PROGRAM REVISION FORM

Program Title: Native Environmental Science
Program Type: _X_ BS__AAS __AAS-T __AST _ __ATA ___Certificate ___Other

Revised Catalog Description (one paragraph):
Unchanged – see attached

Requested by: Brian Compton _____ **Date: May 27, 2014**

Dean of Academics: _____**Date:** _____

**** Attach copy of program description as in current catalog***

**** Attach copy of revised program, marking changes. New courses must be approved prior to approval of revised program.***

Rationale for Changes: Incorporation of four year nad transfer alternatives to bring BSNES into alignment with other bachelor's programs. Revision also updates sone text, as indicated by yellow highlight in attached catalog description.

FORM MUST BE ACCOMPANIED BY PROGRAM OUTCOMES

Approval Signatures:

_____ _____
Curriculum Committee Chair ***Date***

_____ _____
Vice President for Instruction and Student Services ***Date***

BACHELOR OF SCIENCE

NATIVE ENVIRONMENTAL SCIENCE

*Proposal to include 4 year and Transfer alternatives for BSNES vetting – **DRAFT***

The Bachelor of Science in Native Environmental Science 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 Option. 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.

FOUR YEAR ALTERNATIVE

This alternative is for students who have not earned an approved Associate in Arts and Sciences or the equivalent.

NORTHWEST INDIAN COLLEGE REQUIREMENTS

CMPS 101	Introduction to Computers, or above	3
HMDV 110	Introduction to Successful Learning	4
CMST 101 or CMST 210 or CMST 220	Intro to Oral Communication, or Interpersonal Communications, or Public Speaking	4
TOTAL NORTHWEST INDIAN COLLEGE REQUIREMENTS		**11**

NORTHWEST INDIAN COLLEGE FOUNDATIONAL REQUIREMENTS

CSOV 101	Introduction to Cultural Sovereignty (HT)	5
CSOV 102	The Language of Our Ancestors (HT) or approved Native language courses[1]	5
CSOV 120	Reclaiming Our History (SS)	5
CSOV 130	Icons of Our Past (HT)	5
ECON 250	Subsistence Economies: Restoring Prosperity (SS)	5
EDUC 202	The Tide Has Changed: Educating Our Own (SS)	5
POLS 225	History of Federal Indian Policy (SS)	5
TOTAL NORTHWEST INDIAN FOUNDATIONAL REQUIREMENTS		**35**

[1] One or more Native language courses totaling at least 5 credits. Consult with an advisor regarding satisfying general education requirements. Requires approval by the Dean of Academics and Distance Learning.

GENERAL EDUCATION REQUIREMENTS

ENGL 101	English Composition I (CS)	5
ENGL 202 or ENGL 102	Technical Writing or English Composition II (CS)	5
Quantitative Skills 5 credit requirement – met in Prerequisite Requirements		0
Humanities Distribution 15 credit requirement - met in Foundational Requirements		0
Social Sciences Distribution 15 credit requirement - met in Foundational Requirements		0
Natural Sciences Distribution 15 credit requirement - met in Prerequisite Requirements		0
TOTAL GENERAL EDUCATION REQUIREMENTS		**10**

PREREQUISITE REQUIREMENTS

Students are expected to complete the prerequisite courses as preparation for the Native Environmental Science core and required courses.

CHEM 111	Inorganic Chemistry, or CHEM 121	5
CHEM 112	Organic Chemistry	5
CHEM 113	Biochemistry	5
GEOL 101	Introduction to Geology, or GEOL 111	5
MATH 102	College Algebra, or MATH 103, MATH 105, or MATH 124	5
MATH 107	Elementary Statistics I	5
TOTAL PREREQUISITE COURSE REQUIREMENTS		**30**

NATIVE ENVIRONMENTAL SCIENCE CORE REQUIREMENTS – Must be taken at NWIC

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		**31**

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	10 (5 each)

TOTAL ENVIRONMENTAL SCIENCE OPTION REQUIRED COURSES **35**

ELECTIVES **28**

~~Choose electives from BIOL, BUAD, CHEM, CMPS, COMH, ECON, ENVS, GEOG, GEOL, MATH, NASD, NESC, PHYS, or POLS subject codes.~~ Choose electives in consultation with a faculty advisor. A minimum of 19 elective credits must be at the 300-499 level. A maximum of 10 elective credits may be taken through individualized studies coursework (courses numbered 189, 289, 389, or 489) following the Native Environmental Sciences individualized studies course guidelines.

