

ECOLOGY, EVOLUTION, & NATURAL RESOURCES (216): (~96 CREDITS)

CHECK LIST

Please use the following checklist to review your courses but also check on Degree Navigator to ensure all categories are “checked” off. Please contact Dr. Suzanne or Michael Sukhdeo if you have any questions.

GENERAL CORE REQUIREMENTS

General Biology (8-10 credits)		Completed
01:119:115	General Biology I	<input type="checkbox"/>
01:119:116	General Biology II	<input type="checkbox"/>
01:119:117	Biological Research Lab	<input type="checkbox"/>
OR		
01:119:101	General Biology	<input type="checkbox"/>
01:119:102	General Biology	<input type="checkbox"/>

General Chemistry (7 credits)		Completed
01:160:161	General Chemistry	<input type="checkbox"/>
01:160:162	General Chemistry	<input type="checkbox"/>
01:160:171	Introduction to Experimentation	<input type="checkbox"/>

Quantitative Methods (2 courses)		Completed
01:640:135	Calculus I	<input type="checkbox"/>
OR		
01:640:151	Calculus for Mathematical and Physical Sciences	<input type="checkbox"/>
OR		
01:640:250	Introductory Linear Algebra	<input type="checkbox"/>
AND		
01:960:401	Basic Statistics for Research	<input type="checkbox"/>
01:960:211	Statistics I	<input type="checkbox"/>

General Physics (2 courses)		Completed
01:750:193	Physics for the Sciences	<input type="checkbox"/>
01:750:194	Physics for the Sciences	<input type="checkbox"/>
OR		
01:750:201	Extended General Physics	<input type="checkbox"/>
01:750:202	Extended General Physics	<input type="checkbox"/>
OR		
01:750:203	General Physics	<input type="checkbox"/>
01:750:205	General Physics Lab	<input type="checkbox"/>
01:750:204	General Physics	<input type="checkbox"/>
01:750:206	General Physics Lab	<input type="checkbox"/>

Experience-Based Education (3 credits)		Completed
01:090:320	Peer Instructor Education	<input type="checkbox"/>
11:015:497	George H. Cook Scholars Program	<input type="checkbox"/>
11:015:498	George H. Cook Scholars Program	<input type="checkbox"/>
11:216:376	Practicum in Fisheries Management	<input type="checkbox"/>
11:216:377	Practicum in Forest Management	<input type="checkbox"/>
11:216:440	Practical Experience in EENR	<input type="checkbox"/>
11:216:484	Research Experience in EENR	<input type="checkbox"/>
11:902:300	SEBS Internship I	<input type="checkbox"/>
11:902:301	SEBS Internship II	<input type="checkbox"/>
11:902:400	SEBS Co-op	<input type="checkbox"/>
15:255:535	Teaching Internship	<input type="checkbox"/>
05:300:200	Introduction to Education	<input type="checkbox"/>

ECOLOGY, EVOLUTION & NATURAL RESOURCES REQUIREMENTS

Critical Reasoning (1 course)		Completed
11:216:417	Environmental Education	<input type="checkbox"/>
11:374:325	Environmental Communication	<input type="checkbox"/>
01:640:300	Introduction to Mathematical Reasoning	<input type="checkbox"/>
01:730:101	Logic, Reasoning, and Persuasion	<input type="checkbox"/>
01:730:225	Introduction to the Philosophy of Science	<input type="checkbox"/>

Major Requirements (8 courses)		Completed
11:216:104	Topics in Ecology, Evolution, and Natural Resources	<input type="checkbox"/>
11:216:217	Principles of Natural Resource Management	<input type="checkbox"/>
11:216:351	Principles of Ecology	<input type="checkbox"/>
11:216:352	Principles of Ecology Lab	<input type="checkbox"/>
11:216:369	Analytical Methods	<input type="checkbox"/>
11:216:499	Senior Capstone	<input type="checkbox"/>
AND		
11:216:251	Fundamentals of Evolution (*must be taken with 251)	<input type="checkbox"/>
11:216:252	Fundamentals of Evolution Lab (*must be taken with 252)	<input type="checkbox"/>
OR		
11:216:486	Principles of Evolution (*must be taken with 252)	<input type="checkbox"/>
11:216:252	Fundamentals of Evolution Lab (*must be taken with 486)	<input type="checkbox"/>

