

Environmental Sciences: Guide for Oxford students**FOUNDATION COURSES AVAILABLE AT OXFORD for BA or BS in****Environmental Sciences in Emory College** **ENVS_OX 131: Introduction to Environmental Studies**

The Emory College equivalent is ENVS 130: Environmental Sciences **and**
ENVS 131: Intro to ENVS Field Studies.

 QTM_OX 100: Introduction to Statistical Inference with Lab OR beginning in fall 2017, **MATH_OX 117: Introduction to Probability & Statistics with Inference**

· either of these courses will count as the required pre-requisite for the ENVS foundation course ENVS 260: Quantitative Methods in ENVS

ENVS Intermediate Breadth Area Courses—ECOLOGY & CONSERVATION

- BIOL_OX 135: Plants and Society with Lab
- BIOL_OX 235: Field Botany with Lab
- BIOL_OX 242: Zoology: Animal Diversity & Physiology
- BIOL_OX 245: Freshwater Ecology with Lab

ENVS Intermediate Breadth Area Courses—EARTH & ATMOSPHERIC SCIENCES

- ENVS_OX 222: Evolution of the Earth with Lab (formerly GEOL_OX 142)
- ENVS_OX 230: Fundamentals of Geology with Lab (formerly GEOL_OX 141)
- GEOL_OX 115: Meteorology & Climatology w/lab
- GEOL_OX 220N: Modern & Ancient Tropical Environment Field
- GEOL_OX 250: Mineral Resources, Energy & Power w/Lab

ENVS Intermediate Breadth Area Courses—SOCIAL SCIENCE & POLICY

- SOC_OX 215N: Social Problems

UPPER LEVEL ELECTIVES: Any 200 level courses listed above that are **NOT** used to fulfill an Intermediate Breadth Area requirement, may be used to satisfy upper level elective credits in ENVS.

FIELD/LAB Course Requirement: Any course listed above that includes a field or lab component, may be used to satisfy the field/lab two-course requirement.

COURSE SUBSTITUTION: Courses not listed here, but having a relevant link to environmental sciences, may be considered as part of your degree. Please contact the ENVS undergraduate programs administrator for more information.

Additional Requirements for the B.S. degree in Environmental Sciences

The B.S. in ENVS degree requires **five** courses in natural sciences and mathematics from the courses listed below—students must take courses in all **three** categories:

<u>Math/Computer Science</u>	<u>Biology/Physics</u>	<u>Chemistry</u>
MATH 111: Calculus I MATH 112: Calculus II MATH 115: Life Sciences Calculus I MATH 116: Life Sciences Calculus II CS 170: Introduction to Computer Science I	BIOL 141/141L: Foundations of Modern Biology & Lab BIOL 142/142L: Foundations of Modern Biology II & Lab PHYS 141: Introduction to Physics I & Lab PHYS 142: Introduction to Physics II & Lab PHYS 151: Physics for Science & Engineering w/Lab PHYS 152: Physics for Science & Engineering II w/Lab	CHEM 150/150L: Structure & Properties w/Lab CHEM 202/202L: Principles of Reactivity & Lab CHEM 221/221L: Organic Chemistry I CHEM 222/222L: Organic Chemistry II

Oxford courses that fulfill these B.S. degree requirements are listed in the following table:

<u>Math/Computer Science</u>	<u>Biology/Physics</u>	<u>Chemistry</u>
MATH 111_OX: Calculus I MATH 112_OX: Calculus II CS 170_OX: Introduction to Computer Science I	BIOL_OX 141/141L: Cell Biology & Genetics w/Lab BIOL_OX 142/142L: Advanced Topics in Molecular Biology w/Lab PHYS 141_OX: Introduction to Physics I & Lab PHYS 142_OX: Introduction to Physics II & Lab PHYS 151_OX: General Physics: Mechanics w/Lab PHYS 152_OX: General Physics: Electricity & Magnetism w/Lab	CHEM _OX 150/150L: Structure & Properties w/Lab CHEM_OX 202/202L: Principles of Reactivity & Lab CHEM_OX 221/221L: Organic Chemistry I CHEM_OX 222/222L: Organic Chemistry II (CHEM_OX 141 & CHEM_OX 142 will also count toward the B.S. course requirements)