

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) _____
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) _____
LSCI 4503 INTRO TO EPIDEMIOLOGY: CASE STUDIES IN GLOBAL HEALTH _____
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

	FALL	SPRING
YEAR 1	First-year Seminar (can count towards IS elective in some cases) Writing 1 Course	IS Elective Energy and Sustainability Writing 2 Course
YEAR 2	Chemistry of the Environment University Lecture Course	Genes Environment and Behavior Mathematical Models in Nature
YEAR 3	IS Foundation Course Second Math Course IS Internship	IS Intermediate Course IS Foundation Course or Lab Course University Lecture Course
YEAR 4	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, epidemiology, physics)

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