Biodiversity (2 courses)		Completed
11:216:272	Dendrology	<input type="checkbox"/>
11:216:323	Ornithology	<input type="checkbox"/>
11:216:324	Invertebrate Zoology	<input type="checkbox"/>
11:216:325	Vertebrate Zoology	<input type="checkbox"/>
11:216:411	Plant Diversity & Ecology (*must be taken with 412)	<input type="checkbox"/>
11:216:412	Plant Diversity & Ecology Lab (*411 counted together as 1 course)	<input type="checkbox"/>
11:370:381	Insect Biology	<input type="checkbox"/>
11:370:402	Aquatic Entomology	<input type="checkbox"/>
11:370:409	Insect Classification	<input type="checkbox"/>
11:628:321	Ichthyology	<input type="checkbox"/>
11:680:491	Microbial Ecology and Diversity	<input type="checkbox"/>
11:776:400	Fungi in the Environment	<input type="checkbox"/>

Techniques-Analytical Methods (2 courses)		Completed
11:216:274	Field Techniques	<input type="checkbox"/>
11:216:371	Introductory Remote Sensing Image Analysis	<input type="checkbox"/>
11:216:428	Conversational Mathematical Modeling	<input type="checkbox"/>
11:216:431	Fundamentals of Ecology and Environmental Modelling (odd years)	<input type="checkbox"/>
11:216:450	Landscape Ecology (even years)	<input type="checkbox"/>
11:216:454	Molecular Ecology	<input type="checkbox"/>
11:216:461	Field Ecology	<input type="checkbox"/>
11:216:464	Wildlife Ecology & Conservation	<input type="checkbox"/>
11:216:470	Conservation Techniques	<input type="checkbox"/>
11:216:474	Advanced Remote Sensing	<input type="checkbox"/>
11:216:475	Winter Field Ecology	<input type="checkbox"/>
11:573:232	Fundamentals of Environmental Geomatics (*must be taken with 233)	<input type="checkbox"/>
11:573:233	Fundamentals of Environmental Geomatics Lab (*must be taken with 232)	<input type="checkbox"/>

Functional Systems (1 course)		Completed
11:216:302	Parasite Ecology	<input type="checkbox"/>
11:216:317	Conservation Ecology	<input type="checkbox"/>
11:216:332	Plant Ecology	<input type="checkbox"/>
11:216:335	Limnology	<input type="checkbox"/>
11:216:360	Animal Physiological Ecology	<input type="checkbox"/>
11:216:421	Wetland Ecology	<input type="checkbox"/>
11:216:450	Landscape Ecology	<input type="checkbox"/>
11:216:321	Global Change and Ecology	<input type="checkbox"/>
11:216:491	Wildlife Ecology and Conservation	<input type="checkbox"/>
11:216:400	Wildlife Diseases	<input type="checkbox"/>
11:216:487	Urban Ecology	<input type="checkbox"/>
11:628:320	Dynamics of Marine Systems	<input type="checkbox"/>

