

ASSOCIATE IN SCIENCE DEGREE

Environmental Science

This program articulates with Winona State University, Bachelor of Science Degree in Biology
(Environmental Science option).

I. General Education Requirements.....31 Credits

Goal 1: Written and Oral Communication (CM)..... 11 cr

ENGL 1117*, Reading & Writing Critically I, 4 cr**
ENGL 1118*, Reading & Writing Critically II, 4 cr**
SPCH 1114, Fundamentals of Speech, 3 cr

Goal 2: Critical Thinking may be met by any course in MNTC 1-10 goals

Goal 3: Natural Sciences (NS).....7 cr

BIOL 1220, Concepts of Biology, 4 cr
BIOL 1102, Plant Biology, 3 cr

Goal 4: Mathematics/Logical Reasoning (MA).....4 cr

MATH 2208, Fundamentals of Statistics, 4 cr**

Goal 5: History and the Social and Behavioral Sciences (SS).....3 cr

SOC 1614*, Introduction to Sociology, 3 cr

Goal 6: Humanities – the Arts, Literature, and Philosophy (HA).....3 cr

PHIL 1125*, Ethics, 3 cr

Goal 10: People and the Environment (PN).....3 cr

BIOL 1100, Environmental Biology, 3 cr**

* Honors equivalent available

II. Professional Core Requirements.....29 Credits

BIOL 1230, Survey of Life Forms, 4 cr
BIOL 1301, Environmental Science Seminar I, 1 cr**
BIOL 1302, Environmental Science Seminar II, 1 cr**
BIOL 2000, Ecology, 4 cr
BIOL 2200, Zoology, 4 cr
BIOL 2300, Genetics, 4 cr
CHEM 1127, 1128, Chemical Principles I & II, 8 cr
WSU: GEOS 370*, GIS Imaging Techniques, 3 cr

*Concurrent enrollment during the spring semester of the final year at RCTC.

**Courses for completion of RCTC degree program which do not apply to WSU environmental science degree program (4 cr of ENGL 1117/1118 is counted towards 128 total credits needed for baccalaureate degree)

TOTAL A.S. CREDITS60 Credits

TOTAL CREDITS TOWARD WSU DEGREE.....47 Credits

(Potential for up to 8 more credits applicable to the WSU degree shown below)

For More Information:

The Counseling and Career Center at RCTC

http://www.rctc.edu/counseling_career_center/index.html

507-285-7260

Environmental Science, A.S., Course Sequence

Fall	#credits	Spring	#credits
Year 1	14	Year 1	14
BIOL 1100	Environmental Biology	BIOL 1230	Survey of Life Forms
BIOL 1220	Concepts of Biology	ENGL 1118	Reading & Writing Critically II
ENGL 1117	Reading & Writing Critically I	BIOL 1102	Plant Biology
PHIL 1125	Ethics	SPCH 1114	Fundamentals of Public Speaking
Year 2		Year 2	
16		16	
BIOL 2000	Ecology	BIOL 1302	Environmental Science Seminar II
BIOL 2200	Zoology	CHEM 1128	Chemical Principles II
CHEM 1127	Chemical Principles I	MATH 2208	Fundamentals of Statistics
SOC 1614	Introduction to Sociology	BIOL 2300	Genetics
BIOL 1301	Environmental Science Seminar I	GEOS 370*	GIS Imaging Techniques

Recommended for WSU degree if want more credits at RCTC.

*ESCI 1114	Physical Geology
*CHEM 2100	Organic Chemistry
BIOL 2021	General Microbiology (BIOL 2021)
PSYC 2618	General Psychology (PSYC 2618)
MATH 1127	Calculus I
MATH 1128	Calculus II

WSU will accept 8 out of up to 24 additional credits

ESCI 1114	4	GEOS 120
CHEM 2100	4	CHEM 340 (needs MATH 1117 at RCTC)
BIOL 2021	4	BIOL 409
PSYC 2618	4	PSY 210
MATH 1127	4	MATH 160
MATH 1128	4	MATH 165

* Recommended at RCTC to prep for WSU courses.

Implemented: Fall 2008
 Revised: 05/19/2008
 Reviewed: 05/2008

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