Environmental Studies/Policy Major Requirements for Students in the Pre-Professional Architecture Program

Major Requirements for Architecture Students declaring the major in Fall Semester 2013 & Beyond

As indicated below, up to 2 Visual Arts courses can count toward the 12 course environmental studies major for students in the Pre-Professional Architecture Program.

1. One course in introductory environmental studies.
   ENVP 2000 - Introduction to Environmental Policy (offered every spring semester at Rose Hill),
   or ENST 1000 - Introduction to Environmental Studies (offered every spring semester at Rose Hill)

2-4. Three of the following natural science courses, at least 1 of which should be a physical science and 1 a life science:
   BISC 1002 - Ecology: A Human Approach (R) or NSCI 1040 - People and the Living Environment (L)
   BISC 2561 - Ecology (R) (students must fulfill prerequisites for this course)
   CHEM 1109 - Chemistry of the Environment (R)
   ENVS 1000 - Introduction to Environmental Science (R, L) (students must fulfill prerequisites for this course)
   NSCI 1020 - Physical Sciences in Today's World (L)
   NSCI 2010 - Global Ecology (L) (students must fulfill prerequisites for this course)
   NSCI 2060 - Environment: Science, Law & Policy (L)
   PHYS 1203 - Environmental Physics (R)

5. One course in introductory economics.
   ECON 1200 - Basic Microeconomics (R, L), or alternatively ECON 1100 - Basic Macroeconomics (R, L)

6. One course in social science statistics.
   ECON 2140 - Statistics (R, L)
   PSYC 2000 - Statistics (R, L)
   SOCI 2606 - Social Science Statistics (R, L)
   SSCI 2606 - Social Science Statistics (L)

7. One course in environmental history and culture.
   HIST 3990 - North American Environmental History (R, L), or one of the following courses:
   ANTH 3373 - Environmental and Human Survival (R)
   COMM 4705 - Special Topics: Culture, Media and the Environment (R) (only this particular section of COMM 4705 counts to the major)
   HIST 3629 - Maritime Cities (L)
   HIST 3772 - Hudson River (R, L)
   HIST 3992 - Capitalism (R, L)
   HIST 3993 - Environmental History: NYC (L, R)
   HIST 4780 - History of Capitalism (R)
   HIST 4990 - History of Climate Change (R)
   SOCI 3145 - Environment, Technology and Society (L, R)

8. One course in environmental economics.
   ECON 3850 - Environmental Economics (R, L), or one of the following courses:
   ECON 3385 - Economics of Energy (L)
   HIST 3992 - Capitalism (R, L)
   HIST 4780 - History of Capitalism (R)

9. One course in environmental politics and law.
   POSC 2507/3307 - Environmental Politics (R, L), or one of the following courses:
   NSCI 2060 - Environment: Science, Law, and Policy (L)
   POSC 3131 - Politics of Urban Health and Environment (R)

10. One course in environmental ethics and justice.
    PHIL 4302 - Environmental Policy and Ethics (R), PHIL 3109 - Environmental Ethics (R, L), PHIL 3712 - Global Environment and Justice (L, R), or one of the following courses:
    MLAL 4002 - Animal Rights Literature & Film (R)
    PHIL 3722 - Native American Philosophy (R)
    PHIL 3962 - Sustainability & Process (R)
    THEO 4008 - Religion and Ecology (R)
11. One course in sustainable design. VART 2055-Environmental Design, except that in some cases, with the program director's permission, one of the following courses may be substituted:

VART 2050-Designing the City (R, L)
VART 2085-Sustainable New York (R, L)
VART 2051-Introduction to Urban Design Analysis (R, L)
VART 3055-Ecology for Designers (R, L)
ARHI 2555-Art and Ecology (R)

Students in the Architecture Program can use these courses toward the Architecture Program (VART 2050, 2051 or 3055 are recommended), and should also take a design methods course: VART 1150-Drawing I (R), VART 1151-Line Shape Concept (L), VART 1160-Architectural Language (R), or VART 1161-Form & Space (L).

12. ENVP 4000-Research Seminar or ENST 4000-Senior Thesis

Students in the Architecture Program may instead use VART 4090-Senior Project with the permission of the environmental policy program director.

Major Requirements for Architecture Students declaring the major prior to Fall Semester 2013

As indicated below, up to 4 Visual Arts courses can count toward the 14 course environmental policy major for students in the Pre-Professional Architecture Program.

