

NORTH COUNTRY COMMUNITY COLLEGE: ENVIRONMENTAL SCIENCE A.S.
THE COLLEGE OF SAINT ROSE: ENVIRONMENTAL SCIENCE B.S.

DEGREE REQUIREMENTS

MINIMUM TOTAL HOURS REQUIRED: 122 CREDITS

SAINT ROSE REQUIREMENTS:

NORTH COUNTRY EQUIVALENCIES:

I. LIBERAL EDUCATION REQUIREMENTS (41 credits):

**L01: Expository Writing, Oral Communication,
Research Techniques (4 cr.)**

ENG 101 English Composition I (3) and
ENG 105 Speech Fundamentals (3) *Note 1*

L02: Study of Language (3 cr.)
Foreign Language, American Sign Language, Linguistics,
Or Philosophy of Language

Foreign Language Elective (3) *Note 2**

L03: Historical Knowledge, Analysis, and Perspective (3 cr.)
History

History Elective (3) *Note 2**

L04: Artistic Knowledge and Interpretation: Literature (4 cr.)
Literature

Literature Elective (3) *Note 2**

L05: Artistic Knowledge and Interpretation (3 cr.)
Art, Music, Communications, and Drama

Art, Music, or Drama Elective (3) *Note 2**

L06: Philosophical, Spiritual, or Theological Inquiry (3 cr.)
Philosophy or Religious Studies

Philosophy Elective (3) *Note 2**

L07: Mathematics (3 cr.)
Mathematics

Mathematics Elective (3-4) *Note 2*&4*

L08: Computer Science (3 cr.)
Computers

Computer Science Elective (3) *Note 2*&5*

L09: Scientific Knowledge and Inquiry (4 cr.)
Laboratory Science (Biology, Chemistry, Physics or Earth Science)

Laboratory Science Course (4) *Note 2* 3& 4*

L10: Behavioral and Social Sciences 1 (3 cr.)
Economics, Political Science or Business

Eco., Political Science or Bus. Elective (3) *Note 2**

L11: Behavioral and Social Sciences 2 (3 cr.)
Anthropology, Criminal Justice, Psychology, Sociology, and Social Work

Social Science Elective (3) *Note 2**

L12: Wellness and Physical Fitness (2 cr.)
Physical Education

Physical Education Electives (2) *Note 2* & 6*

L13: Further Disciplinary Study (3 cr.)
A second liberal education course in a same discipline, outside of the major.

II. General Electives:
(Please see Note 7)

BIO/ENV 205 Field Methods in Env. Science (4)
BIO/ENV 204 Conservation of Natural Resources (4)
BIO/ENV 125 Ecology (3) – No Lab
BIO 160 Adirondack Biology (3)

Saint Rose Requirement

North Country Equivalencies:

III. Environmental Science-Geoscience Track Requirements (79 Credits):

ENV 112 Environmental Science (4)

BIO/ENV 104 Environmental Science (3)
and BIO/ENV 108 Environmental Science Lab (1)

ENV 236 Environmental Technology (4)

PHI 303 Environmental Ethics (3)

ESC 185 Intro to Environmental Geology (4)

ESC 210 Aqueous Systems (4)

ENV 405 Environmental issues (4)

ESC 220 Mineralogy and Petrology I (4)

ESC 310 Sedimentology and Stratigraphy (4)

Earth Science electives (8)

BIO 190/190L Principles of Biology 1 (4)

BIO 191/191L Principles of Biology 2 (4)

BIO 240 Aquatic Ecology (4)

OR

BIO 241 Marine Ecology (4)

OR

BIO 242 Terrestrial Ecology (4)

CHM 190/190L General Chemistry I (4)

CHM 191/191L General Chemistry II (4)

MAT 190 Calculus 1 (4)

MAT 191 Calculus 2 (4)

CHM 203 Quantitative Analysis (4)

PHY 190 /190L Fundamentals of Physics 1 (4)

PHY 191/191L Fundamentals of Physics 2 (4)

SCI 399 National Sciences Colloquium (0)

(required every semester)

EAS 101 Principles of Geology (4)

BIO 101 Principles of Biology I (4)

BIO 102 Principles of Biology II (4)

CHE 101 Principles of Chemistry I (4)

CHE 102 Principles of Chemistry II (4)

MAT 240 Calculus I (4)

MAT 241 Calculus II (4)

PHY 101 Principles of Physics I (4)

PHY 102 Principles of Physics II (4)

III. Environmental Science-Ecology Track Requirements (79 Credits):

ENV 112 Environmental Science (4)

BIO/ENV 104 Environmental Science (3)
and BIO/ENV 108 Environmental Science Lab (1)

