

# General Science: Specialization in Biology or Earth Sciences (Certifiable for Elementary Education) - Earth Science

Academic Map

Literacy, Elementary, & Early Childhood Education

Effective Year: 2019–2020

Track: Earth Science

Semester 1	Cr.	Min Gr.	Milestone
GSCI 121 & 125 or GSCI 131 & 135	4	C-	An SAT score or CCSU Placement Task determines placement in Mathematics and English courses.
MATH 113 Structure of Math I: Number Systems	3	C	
WRT 110 Introduction to College Writing	3	C	Target cumulative GPA $\geq$ 2.70
General Education (PE 144 suggested)	2-3		
General Education	3		

**Total: 15-16**

Semester 2	Cr.	Min Gr.	Milestone
General Education course	2-3		! Complete any required fingerprinting.
PSY 136 Life-Span Development	3	C	Target cumulative GPA $\geq$ 2.70.
GSCI 129 Introduction to Meteorology	4	C-	
SCI 211 Earth and Physical Science	3	C	
MATH 213 Structure of Math II	3	C	

**Total: 15-16**

Semester 3	Cr.	Min Gr.	Milestone
AST 113 or AST 208	3-4	C-	! Target cumulative GPA $\geq$ 2.70.
EDF 215 Education in a Multicultural Society	3	C	Begin preparing for application to the Professional Program for Teacher Certification
GSCI 141 Earth and Life History	3	C-	
GSCI 145 Earth and Life History laboratory	1	C-	Take Science and Math subtests of the Praxis II Elementary Multiple Subjects Test at end of semester.
HIST 161 or HIST 162	3	C	
PSY 361 or PSY 362	3	C	

**Total: 16-17**

Semester 4	Cr.	Min Gr.	Milestone
BIO 121 or BIO 211	3-4	C-	! Maintain cumulative GPA $\geq$ 2.70.
PHYS 111 or PHYS 121	3-4	C-	! Submit completed application to the Professional Program for Teacher Certification by February 10 or September 10.
General Education course	3		
General Education course	3		
General Education course	3		

**Total: 15-17**

You cannot proceed further until you have been accepted into the Professional Program for Teacher Certification

Semester 5	Cr.	Min Gr.	Milestone
*EDEL 315 Principles of Learning: Elementary Education	3	C	<p>! Earn semester GPA <math>\geq</math> 2.70.</p> <p>Complete the Dyslexia module for pre-service teachers.</p> <p>NOTE: 30+ hours of off-campus field experience required; some courses may be held in an elementary school.</p> <p>Take Social Studies subtest of Praxis II.</p>
*EDT 305 Educational Technology for Elementary	3	C	
*FA 412 Fine Arts Across the Curriculum	3	C	
*LLA 315 Comprehensive Reading Instruction I	3	C	
*SPED 315 Introduction to Educating Learners with Exceptionalities	3	C	
BIO 122 or BIO 111 or BIO 132	3	C-	
<b>Total: 18</b>			

Semester 6	Cr.	Min Gr.	Milestone
*EDEL 322 Effective Elementary Teaching I	3	C	<p>! All required Praxis II tests and the Foundations of Reading test must be passed to be eligible to apply for Student Teaching next semester.</p> <p>! Earn semester GPA <math>\geq</math> 2.70.</p> <p>NOTE: 45+ hours of off-campus field experience required; some courses may be held in an elementary school.</p> <p>Take Foundations of Reading Test and Reading and Language Arts subtest of the Praxis II at end of semester.</p>
*EDEL 415 Elementary Social Studies Methods	2	C	
*EDT 415 Developing Instructional Materials	1	C	
*LLA 316 Comprehensive Reading Instruction II	3	C	
AST or GSCI elective 200+	3-4	C-	
CHEM 161 General Chemistry	3	C-	
CHEM 162 General Chemistry laboratory	1	C-	
<b>Total: 16-17</b>			

Semester 7	Cr.	Min Gr.	Milestone
*EDEL 420 Effective Elementary Teaching II	3	C	<p>! Apply for Student Teaching by September 15 or February 15. All required Praxis II tests and the Foundations of Reading test must be passed by this date!</p> <p>! Earn semester GPA <math>\geq</math> 2.70.</p> <p>Apply for graduation early in the semester.</p> <p>NOTE: 45-60 hours of off-campus field experience required; some courses may be held in an elementary school.</p>
*LLA 412 Literacy in the Elementary School	3	C	
*MATH 412 Elementary Mathematical Methods	3	C	
*SCI 412 Learning and Curriculum Studies in Science	2	C	
General Education	3		
<b>Total: 14</b>			

Semester 8	Cr.	Min Gr.	Milestone
*EDEL 430 Elementary Education Student Teaching	9	C	<p>! Earn semester GPA <math>\geq</math> 2.70.</p> <p>NOTE: No other courses may be scheduled during this semester</p>
*EDTE 430 Seminar in Leadership & Learning Communities	1	C	
<b>Total: 10</b>			