TOTAL DEGREE REQUIREMENTS, ENVIRONMENTAL SCIENCE OPTION, FOUR YEAR ALTERNATIVE **180**

TRANSFER ALTERNATIVE

This alternative is for students who have earned an approved Associate in Arts and Sciences or the equivalent. Students who have completed another type of associate's degree should consult with an advisor about the transfer alternative. Transfer students may apply 90 credits from an approved transfer degree toward completion of the requirements for completion of the Bachelor of Science in Native Environmental Science. The following describes the coursework for the remaining 90 credits required for completion of the Environmental Science Option of the Bachelor of Science in Native Environmental Science.

TRANSFER CREDITS

Transfer credits	90

TOTAL TRANSFER CREDITS **90**

PREREQUISITE REQUIREMENTS

Students are expected to complete the prerequisite courses as preparation for the Native Environmental Science core and required courses.

CHEM 111	Inorganic Chemistry, or CHEM 121	5
CHEM 112	Organic Chemistry	5
CHEM 113	Biochemistry	5
GEOL 101	Introduction to Geology, or GEOL 111	5
MATH 102	College Algebra, or MATH 103, MATH 105, or MATH 124	5
MATH 107	Elementary Statistics I	5

TOTAL PREREQUISITE COURSE REQUIREMENTS **30**

NATIVE ENVIRONMENTAL SCIENCE CORE REQUIREMENTS – Must be taken at NWIC

CSOV 300	Cultural Sovereignty Transfer Seminar	5
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 **36**

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 (10 total)

TOTAL ENVIRONMENTAL SCIENCE OPTION REQUIRED COURSES **35**

ELECTIVES **up to 19**

~~Choose electives from BIOL, BUAD, CHEM, CMPS, COMH, ECON, ENVS, GEOG, GEOL, MATH, NASD, NESC, PHYS, or POLS subject codes.~~ Choose electives in consultation with a faculty advisor. Prerequisite courses completed following transfer may be included as electives. A minimum of 14 elective credits must be at the 300-499 level. A maximum of 10 elective credits may be taken through individualized studies coursework (courses numbered 189, 289, 389, or 489) following the Native Environmental Sciences individualized studies course guidelines.

TOTAL DEGREE REQUIREMENTS, ENVIRONMENTAL SCIENCE OPTION, TRANSFER ALTERNATIVE **180**

INTERDISCIPLINARY CONCENTRATION OPTION

The Interdisciplinary Concentration Option allows students flexibility in designing a program that meets their own academic, professional, and personal goals within the framework of the Native Environmental Science degree. Students design a concentration under the guidance of a concentration committee. The Native Environmental Science Program Handbook provides guidelines for constructing a concentration. This option requires students to take significant responsibility for the concentration's design and development.

FOUR YEAR ALTERNATIVE

This alternative is for students who have not earned an approved Associate in Arts and Sciences or the equivalent.

NORTHWEST INDIAN COLLEGE REQUIREMENTS

CMPS 101	Introduction to Computers, or above	3
HMDV 110	Introduction to Successful Learning	4
CMST 101 or CMST 210 or CMST 220	Intro to Oral Communication or Interpersonal Communications or Public Speaking	4

TOTAL NORTHWEST INDIAN COLLEGE REQUIREMENTS **11**

NORTHWEST INDIAN COLLEGE FOUNDATIONAL REQUIREMENTS

CSOV 101	Introduction to Cultural Sovereignty (HT)	5
CSOV 102	The Language of Our Ancestors (HT) or approved Native language courses[1]	5
CSOV 120	Reclaiming Our History (SS)	5
CSOV 130	Icons of Our Past (HT)	5
ECON 250	Subsistence Economies: Restoring Prosperity (SS)	5
EDUC 202	The Tide Has Changed: Educating Our Own (SS)	5
POLS 225	History of Federal Indian Policy (SS)	5

TOTAL NORTHWEST INDIAN FOUNDATIONAL REQUIREMENTS **35**

[1] One or more Native language courses totaling at least 5 credits. Consult with an advisor regarding satisfying general education requirements. Requires approval by the Dean of Academics and Distance Learning.