ENV 236 Environmental Technology (4)

PHI 303 Environmental Ethics (3)

ESC 185 Intro to Environmental Geology (4)

ESC 210 Aqueous Systems (4)

ENV 405 Environmental issues (4)

BIO 190/190L Principles of Biology 1 (4)

BIO 191/191L Principles of Biology 2 (4)

BIO 240 Aquatic Ecology (4)

OR

BIO 241 Marine Ecology (4)

OR

BIO 242 Terrestrial Ecology (4)

(1st ecology course)

BIO 240 Aquatic Ecology (4)

OR

BIO 241 Marine Ecology (4)

OR

BIO 242 Terrestrial Ecology (4)

(2nd ecology course)

BIO 280 Microbiology (4)

BIO 310 Comparative Animal Physiology (4)

CHM 190/190L General Chemistry I (4)

EAS 101 Principles of Geology (4)

BIO 101 Principles of Biology I (4)

BIO 102 Principles of Biology II (4)

BIO 201 Microbiology (4)

CHE 101 Principles of Chemistry I (4)

CHM 191/191L General Chemistry II (4)
CHM 301 Instrumental Analysis (4)
MAT 190 Calculus 1 (4)
MAT 191 Calculus 2 (4)
CHM 203 Quantitative Analysis (4)
PHY 190 /190L Fundamentals of Physics 1 (4)
PHY 191/191L Fundamentals of Physics 2 (4)
SCI 399 National Sciences Colloquium (0)
(required every semester)

CHE 102 Principles of Chemistry II (4)

MAT 240 Calculus I (4)
MAT 241 Calculus II (4)

PHY 101 Principles of Physics I (4)
PHY 102 Principles of Physics II (4)

MINIMUM TOTAL HOURS REQUIRED: 122

MAXIMUM CREDIT HOURS TRANSFERABLE: 62

Notes for North Country Community College - The College of Saint Rose Business Agreement:

- 1) ENG 101 English Composition I (3) and ENG 105 Speech Fundamentals (3) transfer as ENG 105 Expository Writing, Oral Communication and Research (4) and General Elective (2) and fulfills the L01 liberal education requirement at Saint Rose.
- 2) 62 is the maximum number of credits allowed for transfer into The College of Saint Rose. All possible electives are listed in this agreement and the student, along with his/her advisor, should select the most appropriate courses to complete his/her degree while not unnecessarily exceeding the number of credits required for the A.S. degree. Students are encouraged to use their credits in electives at North Country Community College to fulfill liberal education requirements at The College of Saint Rose.
- 3) The science course completed must include a lab to fulfill the L09 Liberal Education requirement in science.
- 4) A math course completed for the Major can also fulfill the L07 Liberal Education requirement in math. Also, a science course with lab completed for the Major can also fulfill the L09 science Liberal Education requirement at Saint Rose.
- 5) The L08 computer science Liberal Education requirement at The College of Saint Rose is fulfilled with a computer course at the level of programming.
- 6) A minimum of 2 physical education credits is required to fulfill the L12 liberal education requirement in physical education. A maximum of 4 physical education credits will be accepted for transfer.
- 7) The courses listed next to General Electives will all transfer to Saint Rose with the credits counting towards the 122 credits required for the Bachelor's degree, but will not be applied to the Major.
- 8) The College of Saint Rose does not accept for transfer: independent studies, internships, field experience or practicums.
- 9) A letter grade of C- or higher in each course is required for transfer into The College of Saint Rose. Any completed coursework with a grade lower than a C- will not be transferred.
- 10) This document is valid until the time which either party changes their respective program. At which point review will be required.

*The College of Saint Rose Transfer Equivalency Database and/or catalog should be consulted to ensure that selected coursework will fulfill the appropriate Liberal Education Requirement as designated by the "L0" next to the course credits in the "LIBED" column: <http://www.strose.edu/officesandresources/registrar/transferequivalency>

CONTACTS:

The College of Saint Rose:
Robert J. Garofallou-Hogan,
Assistant Registrar for Transfer Articulation
Registrar's Office
HoganR@strose.edu
(518) 458-5458

North Country Community College:
TO BE COMPLETED BY NCCC


SIGNATURES:

The College of Saint Rose

Ann Zeeh
Department Chair, Physical & Biological Sciences

Date

North Country Community College



Dr. Judy Steinberg
Department Chair, Science

4-7-16

Date

Rick Thompson
Dean, School of Math and Science

Date

Hadi Salavitabar
Provost/Vice President for Academic Affairs

Date

Date

Joe Keegan
Joe Keegan
Vice President for Academic Affairs

4/21/16
Date