ENVIRONMENTAL SCIENCE
Associate in Science

I. Minnesota Transfer Curriculum General Education Requirements

Goal 1: Written and Oral Communication
COMM 1114, Fundamentals of Speech, 3 cr
ENGL 1117, Reading & Writing Critically I, 4 cr
ENGL 1118, Reading & Writing Critically II, 4 cr

Goal 2: Critical Thinking MAY BE MET BY ANY COURSE IN MNTC 1-10 goals

Goal 3: Natural Sciences
BIOL 1102, Plant Biology, 3 cr
BIOL 1220, Concepts of Biology, 4 cr

Goal 4: Mathematics/Logical Reasoning
MATH 2208, Fundamentals of Statistics, 4 cr

Goal 5: History and the Social and Behavioral Sciences
SOC 1614, Introduction to Sociology, 3 cr

Goal 6: Humanities – the Arts, Literature, and Philosophy
Choose one of the following courses:
PHIL 1125, Ethics, 3 cr
PHIL 1130, Environmental Ethics, 3 cr

Goal 10: People and the Environment
BIOL 1100, Environmental Biology, 3 cr

II. Professional Core Requirements
BIOL 1230, Survey of Life Forms, 4 cr
BIOL 1300, Biological Applications of GIS Technology, 3 cr
BIOL 1400, Environmental Science Internship, 2 cr
BIOL 2000, Ecology, 4 cr
BIOL 2200, Zoology, 4 cr
BIOL 2300, Genetics, 4 cr

Choose one of the following two-course sequences:
CHEM 1127 & CHEM 1128, Chemical Principles I & II, 8 cr
PHYS 1107 & 1108, Technical Physics I & II, 8 cr
PHYS 1117 & 1118, Introductory Physics I & II, 8 cr

TOTAL A.S. CREDITS

TOTAL CREDITS TOWARD WSU, UWRF, or UM-Crookston Degree
This program has transfer articulation agreements with Winona State University, University of Wisconsin-River Falls, and University of Minnesota-Crookston. (Please visit http://www.rctc.edu/catalog/articulations/ for more information on articulations).

Environmental Science A.S. course planning worksheet – Two-year plan

More options for course scheduling can be found at the Environmental Science Program website: http://www.rctc.edu/program/es/additional information.html

The AS in Environmental Science includes general education requirements (Minnesota Transfer Curriculum) and core science course requirements. This worksheet lays out a variety of possible pathways to complete the degree, taking into account courses that are offered in only one semester per year and those that are offered every other year. Careful planning is necessary to avoid potential scheduling conflicts, especially between the various science courses that have labs associated with them. Schedules are subject to change—check current listings.

If you are planning to complete the program in two years, please see one possibility listed below. Please see more options at: http://www.rctc.edu/program/es/additional information.html

If you begin in the Fall of an odd-numbered year:

**Fall Year 1**
- BIOL 1100: Environmental Biology (3 cr)
- BIOL 1220: Concepts of Biology (4 cr)
- COMM 1114: Fundamentals of Public Speaking (3 cr)
- PHIL 1125 or 1130: Ethics/Environmental Ethics (3 cr)

**Credits:** 13 cr

**Spring Year 1**
- BIOL 1102: Plant Biology (3 cr)
- BIOL 1230: Survey of Life Forms (4 cr)
- BIOL 1300: Applications of GIS Technology (3 cr)
- BIOL 1400: Environmental Science Internship (2 cr)
- MATH 2208: Fundamentals of Statistics (4 cr)

**Credits:** 16 cr

**Fall Year 2**
- BIOL 2000: Ecology (4 cr)
- BIOL 2200: Zoology (4 cr)
- CHEM 1127: Chemical Principles I (4 cr)
- ENGL 1117: Reading and Writing Critically I (4 cr)

**Credits:** 16 cr

**Spring Year 2**
- BIOL 2300: Genetics (4 cr)
- CHEM 1128: Chemical Principles II (4 cr)
- ENGL 1118: Reading and Writing Critically II (4 cr)
- SOC 1614: Introduction to Sociology (3 cr)

**Credits:** 15 cr

Revised: 03/10/2015
Implementation: Fall 2015