GENERAL EDUCATION REQUIREMENTS

ENGL 101	English Composition I (CS)	5
ENGL 202 or ENGL 102	Technical Writing, or English Composition II (CS)	5
Quantitative Skills 5 credit requirement – met in Prerequisite Requirements		0
Humanities Distribution 15 credit requirement - met in Foundational Requirements		0
Social Sciences Distribution 15 credit requirement - met in Foundational Requirements		0
Natural Sciences Distribution 15 credit requirement - met in Prerequisite Requirements		0

TOTAL GENERAL EDUCATION REQUIREMENTS **10**

PREREQUISITE REQUIREMENTS

Students are expected to complete the prerequisite courses as preparation for the Native Environmental Science core and Interdisciplinary Concentration Option requirements.

BIOL 101	Introduction to Biology, or BIOL 100, 111, 130, or 201	5
CHEM 111	Inorganic Chemistry, or CHEM 121 (NSL)	5
GEOL 101	Introduction to Geology, or GEOL 111 (NSL)	5
MATH 107	Elementary Statistics I[2], or MATH 102, MATH 103, MATH 105, or MATH 124 (QS)	5

TOTAL PREREQUISITE COURSE REQUIREMENTS **20**

[2] MATH 107 is the recommended course for students who may not plan on pursuing graduate studies where additional math coursework may be required. Consult with a faculty advisor in choosing the best math course for your area of interest.

ELECTIVE CREDITS TO TOTAL AAS DEGREE REQUIRED 90 CREDITS **14**

NATIVE ENVIRONMENTAL SCIENCE CORE REQUIREMENTS – Must be taken at NWIC

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 **31**

INTERDISCIPLINARY CONCENTRATION OPTION REQUIREMENTS (Minimum 29 credits must be 300-499)

NESC 305	Native Environmental Science Concentration Seminar (taken the 1st or 2nd quarter in concentration)	5
Selected courses taken within concentration as approved in Interdisciplinary Concentration Option proposal		33
Individualized studies courses within concentration[3]		21

[3] Individualized studies courses focus on key areas of inquiry contained in the concentration, such as: relevant work experience, travel study projects, service learning, field school, and volunteer projects. At least 5 credits of individualized studies coursework must contain a service learning component.

TOTAL INTERDISCIPLINARY CONCENTRATION OPTION REQUIREMENTS **59**

TOTAL DEGREE REQUIREMENTS, INTERDISCIPLINARY CONCENTRATION OPTION, FOUR YEAR ALTERNATIVE **180**

TRANSFER ALTERNATIVE

This alternative is for students who have earned an approved Associate in Arts and Sciences or the equivalent. Students who have completed another type of associate's degree should consult with an advisor about the transfer alternative. Transfer students may apply 90 credits from an approved transfer degree toward completion of the requirements for completion of the Bachelor of Science in Native Environmental Science. The following describes the coursework for the remaining 90 credits required for completion of the Interdisciplinary Concentration Option of the Bachelor of Science in Native Environmental Science.

TRANSFER CREDITS

Transfer credits	90
TOTAL TRANSFER CREDITS	**90**

PREREQUISITE REQUIREMENTS

Students are expected to complete the prerequisite courses as preparation for the Native Environmental Science core and Interdisciplinary Concentration Option requirements. Any prerequisite coursework completed after transfer into the program may be used to satisfy Interdisciplinary Concentration Option credits.

BIOL 101	Introduction to Biology, or BIOL 100, 111, 130, or 201	5
CHEM 111	Inorganic Chemistry, or CHEM 121 (NSL)	5
GEOL 101	Introduction to Geology, or GEOL 111 (NSL)	5
MATH 107	Elementary Statistics I[2], or MATH 102, MATH 103, AMTH 105, or MATH 124 (QS)	5
TOTAL PREREQUISITE COURSE REQUIREMENTS		**20**

[2] MATH 107 is the recommended course for students who may not plan on pursuing graduate studies where additional math coursework may be required. Consult with a faculty advisor in choosing the best math course for your area of interest.

NATIVE ENVIRONMENTAL SCIENCE CORE REQUIREMENTS – Must be taken at NWIC

CSOV 300	Cultural Sovereignty Transfer Seminar	5
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		**36**

INTERDISCIPLINARY CONCENTRATION OPTION REQUIREMENTS (Minimum 24 credits must be 300-499)

NESC 305	Native Environmental Science Concentration Seminar (taken the 1st or 2nd quarter in concentration)	5
Selected courses taken within concentration as approved in Interdisciplinary Concentration Option proposal[4]		28
Individualized studies courses within concentration[3]		21

[3] Individualized studies courses focus on key areas of inquiry contained in the concentration, such as: relevant work experience, travel study projects, service learning, field school, and volunteer projects. At least 5 credits of individualized studies coursework must contain a service learning component.

