

ECOLOGICAL CITIES (ECOC) MINOR

Code	Title	Credits
Required Foundational Courses (6 credit hours)		
LAR 1254	Environment and Natural Systems (Pathways Concept 4 - Reasoning in the Natural Sciences ; Pathways Concept 5 - Quantitative and Computational Thinking)	3
HORT/FREC 2134	Plants and Greenspaces in Urban Communities (Pathways Concept 4 - Reasoning in the Natural Sciences)	3
Subtotal		6
Depth Courses (Select one course from each group - 9 credit hours minimum)		
<i>Ecology and Related Sciences</i>		
BIOL 2804	Ecology *	
BSE 3324	Small Watershed Hydrology *	
ENSC 3134	Soils in the Landscape *	
ENSC 3604	Fundamentals of Environmental Science *	
ENSC 4244	Ecological Restoration *	
FREC 2004	Forest Ecosystems (Pathways Concept 4 - Reasoning in the Natural Sciences)	
FREC 2114	Ecology of Appalachian Forests (Pathways Concept 4 - Reasoning in the Natural Sciences)	
FREC/WATR 3104	Principles of Watershed Hydrology *	
FREC/HORT 3354	Trees in the Built Environment *	
FREC 3954	Study Abroad (with approval; variable) *	
HORT 3454		
<i>Humanities and Social Sciences</i>		
ARCH/SPIA 1044	Life in the Built Environment (Pathways Concept 3 - Reasoning in the Social Sciences Pathways Concept 7 - Critical Analysis of Identity and Equity in the United States)	
ENGL 3534	Literature and the Environment (Pathways Concept 1 - Discourse; or Pathways Concept 2 - Critical Thinking in the Humanities) *	
GEOG/SPIA 2244	Sustainable Urbanization (Pathways Concept 3 - Reasoning in the Social Sciences) *	
GEOG 3244	The U.S. City	
HIST 3144	American Environmental History (Pathways Concept 2 - Critical Thinking in the Humanities ; Pathways Concept 3 - Reasoning in the Social Sciences)	
LAR 3264	People Community and Place (Pathways Concept 3 - Reasoning in the Social Sciences) *	
PSCI/UAP 3344	Global Environmental Issues: Interdisciplinary Perspectives (Pathways Concept 2 - Critical Thinking in the Humanities) *	
SPIA/HNFE 2314	Active Transportation for a Healthy, Sustainable Planet (Pathways Concept 3 - Reasoning in the Social Sciences)	

STS 2454	Science, Technology, and Environment (Pathways Concept 2 - Critical Thinking in the Humanities)	
UAP 3014	Urban Policy and Planning *	
UAP 3354	Introduction to Environmental Policy and Planning	
<i>Design and Practice</i>		
BC 4334	Sustainable Building Performance Management	
BSE 3334	Nonpoint Source Pollution Assessment and Control *	
BSE 4126	Comprehensive Design Project *	
CEE 3274	Introduction to Land Development Design *	
CEE 4264	Sustainable Land Development *	
FREC 4454	Urban and Community Forestry (Pathways Concept 1 - Discourse)	
HORT 4744	Plant Establishment and Environmental Design *	
LAR 4034	Evolution of the American Landscape (Pathways Concept 1 - Discourse ; Pathways Concept 2 - Critical Thinking in the Humanities)	
LAR 4084	Landscape Design and Planning Studio *	
PM 3684	Sustainable Property Management (Pathways Concept 3 - Reasoning in the Social Sciences)	
RED 4604	Environmental and Sustainability Issues in Housing (Pathways Concept 3 - Reasoning in the Social Sciences ; Pathways Concept 7 - Critical Analysis of Identity and Equity in the United States)	
SBIO 3324	Green Building Systems	
UAP 4354	Interdisciplinary Environmental Problem Solving Studio *	
UAP 4394	Community Renewable Energy Systems	
Subtotal		9
Required Capstone Course		
FREC/BSE/HORT/LAR/SPIA 4554	Creating the Ecological City (Pathways Concept 3 - Reasoning in the Social Sciences ; Pathways Concept 6 - Critique and Practice in Design and the Arts) *	3
Total Credits		18

* Some courses in the Minor Requirements listed above may have prerequisites, corequisites, or other registration requirements. Please see the University Course Catalog or Timetable for more information.

Graduation Requirements

Notes for Ecological Cities Pathways Minor:

A minimum of 18 credit hours is required to graduate with an Ecological Cities minor.

- Any course substitutions requests of the courses above must be proposed in writing to the College of Natural Resources and Environment Advising Center in 138 Cheatham Hall.
- A minimum GPA of 2.0 in courses comprising the minor is required to complete the minor.

Steps for completing the Ecological Cities Minor

- Make an advising appointment with the ECOC Minor Coordinator for orientation to the minor.

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2. Declare the Ecological Cities minor at the CNRE Advising Center in 138 Cheatham Hall.
3. Include minor information when updating the application for degree in Hokie Spa.
4. Students cannot graduate until they have either (i) satisfied the requirements for the minor or (ii) withdrawn from the minor by notifying CNRE Advising Center office in 138 Cheatham Hall and revising their DARS.