

EUGENE LANG COLLEGE  
PROGRAM REQUIREMENT EVALUATION

INTERDISCIPLINARY SCIENCE MAJOR <http://www.newschool.edu/lang/subpage.aspx?id=596>

UPON DECLARING, SUBMIT MAJOR/ MINOR STATEMENT to FACULTY ADVISOR

STUDENT NAME \_\_\_\_\_ ID \_\_\_\_\_ DATE \_\_\_\_\_

DEGREE  B.A.  B.A./B.F.A.. DEPARTMENT: \_\_\_\_\_

EXPECTED GRADUATION DATE: \_\_\_\_\_ ADVISOR \_\_\_\_\_

**REQUIRED**

**SEMESTER/YEAR (TO BE) COMPLETED**

- LSCI 2700 ENERGY AND SUSTAINABILITY (SPRING)  \_\_\_\_\_  
LMTH 2050 MATH MODELS IN NATURE (SPRING)  \_\_\_\_\_  
LSCI 2500 CHEM OF ENVIRONMENT (FALL)  \_\_\_\_\_  
LSCI 2040 GENES, ENVIRONMENT & BEHAVIOR (SPRING)  \_\_\_\_\_  
LSCI 3020 METHODS OF SCIENTIFIC INQUIRY  \_\_\_\_\_  
(FOR METHODS, CONSULT WITH FACULTY ADVISOR FROM THE DEPARTMENT, LSCI 3031 CHEM OF ATMOSPHERE CAN COUNT IN SOME CASES)

**TWO(2) FOUNDATION COURSES (FROM THE COURSES BELOW)**

- LSCI 2037 FOUNDATIONS IN PHYSICS (FALL/SPRING)  \_\_\_\_\_  
LSCI 2300 URBAN ENVIRONMENTAL HEALTH (FALL)  \_\_\_\_\_  
LSCI 2840 SCIENCE AND POLITICS OF INFECTIOUS DISEASES (SPRING)  \_\_\_\_\_  
UENV 2400 URBAN ECOLOGY (FALL/SPRING)  \_\_\_\_\_  
LSCI 2310 INTRO TO EPIDEMIOLOGY IN ACTION (SPRING)  \_\_\_\_\_  
(EPIDEMIOLOGY IS NO LONGER OFFERED AT THE INTRO LEVEL STARTING IN 2017)

**ONE (1) ADDITIONAL MATHEMATICS COURSE (FROM THE COURSES BELOW)**

(CONSULT WITH FACULTY ADVISOR FROM THE DEPARTMENT)

- LMTH 2040 CALCULUS I (SPRING FALL)  \_\_\_\_\_  
LMTH 2045 CALCULUS II (SPRING FALL)  \_\_\_\_\_  
LMTH 2030 STATISTICS WITH SPSS (SPRING/FALL)  \_\_\_\_\_

**ONE (1) LABORATORY SCIENCE COURSE (FROM THE COURSES BELOW-ALL HAVE A FOUNDATION PREREQ)**

- LSCI 3030 BIODIVERSITY ACHIEVED LAB (6 CREDITS; PREREQ LSCI 2040)  \_\_\_\_\_ (ALTERNATE YEARS/F2017)  
LSCI 3029 WATER QUALITY LAB (4 CREDITS; PREREQ LSCI 2500)  \_\_\_\_\_ (ALTERNATE YEARS/S2019)  
UENV3450 ECOLOGY LAB (4 CREDITS; PREREQ LSCI2040 OR UENV2400)  \_\_\_\_\_ (NEXT OFFERING S2019)

**TWO (2) INTERMEDIATE/ADVANCED LEVEL COURSES (PRE-REQUISITES REQUIRED, OFFERED ALTERNATE YEARS)**

- LSCI 3031 CHEMISTRY OF ATMOSPHERE (NOT AFTER S2017)  \_\_\_\_\_  
LSCI 3400 GENOMES, POPULATIONS AND IDENTITIES  \_\_\_\_\_  
LSCI 3xxx CLIMATE CHANGE AND GLOBAL HEALTH (PRIOR TO 2016)  \_\_\_\_\_  
OR OTHER 3000 LEVEL LSCI OR LMTH LEVEL COURSES THAT HAVE PREREQUISITES