[4] A total of 28 credits of selected courses within the concentration are required. Some of these credits may also be used to satisfy prerequisite requirements. Choose selected courses in consultation with the concentration committee as part of the Interdisciplinary Concentration Option proposal.

TOTAL INTERDISCIPLINARY CONCENTRATION OPTION REQUIREMENTS **54**

TOTAL DEGREE REQUIREMENTS, INTERDISCIPLINARY CONCENTRATION OPTION, TRANSFER ALTERNATIVE **180**

BACHELOR OF SCIENCE IN NATIVE ENVIRONMENTAL SCIENCE

This program of study 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 Option. 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.

NORTHWEST INDIAN COLLEGE REQUIREMENTS

CMPS 101	Introduction to Computers, or above	3
HMDV 110	Introduction to Successful Learning	4
CMST 101 OR	Introduction to Oral Communications OR	4
CMST 210 OR	Interpersonal Communications OR	
CMST 220	Public Speaking	
TOTAL NORTHWEST INDIAN COLLEGE REQUIREMENTS		11

NORTHWEST INDIAN COLLEGE FOUNDATIONAL REQUIREMENTS

CSOV 101	Introduction to Cultural Sovereignty	5
CSOV 102	The Language of our Ancestors	5
CSOV 120	Reclaiming our History	5
CSOV 130	Icons of Our Past	5
ECON 250	Subsistence Economies: Restoring Prosperity	5
EDUC 202	The Tide Has Changed: Educating Our Own	5
POLS 225	History of Federal Indian Policy	5
TOTAL NORTHWEST INDIAN COLLEGE FOUNDATIONAL REQUIREMENTS		35

GENERAL EDUCATION REQUIREMENTS

ENGL 101	English Composition I	5
ENGL 102 OR	English Composition II OR	5
ENGL 202	Technical Writing	
Humanities Distribution 15 credit requirement – met in Foundational Requirements		0
Social Science Distribution 15 credit requirement – met in Foundational Requirements		0
Natural Science Distribution 15 credit requirement - met in Prerequisite Requirements		0
TOTAL GENERAL EDUCATION REQUIREMENTS		10

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BACHELOR OF SCIENCE IN NATIVE ENVIRONMENTAL SCIENCE

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 level standing in Native Environmental Science (please note students transferring into the BSNES program may be required to take CSOV 300):

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	5
TOTAL PREREQUISITE COURSE REQUIREMENTS		30

NATIVE ENVIRONMENTAL SCIENCE CORE REQUIREMENTS – MUST BE TAKEN AT NWIC

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		31

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	Aquatic Ecology, OR	5 (10 total)
ENVS 440 OR	Ecology of the Salish Sea, OR	
ENVS 481	Ecophysiology	
TOTAL ENVIRONMENTAL SCIENCE OPTION REQUIRED COURSES		35

ELECTIVES 28

Choose electives from BIOL, BUAD, CHEM, CMPS, COMH, ECON, ENVS, GEOG, GEOL, MATH, NASD, NESC, PHYS or POLS subject codes. A minimum of 19 elective credits must be at the 300-499 level. A maximum of 10 elective credits may be taken through individualized studies coursework (courses numbered 189, 289, 389, or 489) following the Native Environmental Sciences individualized studies course guidelines.

TOTAL DEGREE REQUIREMENTS, ENVIRONMENTAL SCIENCE OPTION 180

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BACHELOR OF SCIENCE IN NATIVE ENVIRONMENTAL SCIENCE

INTERDISCIPLINARY CONCENTRATION OPTION

The Interdisciplinary Concentration Option allows students flexibility in designing a program that meets their own academic, professional, and personal goals within the framework of the Native Environmental Science degree. Students design a concentration under the guidance of a concentration committee. The Native Environmental Science Program Handbook provides guidelines for constructing a concentration. This option requires students to take significant responsibility for the concentration's design and development.

