



Teacher Licensing Program
 Center for Educator Preparation
 111 Education Building
 (970) 491-5292
<https://www.chhs.colostate.edu/soe/center-for-educator-preparation/>

Student's Name: _____

Email Address: _____

CSU ID Number: _____

SCIENCE EDUCATION – Biology Concentration
Curriculum Check-sheet
122 - 123 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 Biology Education and for the teacher licensing program in science. 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 in the state of Colorado. 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	
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____ EDUC 350 Instruction I	3	
____ EDUC 386 Practicum-Instruction I	1	
____ EDUC 461A ^Ω Science Methods I	3	
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____ EDUC 450 Instruction II	4	
____ EDUC 486E Practicum-Instruction II	1	
____ EDUC 461B ^Σ Science Methods II	3	
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____ EDUC 485B Student Teaching-Secondary 11		
____ EDUC 493A Seminar: Prof Relations	1	

All University Core Curriculum – 18 credits

____ Written Communication (1A)	3	____ CO150
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Mathematics**		
____ Calculus I (1B)	4	_____
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____ Diversity, Equity & Inclusion (1C)	3	_____
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____ Advanced Writing (2)	3	_____
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Biological/Physical Sciences (3A)		
____ LIFE 102* Attributes of Living Systems	4	_____
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-AND-		
____ CHEM 111* General Chemistry I	4	_____
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-AND-		
____ CHEM 112* General Chemistry I Lab	1	_____
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____ Arts & Humanities (3B)	3	_____
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____ Arts & Humanities (3B)	3	_____
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____ Social & Behavioral Sciences (3C)	3	____ EDUC275
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____ Historical Perspectives (3D)	3	_____
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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.

*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.



General Science Content Courses – 34 credits

____ AA 100* Intro to Astronomy	3	
____ AA101* Astronomy Laboratory	1	
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-OR-		
____ GEOL 120* Physical Geology	3	
____ GEOL 121* Physical Geology Lab	1	
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____ LIFE 102* Attributes of Living Systems	4	_____
____ LIFE 103* Bio Organisms-Animal/Plant	4	_____
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____ 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	_____
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____ PH 121* General Physics I	5	_____
____ PH 122* General Physics II	5	_____
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-OR-		
____ PH141* Physics for Sci & Eng I	5	_____
____ PH 142* Physics for Sci & Eng II	5	_____
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____ STAT 301* Intro to Statistical Methods	3	_____

Biology Concentration Content Courses – 37 - 38 credits

____ BZ 350* Molecular & General Genetics	4	_____
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-OR-		
____ SOCR 330 Principles of Genetics	3	_____
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____ BMS 300* Prin-Human Anat/Phys	4	_____
____ BZ 220* Introduction to Evolution	3	_____
____ BZ 310* Cell Biology	4	_____
____ LIFE 205 Microbial Biology	3	_____
____ LIFE 206 Microbial Biology Lab	2	_____
____ CHEM 245* Fundamentals of OChem	4	_____
____ CHEM 246 Fundamentals of OChem Lab	1	_____
____ LIFE 320* Ecology	3	_____
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____ MATH 155* Calculus-Bio Sci I	4	_____
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-OR-		
____ MATH 160* Calculus-Physical Sci I	4	_____

Need 6 credits of general science/mathematics electives:

____ Science Elective	_____
____ Science Elective	_____