**ONE (1) ADDITIONAL ADVANCED LEVEL COURSE (LSCI 4000 AND ABOVE, PRE-REQUISITES REQUIRED SELECTED UNDER CONSULTATION WITH FACULTY ADVISOR FROM DEPARTMENT)**

- LSCI 4900 IS CAPSTONE: PLANETARY HEALTH  \_\_\_\_\_

**ONE (1) ELECTIVE COURSE: LSCI, LMTH, OR UENV COURSE THAT HAS NOT BEEN APPLIED TOWARDS SATISFYING ANY OF THE ABOVE REQUIREMENTS. SELECTED UNDER CONSULTATION WITH FACULTY ADVISOR FROM THE DEPARTMENT. NOTE : THE FOLLOWING COURSES DO NOT SATISFY THE ADDITIONAL ELECTIVE REQUIREMENT: QUANTITATIVE REASONING I; PRE-CALCULUS, AND STATISTICS FOR THE SOCIAL SCIENCES. FIRST YEAR COURSES AND HISTORY OR PHILOSOPHY COURSES CAN COUNT IN SOME CASES (CONSULT WITH FACULTY ADVISOR FROM THE DEPARTMENT)**  \_\_\_\_\_

INTERNSHIP (RECOMMENDED)  \_\_\_\_\_

SCIENCE FELLOWS (OPTIONAL : MERIT BASED)  \_\_\_\_\_

TOTAL LANG CREDITS \_\_\_\_\_ (88 total credits or \_\_\_\_\_ credits if transfer) TOTAL CREDITS \_\_\_\_\_ (BA 120 total credits; BAFA 180 total credits)

\_\_\_\_\_  
Advisor's Signature

\_\_\_\_\_  
Date

Students who choose to major in IS should consider the ways in which their academic and experiential work lead to a focus in environmental health, public or planetary health, climate change, science education, or other areas of interest. Upon declaring the Major/Minor, student should review the guidelines for writing a Major/Minor statement and submit a statement outlining their goals for the academic course of study. This statement should be submitted to their faculty advisor in the department and be revisited and revised each year with this advisor.

More advising documents are available in the shared google drive:

<https://drive.google.com/a/newschool.edu/?tab=mo - folders/0B3VweBRPZHViQ0Vjd2czcm52ZnM>

The template below is not written in stone, but rather suggests a useful sequence in which to complete the requirements for this program. Students declare their major at various points, but we recommend that when you declare, you review this chart, submit a MAJORS/MINOR statement, and schedule an advising appointment with a faculty member of the Interdisciplinary Science Program so that advising can be personalized and appropriate to your interests and post-graduate plans.

Note: that because students' schedules vary, the highlighted courses below are more than the 13 required as some students will complete them earlier and others in later semesters, but we do advise that all 2000 level course be taken early on if possible.

Because we aim to teach students science at different levels of scale, we recommend that the Two Foundations Courses span TWO scientific discipline (biology, chemistry, epidemiology, and physics).

**For MAJORS: Generic Sample Interdisciplinary Course Menu**

	<b>FALL</b>	<b>SPRING</b>
<b>YEAR 1</b>	First-year Seminar (can count towards IS elective in some cases) Writing 1 Course	IS Elective Energy and Sustainability Writing 2 Course
<b>YEAR 2</b>	Chemistry of the Environment University Lecture Course	Genes Environment and Behavior Mathematical Models in Nature
<b>YEAR 3</b>	IS Foundation Course Second Math Course IS Internship	IS Intermediate Course IS Foundation Course or Lab Course University Lecture Course
<b>YEAR 4</b>	Methods of Sci Inquiry/Chem of Atm IS Intermediate/Advanced Course or Lab Course	IS Capstone: Planetary Health IS Elective, Intermediate or Lab Course

**For MINORS: Generic Sample Interdisciplinary Course Menu**

LSCI 2700 Energy and Sustainability

One Mathematics Course (Pre Calculus and QR I do not count towards the Minor)

One Lab Course (note that these have prerequisites that are Foundations courses)

Two Foundations (across any two following disciplines; biology, chemistry, ecology, epidemiology, physics)

\*\*\*\* all students must receive a C or higher in all courses that meet the requirements of the major/minor