NORTHWEST INDIAN COLLEGE REQUIREMENTS

CMPS 101	Introduction to Computers, or above	3
HMDV 110	Introduction to Successful Learning	4
CMST 101 OR	Introduction to Oral Communications OR	4
CMST 210 OR	Interpersonal Communications OR	
CMST 220	Public Speaking	
TOTAL NORTHWEST INDIAN COLLEGE REQUIREMENTS		11

NORTHWEST INDIAN COLLEGE FOUNDATIONAL REQUIREMENTS

CSOV 101	Introduction to Cultural Sovereignty	5
CSOV 102	The Language of our Ancestors	5
CSOV 120	Reclaiming our History	5
CSOV 130	Icons of Our Past	5
ECON 250	Subsistence Economies: Restoring Prosperity	5
EDUC 202	The Tide Has Changed: Educating Our Own	5
POLS 225	History of Federal Indian Policy	5
TOTAL NORTHWEST INDIAN COLLEGE FOUNDATIONAL REQUIREMENTS		35

GENERAL EDUCATION REQUIREMENTS

ENGL 101	English Composition I	5
ENGL 102 OR	English Composition II OR	5
ENGL 202	Technical Writing	
Humanities Distribution 15 credit requirement – met in Foundational Requirements		0
Social Science Distribution 15 credit requirement – met in Foundational Requirements		0
Natural Science Distribution 15 credit requirement - met in Prerequisite Requirements		0
TOTAL GENERAL EDUCATION REQUIREMENTS		10

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 level standing in Native Environmental Science (please note students transferring into the BSNES program may be required to take CSOV 300):

CHEM 111	Inorganic Chemistry, or CHEM 121	5

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BACHELOR OF SCIENCE IN NATIVE ENVIRONMENTAL SCIENCE

PREREQUISITE REQUIREMENTS CONTINUED

GEOL 101	Introduction to Geology, or GEOL 111	5
MATH 102	College Algebra, or MATH 107	5
BIOL 101	Introduction to Biology, or BIOL 100, 111, 130, or 201	5

TOTAL PREREQUISITE REQUIREMENTS	20
ELECTIVE CREDITS TO TOTAL AAS DEGREE REQUIRED 90 CREDITS	14

NATIVE ENVIRONMENTAL SCIENCE CORE REQUIREMENTS – MUST BE TAKEN AT NWIC

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		31

INTERDISCIPLINARY CONCENTRATION OPTION REQUIREMENTS (MINIMUM 29 CREDITS MUST BE 300-499)

NESC 305	Native Environmental Science Concentration Seminar (taken 1st or 2nd quarter in concentration)	5
Selected courses taken within concentration as approved in Interdisciplinary Concentration Option proposal		33
Individualized studies courses within concentration		21

At least 5 credits of the concentration coursework must contain service learning.

TOTAL INTERDISCIPLINARY CONCENTRATION OPTION REQUIREMENTS	59
TOTAL DEGREE REQUIREMENTS, INTERDISCIPLINARY CONCENTRATION OPTION	180

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BACHELOR OF SCIENCE IN NATIVE ENVIRONMENTAL SCIENCE

PROGRAM OUTCOMES

COMMUNICATION STUDENTS WILL BE ABLE TO:

- Explain the purpose of communication.
- Communicate effectively.
- Analyze the audience and modify the communication to suit that audience.
- Recognize and utilize appropriate information in communication.
- Evaluate the effectiveness of the communication and make adjustments if and where necessary
- Use exposition, negotiation, persuasion, and argumentation.

"WAYS OF FINDING OUT" STUDENTS WILL BE ABLE TO:

- Selectively use a broad range of scientific approaches to data collection and analysis tools and methodologies for problem solving.
- Use appropriate data collection and analysis tools and methodologies within their limitations.
- View the environment from a past, present, and future perspective.

BODIES OF KNOWLEDGE STUDENTS WILL BE ABLE TO:

- Demonstrate competence in bodies of knowledge associated with environmental science (e.g., chemistry, biology, ecology, etc.)

TECHNOLOGY STUDENTS WILL BE ABLE TO:

- Use technologies useful in the environmental sciences and be proficient in selected technology use.
- Match the intended purpose/intent with the appropriate technology.

PROBLEM SOLVING STUDENTS WILL BE ABLE TO:

- Identify issues, concerns, and/or problems that need corrective and restorative action.
- Research and gather appropriate information from appropriate resources to propose possible solutions, taking into account impacts on stakeholders.
- Write an action plan that implements the proposed solution taking into consideration the possibility of reassessing the original proposal.
- Implement the action plan.

LEADERSHIP AND EFFECTIVENESS STUDENTS WILL BE ABLE TO:

- Articulate the diversity in spirituality, culture, and language.
- Articulate their own identity in terms of a sense of place and their people.
- Demonstrate knowledge of Native American ando ther models of leadership.
- Demonstrate effective leadership skills.

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