (40 credits)

Assumes students transfer CHE 1020 Intro to Chem, ENV 1055 Fundamentals of Earth Science, & MAT 1531 Calculus from CCV

- BIOL 001 and 002 Principles of Biology (8 cr)
 - CHEM 026 Organic Chemistry (4 cr)
 - NR 025 Measurements & Mapping (4 cr)
 - NR 143 Geographic Information Systems (3 cr)
- Option elective credits in ecology and supporting areas from a list of approved courses (21 cr)
(Assume students take ENV 1070 Intro to Wetlands and ENV 2020 Streams and Rivers at CCV)

TOTAL CREDITS AT RSENr for B.S. NRC/Resource Ecology: 66 to 72 (4 to 5 semesters)

Requirements for PRT (Public Outdoor Rec: 38 – 51 credits; Private Outdoor Rec 37 – 50 credits)

General Foundation Courses for both Public and Private Outdoor Recreation Options

Note: Social Sciences course fulfilled by ECO 2020 or ECO 2030 at CCV

Lab Course fulfilled by CHE 1020 or CHE 1031 at CCV

- One course in humanities (3 cr)
- One course in communications (3 cr)

AND

Public Outdoor Recreation

- PRT 1 Intro to Recreation and Tourism (3 cr)
- PRT 138 Park & Recreation Design (4 cr)
- PRT 153 Recreation Administration & Operation (3 cr)
- PRT 191 Parks, Rec, & Tourism Practicum (3-6 cr)
- PRT 235 Outdoor Recreation Planning (3 cr)
- PRT 240 Park & Wilderness Management (3 cr)
- PRT 255 Environmental Interpretation (4 cr)
- Additional 3 courses taken from approved list of other PRT courses (9-10 cr)
- Professional electives (0 to 9, depending on what classes a student is allowed to count from CCV)

OR

Private Outdoor Recreation and Tourism

- PRT 1 Introduction to Recreation and Tourism (3 cr)
- PRT 50 Tourism Planning (3 cr)
- PRT 157 Ski Area Management (4 cr)
- PRT 158 Resort Marketing & Management (3 cr)
- PRT 191 Parks, Rec, & Tourism Practicum (3-6 cr)
- PRT 230 Ecotourism (3 cr)
- PRT 258 Entrepreneurship in Recreation and Tourism (3 cr)
- Additional 3 courses taken from approved list of other PRT courses (9-10 cr)
- Professional electives (0 to 9, depending on what classes a student is allowed to count from CCV)

TOTAL CREDITS AT RSENr for B.S. in Parks, Rec & Tourism: 62 to 83 (4 to 5 semesters)

General Requirements for Wildlife and Fisheries Biology (25 to 26 credits)

Assumes students transfer CHE 1020 Intro to Chem, MAT 1531 Calculus, & BIO 1250 Wildlife Ecology at CCV

- BIOL 001 and 002 Principles of Biology (8 cr)
- CHEM 026 Organic Chemistry (4 cr)
- NR 025 Measurements & Mapping (4 cr) or NR 143 Geographic Information Systems (3 cr)
- FOR 121 Forest Ecology Lab (2 cr)
- WFB 161 Fisheries Biology (4 cr)
- WFB 224 Conservation Biology (4 cr)

AND

Requirements for Wildlife Option (25-26 credits)

- FOR 21 Dendro (4 cr)
- WFB 130 Ornithology (3 cr)
- WFB 131 Field Ornithology (2 cr)
- WFB 150 Wildlife Habitat & Pop Measurements (1 cr)
- PBIO 109 Plant Taxonomy (4 cr)
- BIOL 217 Mammalogy (4 cr)
- 2 additional courses from a menu of approved courses with at least one lab (7-8 cr)

OR

Requirements for Fisheries Option (23 to 25 credits)

- WFB 285 Fisheries Management (3 credits)
- WFB 232 Ichthyology (3 credits)
- NR 250 Limno or WFB 280 Stream Ecol (4 credits)
- NR 260/WFB 285 Wetlands (4 credits)
- WFB 279 Marine Ecology (3 credits)

2 additional courses from a menu of approved courses (6 to 8 credits)

TOTAL CREDITS AT RSENr for B.S. in WFB 74 – 84 credits (5 semesters)