Bachelor of Science
Secondary Education: Physical Science Major

College wide degree requirements:
___ 120 credits earned
___ 2.00 minimum cumulative grade point average

Major requirements:
___ CH 1104 General Chemistry I
___ CH 1114 General Chemistry II
___ CM 1003 Composition and Communication I
___ CM 1013 Composition and Communication II
___ ED 1013 Foundations of Education
___ ED 2102 Education Field Practicum I
___ ED 2113 Instruction and Assessment Design
___ ED 2212 Teaching with Technology
___ ED 3122 Education Field Practicum II
___ ED 3223 Curriculum and Evaluation Design
___ GL 1003 Physical Geology
___ GL 1013 Weather and Climate
___ IC 1113 Unity Experience or IC 1111 Unity Transfer Experience

___ Passing grade on computer applications proficiency exam or LR 1222 Introduction to Computer Applications

One of the following:
___ AE 2002 Adventure Facilitation
___ ED 3342 Exceptional & Universal Programs
___ ES 2103 Introduction to Geographic Information Systems (GIS)
___ PF 1023 Interpretation of Natural & Cultural Heritage

One or two courses from the list below to equal a minimum of 24 total credits in physical science content:
___ CH 2324 Organic Chemistry
___ CH 4034 Biochemistry
___ CH 4044 Environmental Chemistry
___ ES 3013 Oceanography
___ ES 3183 Limnology
___ GL 2003 Geology of Environmental Problems
___ GL 3044 Surface and Groundwater Hydrology
___ GL 3433 Soil Science
___ GL 4003 Global Change
___ PS 3003 Sustainable Energy

Distribution courses:
Each course or group of courses used to fulfill an Environmental Citizen requirement must total a minimum of three credits with the
Exception of the Community-based Learning course. The courses below fulfill the Environmental Citizen Foundation and Keystone requirements:

Math courses: Courses with a course code of MA
Physical Science courses: Courses with a course code of CH, GL, PS (the course that fulfills this requirement must have a lab component)
Life Science courses: Courses with a course code of BI (the course that fulfills this requirement must have a lab component)
Social Science courses: Courses with a course code of AN, EC, GL, PL, PS, SY
Humanities courses: Courses with a course code of CM (except CM 1003, CM 1013, CM 1063, CM 1163, CM 2013, CM 2233, CM 3113),
EH (except EH 3213), GS 1023, HU
Art courses: Courses with a course code of AR, CM 3113
Environmental Studies courses: AN 2113, BI 3063, BI 3323, BI 4423, CH 4044, CM 2123, EC 2003, GL 2003, HU 3113, PL 3013, PL 3413, PL 4413

Community-based learning is experiential learning that engages students in service opportunities within the community as an integral part
of a course. It allows students the opportunity to apply classroom learning to real-life situations, which enriches the learning experience,
teaches civic responsibility, and produces positive benefits for the greater community. This can include courses taken to fulfill program
requirements or other Environmental Citizen requirements. The following
courses fulfill the Community-based learning requirement: AE 1003, AF 3324, AR 2003, AR 3033, AS 4333, BI 4703, CH 4044, CM 2123, CM
3123, ED 3342, ED 3443, ES 3213, FY 4003, FY 4213, GL 3524, HU 2123, IC X213, PL 3413, PF 3213, PF 4123, PF 4223, WF 2003, WF
4013

With the exception of the Community-based Learning requirement, one course cannot fulfill more than one Environmental Citizen requirement.
Program courses can be used to fulfill any Environmental Citizen requirements except for the Environmental Studies course.

Registrar’s Office 7/2015