

# Programs of Study Offered at NWIC

## BACHELOR OF SCIENCE DEGREE NATIVE ENVIRONMENTAL SCIENCE

### \*REVISED 06.01.2011\*

The Bachelor of Science in Native Environmental Science degree is intended to meet the critical need for effective Native American leaders and environmental scientists who are rooted in their culture. This program will emphasize and explore the interrelatedness of Native ways of knowing, traditional ecological knowledge and Western science. Prominent aspects of the program include hands-on learning and the involvement of students in community service, research and internships. The program will prepare graduates to work within tribal communities in support of environmental stewardship, conservation and revitalization. This program was designed with considerable input from Pacific Northwest Tribal elders, leaders, environmental managers, educators and students. Students may choose between the Environmental Science Option and the Interdisciplinary Concentration. Students must complete at least 60 credits at the 300-499 level.

### ENVIRONMENTAL SCIENCE OPTION

The Environmental Science option is intended for students interested in pursuing careers in the fields of biology or environmental science using the tools of western science. Students completing this option may also be interested in pursuing graduate studies in environmental science. The Environmental Science option consists of 56 credits, 35 credits of which are required courses and 21 elective credits.

### PREREQUISITE REQUIREMENTS

Students are expected to complete the AAS in Native Environmental Science degree or a program satisfying the Direct Transfer Agreement (DTA) requirements at NWIC or another college or university totaling 90 credits with the following courses or their equivalents as the foundation for junior standing in Native Environmental Science:

CHEM 111	Inorganic Chemistry, or CHEM 121	5
CHEM 112	Organic Chemistry	5
CHEM 113	Biochemistry	5
GEOL 101	Introduction to Geology, or 111 (101 suggested for environmental science option)	5
MATH 102	College Algebra	5
MATH 107	Elementary Statistics I	5
POLS 225	History of Federal Indian Policy	5

**TOTAL PREREQUISITE COURSE REQUIREMENTS 35**

**TOTAL PREREQUISITE REQUIREMENTS (Including other DTA requirements) 90**

### NATIVE ENVIRONMENTAL SCIENCE CORE REQUIREMENTS – Must be taken at NWIC

NESC 301	The Ecology of the First People	3
NESC 310	Native Science	5
NESC 393A-C	Native Environmental Science Seminar III (1 credit per quarter for 3 quarters)	3
NESC 493A-C	Native Environmental Science Seminar IV (1 credit per quarter for 3 quarters)	3
NESC 497	Internship in Native Environmental Science	5
NESC 499A	Native Environmental Science Capstone Project (taken during the junior year)	5
NESC 499B	Native Environmental Science Capstone Project (taken during the senior year)	5
POLS 319	From the Beginning of Time: Native American Fishing Rights	5

**TOTAL NATIVE ENVIRONMENTAL SCIENCE CORE REQUIREMENTS 34**

### ENVIRONMENTAL SCIENCE OPTION REQUIRED COURSES

BIOL 201	Cell Biology	5
BIOL 202	Plant Biology	5
BIOL 203	Animal Biology	5
BIOL 310	Ecology	5
MATH 210	Biostatistics	5

and

### A COMBINATION OF TWO OF THE THREE FOLLOWING COURSES:

ENVS 430 OR ENVS 440 OR ENVS 481	Aquatic Ecology, OR Ecology of the Salish Sea, OR Ecophysiology	5 each
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**TOTAL ENVIRONMENTAL SCIENCE OPTION REQUIRED COURSES 35**

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