1. One course in introduction to environmental policy. ENVP 2000-Introduction to Environmental Policy

2. One course in environmental chemistry or physics, or earth science. CHEM 1109-Chemistry of the Environment (R) ENVS 1000-Introduction to Environmental Science (R, L) NSCI 1020-Physical Sciences in Today's World (L) PHYS 1203-Environmental Physics (R)

3. One course in ecology. BISC 1002-Ecology: A Human Approach (R) BISC 2561-Ecology (R) NSCI 1040-People and the Living Environment (L) NSCI 2010-Global Ecology (L)

4. One course in introductory economics. ECON 1100-Basic Macroeconomics (R, L) ECON 1200-Basic Microeconomics (R, L)

5. One course in statistical analysis. ECON 2140-Statistics (R, L) PSYC 2000-Statistics (R, L) SOCI 2690-Urban Research Methods (R) SSCI 2606-Social Science Statistics (L)

6. One course in computer science. CISC 2500-Information and Data Management (R, L) Students in the Architecture Program should instead take VART 3250-Design and the Web or VART 2003-Intro to Digital Tools (R, L).

7. One course in mathematics. MATH 1203-Applied Calculus I (R, L) MATH 1206-Calculus I (R, L) Students in the Architecture Program should take MATH 1203.

8. One course in environmental history, anthropology, or culture. HIST 3990-North American Environmental History (R, L), or one of the following courses:

ANTH 3373-Environmental and Human Survival (R)
COMM 4705-Special Topics: Culture, Media and the Environment (R) (only this particular section of COMM 4705 counts to the major)
HIST 3629-Maritime Cities (L)
HIST 3772-Hudson River (R, L) HIST 3992-Capitalism (R, L) HIST 3993-Environmental History: NYC (L, R) HIST 4780-History of Capitalism (R) HIST 4990-History of Climate Change (R) SOCI 3145-Environment, Technology and Society (L, R)
9. One course in environmental economics.
   ECON 3850-Environmental Economics (R, L), or one of the following courses:
   ECON 3385-Economics of Energy (L)
   HIST 3992-Capitalism (R, L)
   HIST 4780-History of Capitalism (R)
   MGBU 3430-Sustainable Business

10. One course in environmental politics and law.
    POSC 2507-Environmental Politics (R, L), or one of the following courses:
    NSCI 2060-Environment: Science, Law, and Policy (L)
    POSC 3131-Politics of Urban Health and Environment (R)

11. One course in environmental ethics.
    PHIL 3109-Environmental Ethics (R, L), PHIL 4302-Environmental Policy and Ethics (R), PHIL 3712-Global Environment and Justice (L, R), or one of the following courses:
    ENGL 2000-Texts and Contexts: American Environmental Justice (L) (only this particular section of ENGL 2000 counts to the major)
    MLAL 4002-Animal Rights Literature & Film (R)
    PHIL 3722-Native American Philosophy (R)
    PHIL 3962-Sustainability & Process (R)
    THEO 4008-Religion and Ecology (R)

12. One course in environmental design or art.
    ARHI 2555-Art and Ecology (R)
    VART 2050-Designing the City (R, L)
    VART 2051-Introduction to Urban Design Analysis (R, L)
    VART 2055-Environmental Design (R, L)
    VART 2085-Sustainable New York (R, L)
    VART 3055-Ecology for Designers (L)
    Students in the Architecture Program can use these courses toward the Architecture Program (VART 2050, 2051 or 3055 are recommended), and should also take a design methods course: VART 1150-Drawing I (R), VART 1151-Line Shape Concept (L), VART 1160-Architectural Language (R, L), or VART 1161-Form & Space (L).

13. One elective concentration course.
    This course allows students to develop a Concentration in a particular environmental policy area, and should be chosen from either the above course lists (excluding lists under requirements #3 to 6) or the following list.
    ANTH 3375-Ecotourism in Anthropology (R)
    ANTH 3722-Primate Ecology (R)
    BISC 3405-Plant Biology (R)
    BISC 3643-Microbiology (R)
    BISC 4401-Tropical Ecology (R)
    BISC 4642-Animal Behavior (R)
    BISC 4601-Marine Biology (R)
    COMM 3085-Science Journalism (L)
    HIST 3991-The American Indians (R, L)
    VART 3070-Architectural Design (R, L)
    Students in the Architecture Program should take VART 3070. Students interested in Landscape Architecture may substitute two landscape design courses offered by The New York Botanical Garden School of Professional Horticulture for one Fordham VART course.

14. ENVP 4000-Research Seminar (Thesis or Internship)
    Students in the Architecture Program may instead use VART 4090-Senior Project with the permission of the environmental policy program director.