### Year 1

**Fall Semester**
- **Course #** EDFN 130
- **Title** Intro. to Teaching
- **Cr.** 3
- **Course #** CHEM 103
- **Title** Gen. Chem. I (fa only, Core 1)
- **Cr.** 4
- **Course #** GEOL 101
- **Title** Physical Geology (fa only)
- **Cr.** 4
- **Course #** ENG 101
- **Title** Composition I (Core 2)
- **Cr.** 3
- **Course #** CORE/CCI*
- **Title** Inst. Requirement (Core 3)
- **Cr.** 3

**TOTAL:** 17

**Spring Semester**
- **Course #** EDFN 202
- **Title** Teaching & Learning Process
- **Cr.** 3
- **Course #** CHEM 104
- **Title** Gen. Chem. II (sp only, Core 4)
- **Cr.** 4
- **Course #** MATH 208
- **Title** Elementary Statistics (Core 5)
- **Cr.** 3
- **Course #** ENG 102
- **Title** Composition II (Core 6)
- **Cr.** 3
- **Course #** CORE
- **Title** Inst. Requirement (Core 7)
- **Cr.** 3

**TOTAL:** 16

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### Year 2

**Fall Semester**
- **Course #** EDIS 250
- **Title** Intro. to Educ. Intervention
- **Cr.** 3
- **Course #** GEOL 311**
- **Title** Mineralogy or Inst. Requirement (Core 8)
- **Cr.** 3
- **Course #** GEO 210
- **Title** Natural Disasters: Severe Weather or GEO 213
- **Cr.** 3
- **Course #** PHYS
- **Title** Choice
  - PHYS 107 Hid. Life of Stars or PHYS 320 Origins of Universe
  - **Cr.** 3
- **Course #** CORE
- **Title** Inst. Requirement (Core 9)
- **Cr.** 3

**TOTAL:** 15-16

**Spring Semester**
- **Course #** EDCI
- **Title** AYA Field Experience I
- **Cr.** 1
- **Course #** GEOL 102
- **Title** Hist. Geol. (sp odd) or Inst. Requirement (Core 10)
- **Cr.** 3
- **Course #** PHYS
- **Title** Choice
  - PHYS 201
- **Cr.** 3
- **Course #** CORE
- **Title** Inst. Requirement (Core 8) or GEOL 311**
- **Cr.** 3

**TOTAL:** 12-18

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### Year 3

**Fall Semester**
- **Course #** EDCI
- **Title** AYA Field Experience II
- **Cr.** 3
- **Course #** EDCI
- **Title** Teaching Science
- **Cr.** 3
- **Course #** GEOL 313
- **Title** Sed. Petrol. & Stratig. (fa even) or CHEM 350 (Core 13)
- **Cr.** 3
- **Course #** GEOL 309
- **Title** Geomorphology (fa odd) or BIO 110
- **Cr.** 4
- **Course #** PHYS
- **Title** Choice
  - PHYS 201
- **Cr.** 4

**TOTAL:** 17-18

**Spring Semester**
- **Course #** GEOL 275 & GEOL 429
- **Title** Topics in Reg. Geol. (sp odd) and Field Geology (sp odd, May)
- **Cr.** 0 or 2-3
- **Course #** PSYCH 218
- **Title** Psych. of Adol. (Core 14)
- **Cr.** 3
- **Course #** CORE
- **Title** Inst. Requirement (Core 15) or GEOL 311**
- **Cr.** 3
- **Course #** CORE
- **Title** Inst. Requirement (Core 11) or GEOL 312 (sp even)
- **Cr.** 3

**TOTAL:** 12-18

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### Year 4

**Fall Semester**
- **Course #** EDCI
- **Title** Content Area Reading
- **Cr.** 3
- **Course #** BIO 110
- **Title** Ecology & Environment or GEOL 309 (fa odd)
- **Cr.** 4
- **Course #** CHEM 350
- **Title** CHEM/GEOL/PHYS/PHIL 350 Sci. Cultural Force (Core 13) or GEOL 313 (fa even)
- **Cr.** 3
- **Course #** ELECTIVE
- **Title** General elective or Inst. Requirement (Core 15) or GEOL 311**
- **Cr.** 2

**TOTAL:** 12-15

**Spring Semester**
- **Course #** EDFN 402
- **Title** Social & Prof. Issues in Educ.
- **Cr.** 2
- **Course #** EDCI 461
- **Title** Student Internship Gr. 7-12
- **Cr.** 10
- **Course #** GEOL 275 & GEOL 429
- **Title** Topics in Reg. Geol. (sp odd) and Field Geology (sp odd, May), if not taken earlier
- **Cr.** 0 or 2-3

**TOTAL:** 12-15

123-124 total credit hours required for degree

Important information continues on the next page.
*The Critical Cultural Inquiry (CCI) requirement can be completed by either one value-added foreign language course, an approved study-away or study abroad experience, or one CCI course. One slot should be allotted for CORE/CCI, but students completing the requirement with study abroad, can substitute an elective if necessary to reach 120 hours. If students are continuing a language study, it is preferable to take the course during the first semester of the first year.

**GEOL 311 offered every third semester beginning fall 2019. See your academic advisor for details.

Special Note: The major in Earth Science Education is being discontinued by Ashland University. This major will not be available for students entering in fall 2021-2022 and beyond. New incoming students which start in Fall 2020 will have this complete academic major program and its courses delivered to them so that the student may complete the degree with this major. Elective courses in the major may be reduced during this period of teaching out the major. Other students who are subject to the standards and requirements of this 2020-2021 Catalog may only change their major to this major which is being discontinued until the last day of the Fall 2020 semester.