Additional Courses: Accepted 216 Electives (5 courses)**		Completed
11:216:101	Introduction to Ecology & Evolution	<input type="checkbox"/>
11:216:110	Evolution, Disease & Medicine	<input type="checkbox"/>
11:216:211	The Natural Resource Professions	<input type="checkbox"/>
11:216:240	Behavioral Biology	<input type="checkbox"/>
11:216:269	Evolution of Animal Behavior	<input type="checkbox"/>
11:216:272	Dendrology	<input type="checkbox"/>
11:216:274	Field Techniques	<input type="checkbox"/>
11:216:302	Parasite Ecology	<input type="checkbox"/>
11:216:317	Conservation Ecology	<input type="checkbox"/>
11:216:320	Sustainable Environmental Management	<input type="checkbox"/>
11:216:323	Ornithology	<input type="checkbox"/>
11:216:324	Invertebrate Zoology	<input type="checkbox"/>
11:216:325	Vertebrate Zoology	<input type="checkbox"/>
11:216:332	Plant Ecology	<input type="checkbox"/>
11:216:335	Limnology	<input type="checkbox"/>
11:216:360	Animal Physiological Ecology	<input type="checkbox"/>
11:216:365	Arboriculture (even years)	<input type="checkbox"/>
11:216:371	Introductory Remote Sensing Image Analysis	<input type="checkbox"/>
11:216:401	Evolution of Eukaryotes	<input type="checkbox"/>
11:216:403	Urban Forestry	<input type="checkbox"/>
11:216:405	Evolution of Infectious Diseases	<input type="checkbox"/>
11:216:411	Plant Diversity & Ecology (*must be taken with 412)	<input type="checkbox"/>
11:216:412	Plant Diversity & Ecology Lab (*411 counted together as 1 course)	<input type="checkbox"/>
11:216:416	Environmental Education	<input type="checkbox"/>
11:216:421	Wetland Ecology (odd years)	<input type="checkbox"/>
11:216:428	Conversational Mathematical Modeling	<input type="checkbox"/>
11:216:431	Fundamentals of Ecology and Environmental Modelling (odd years)	<input type="checkbox"/>
11:216:441	Animal Behavior	<input type="checkbox"/>
11:216:450	Landscape Ecology (even years)	<input type="checkbox"/>
11:216:451	Global Change Ecology (even years)	<input type="checkbox"/>
11:216:454	Molecular Ecology	<input type="checkbox"/>
11:216:456	Trees & The Environment (even years)	<input type="checkbox"/>
11:216:464	Wildlife Ecology & Conservation	<input type="checkbox"/>
11:216:474	Advanced Remote Sensing	<input type="checkbox"/>
11:216:468	China and its Environment	<input type="checkbox"/>
11:216:486	Principles of Evolution (*must be taken with 252)	<input type="checkbox"/>
11:216:252	Fundamentals of Evolution Lab (*must be taken with 486)	<input type="checkbox"/>
11:216:487	Urban Ecology	<input type="checkbox"/>
11:216:488	Restoration Ecology	<input type="checkbox"/>

Additional Courses: Approved non-216 Electives		Completed
01:160:209	Elementary Organic Chemistry	<input type="checkbox"/>
01:160:211	Elementary Organic Chemistry Lab	<input type="checkbox"/>
01:160:307	Organic Chemistry	<input type="checkbox"/>
01:160:308	Organic Chemistry	<input type="checkbox"/>
01:160:311	Organic Chemistry Lab	<input type="checkbox"/>
01:447:380	Genetics	<input type="checkbox"/>
01:447:382	Genetics Lab	<input type="checkbox"/>
01:460:101	Introductory Geology	<input type="checkbox"/>
01:640:136	Calculus II	<input type="checkbox"/>
01:640:138	Calculus II for the Biological Sciences	<input type="checkbox"/>
11:115:301	Introductory Biochemistry	<input type="checkbox"/>
11:115:313	Introductory Biochemistry Lab	<input type="checkbox"/>
11:370:202	The World of Insects	<input type="checkbox"/>
11:370:308	Apiculture	<input type="checkbox"/>
11:370:381	Insect Biology	<input type="checkbox"/>
11:370:402	Aquatic Entomology	<input type="checkbox"/>
11:370:404	Insect Structure and Function II	<input type="checkbox"/>
11:370:409	Insect Classification	<input type="checkbox"/>
11:370:430	Urban Entomology	<input type="checkbox"/>
11:573:231	Fundamentals of Environmental Planning	<input type="checkbox"/>
11:573:232	Fundamentals of Environmental Geomatics	<input type="checkbox"/>
11:573:233	Fundamentals of Environmental Geomatics Lab	<input type="checkbox"/>
11:573:362	Intermediate Environmental Geomatics	<input type="checkbox"/>
11:573:462	Advanced Geomatics	<input type="checkbox"/>
11:375:360	Soils and Water	<input type="checkbox"/>
11:375:407	Environmental Toxicology	<input type="checkbox"/>
11:375:411	Environmental Microbiology	<input type="checkbox"/>
11:375:421	Principle of Air Pollution	<input type="checkbox"/>
11:375:444	Water Chemistry	<input type="checkbox"/>
11:375: 453	Soil Ecology	<input type="checkbox"/>
11:628:342	Marine Conservation	<input type="checkbox"/>
11:670:201	Elements of Meteorology	<input type="checkbox"/>
11:670:202	Elements of Climate	<input type="checkbox"/>
11:670:491	Microbial Ecology & Diversity	<input type="checkbox"/>
11:776:210	Principles of Botany	<input type="checkbox"/>
11:776:305	Plant Genetics	<input type="checkbox"/>
11:776:382	Plant Physiology	<input type="checkbox"/>

** Courses are subject to change as courses are added or dropped and THIS IS NOT A COMPLETE LIST!