

B.S.Ed. in INTEGRATED SCIENCE EDUCATION (Comprehensive Major) UNIVERSITY PHYSICS OPTION 8/2020
 2020 FOUR YEAR CURRICULUM GUIDE
 DEPARTMENT OF CHEMISTRY/GEOLOGY/PHYSICS

Year 1			Year 1		
Fall Semester			Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
EDFN 130	Intro. to Teaching	3	EDFN 202	Teaching & Learning Process	3
CHEM 103	Gen. Chem. I (fa only, Core 1)	4	CHEM 104	Gen. Chem. II (sp only)	4
BIO 201	Molec. & Cellular Basis of Life (Core 2)	4	BIO 202	Organisms, Adap. & Divers.	4
GEOL 101	Physical Geology	4	ENG 102	Composition II (Core 4)	3
ENG 101	Composition I (Core 3)	3	CORE/CCI*	Inst. Requirement (Core 5)	3
	TOTAL	18		TOTAL	17

Year 2			Year 2		
Fall Semester			Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
EDIS 250	Intro. to Educ. Intervention	3	EDCI 230SEC	AYA Field Experience I	1
MATH 205	Calculus I (fa only, Core 6)	5	EDCI 232	Intro. to Prin. of Instr. Tech.	3
CHEM 320 or CORE	Quant. Analysis (fa only) or Inst. Requirement (Core 7)	3-4	MATH 206	Calculus II (sp only)	5
BIO 303	Genetics	4	GEOL 102	Hist. Geol. (sp even) or BIO Elective	3-4
CORE	Inst. Requirement (Core 8)	3	CORE	Inst. Requirement (Core 9)	3
	TOTAL	18-19		TOTAL	15-16

Year 3			Year 3		
Fall Semester			Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
EDCI 318	Teaching Science	3	BIO choice or GEOL 102	BIO Elective or Hist. Geol. (sp even)	3-4
EDCI 330SEC	AYA Field Experience II	3	PHYS 206	University Physics II (sp only)	5
PHYS 205	University Physics I (fa only)	5	PSYCH 218	Psych. of Adol. (Core 11)	3
CORE or CHEM 320	Inst. Requirement (Core 7) or Quant. Analysis (fa only)	3-4	CORE	Inst. Requirement (Core 12)	3
CORE	Inst. Requirement (Core 10)	3	CORE	Inst. Requirement (Core 13)	3
	TOTAL	17-18		TOTAL	17-18

Year 4			Year 4		
Fall Semester			Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
EDCI 392	Content Area Reading	3	EDFN 402	Social & Prof. Issues in Educ.	2
PHYS choice	PHYS 107 Hidden Life of Stars or PHYS 320 Origins of Universe	3	EDCI 461	Student Internship Gr. 7-12	10
BIO choice	BIO Elective	3-4			

CHEM 350	CHEM/GEOL/PHYS/PHIL 350 Sci. Cultural Force (Core 14)	3			
CORE	Inst. Requirement (Core 15)	3			
	TOTAL	15-16		TOTAL	12

132-133 total credit hours required for degree

**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.*