



Teacher Licensing Program
 School of Teacher Education and Principal Preparation
 100 Education Building
 (970) 491-5292
 www.stepp.caahs.colostate.edu

Student's Name: _____

Email Address: _____

CSU ID Number: _____

**SCIENCE EDUCATION – Geology Concentration
 Curriculum Check-sheet
 121-124 Credits**

Note to the Student: This check-sheet describes the curricular requirements for both the Bachelor of Science in Natural Sciences with a concentration in Geology Education and for the teacher licensing program in science (geology). The courses listed are courses in both areas. All curricular requirements on this check-sheet, along with other programmatic requirements, must be met in order to receive the institutional recommendation for the teaching endorsement. A minimum of 42 credits must be completed in upper-division coursework. **The Teacher Licensing Program is a non-degree program; bachelor degrees in education are not awarded.**

Professional Education Courses – 33 credits

____ EDUC 275* Schooling in the US	3	_____
____ EDUC 340* Literacy & the Learner	3	_____
____ EDUC 331* Ed Tech & Assessment	2	_____
____ EDUC 350* Instruction I	3	_____
____ EDUC 386* Practicum-Instruction I	1	_____
____ EDUC 450 Instruction II	4	_____
____ EDUC 486E Practicum-Instruction II	1	_____
____ EDUC 460 Methods/Materials Science	4	_____
____ EDUC 485B Student Teaching-Sec	11	_____
____ EDUC 493A Seminar: Prof Relations	1	_____

All University Core Curriculum – 18 credits

____ Written Communication (1A)	3	____ CO150	_____
Mathematics**			
____ Calculus I (1B)	4 [∞]	_____	_____
____ Advanced Writing (2B)	3	_____	_____
Biological/Physical Sciences (3A)			
____ LIFE 102* Attributes of Living Systems ^{4∞}		_____	_____
-AND-			
____ CHEM 111* General Chemistry I	4 [∞]	_____	_____
-AND-			
____ CHEM 112* General Chemistry I Lab	1 [∞]	_____	_____
Arts and Humanities (3B)			
____ Add'l Arts and Humanities (3B)	3	_____	_____
Social/Behavioral Sciences (3C)			
____ Social/Behavioral Sciences (3C)	3 [∞]	____ EDUC275	_____
Historical Perspectives (3D)			
____ Historical Perspectives (3D)	3	_____	_____
Global & Cultural Awareness (3E)			
____ Global & Cultural Awareness (3E)	3	_____	_____
Depth & Integration (4A, 4B, 4C)			
____ EDUC 485B Student Teaching-Sec	11 [∞]	_____	_____
____ EDUC 493A Seminar: Prof Relations	1 [∞]	_____	_____

**Prerequisites for calculus could account for 5 additional credits.

[∞]Requirements met with other required coursework

*Offered Summer Semester

^ΩOffered only Fall Semester

^ΣOffered only Spring Semester

See the back of this check-sheet for important course requirements and advising reminders. → → →

Teaching Concentration (Content) Courses – 70-73 credits

____ AA 100* Intro to Astronomy	3	_____	
-OR-			
____ NR 150* Oceanography I	3	_____	
____ ATS 350 Intro to Weather & Change	2	_____	
____ CHEM 111* General Chemistry I	4	_____	
____ CHEM 112* General Chemistry I Lab	1	_____	
____ CHEM 113* General Chemistry II	3	_____	
____ CHEM 114* General Chemistry II Lab	1	_____	
____ LIFE 102* Attributes of Living Systems	4	_____	
____ LIFE 103* Bio Organisms-Animals/Plants	4	_____	
____ MATH 155* Calculus-Bio Scientists I	4	_____	
____ MATH 255 Calculus Bio Scientists II	4	_____	
-OR-			
____ MATH 160* Calculus-Phys Scientists I	4	_____	
____ MATH 161* Calculus-Phys Scientists II	4	_____	
____ PH141* Physics for Scientists & Eng I	5	_____	
____ PH 142 Physics for Scientists & Eng II	5	_____	
____ STAT 301* Intro to Statistical Methods	3	_____	
____ GEOL 120* Physical Geology	3	_____	
____ GEOL 121* Physical Geology Lab	1	_____	
-OR-			
____ GEOL 150 ^Ω Phys Geology for Sci & Eng	4	_____	
____ GEOL 154 ^Σ Historical & Analytical Geol	4	_____	
____ GEOL 232 ^Ω Mineralogy	3	_____	
____ GEOL 454 ^Σ Geomorphology	4	_____	
Need three courses of geology science electives:			
____ GEOL 250 ^Σ The Solid Earth	3	_____	
____ GEOL 342 ^Ω Paleontology	3	_____	
____ GEOL 344 ^Ω Stratigraphy & Sedimentology	4	_____	
____ GEOL 364 ^Σ Igneous & Meta Petrology	4	_____	⤵
____ GEOL 366 ^Ω Petrology & Geochemistry	4	_____	
____ GEOL 372 ^Σ Structural Geology	4	_____	
____ GEOL 446 ^Σ Environmental Geology	3	_____	
____ GEOL 452 ^Ω Hydrogeology	4	_____	
Need 3 credits of general science/mathematics electives:			
____ Science Elective		_____	_____

