



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 – Physics Concentration  
 Curriculum Check-sheet  
 121 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 Physics 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. 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**:		
___ MATH160* Calculus-Physical Sci I (1B) <sup>4°</sup>		
___ Advanced Writing (2B)	3	
Biological/Physical Sciences (3A)		
___ LIFE 102* Attributes of Living Systems <sup>4°</sup>		
-AND-		
___ CHEM 111* General Chemistry I	4 <sup>°</sup>	
-AND-		
___ CHEM 112* General Chemistry I Lab	1 <sup>°</sup>	
___ Arts and Humanities (3B)	3	
___ Add'l Arts and Humanities (3B)	3	
___ Social/Behavioral Sciences (3C)	3 <sup>°</sup>	___ EDUC275
___ Historical Perspectives (3D)	3	
___ Global & Cultural Awareness (3E)	3	
Depth & Integration (4A, 4B, 4C)		
___ EDUC 485B Student Teaching-Sec	11 <sup>°</sup>	
___ EDUC 493A Seminar: Prof Relations	1 <sup>°</sup>	

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

<sup>°</sup>Requirements met with other required coursework

\*Offered Summer Semester

<sup>Ω</sup>Offered only Fall Semester

<sup>Σ</sup>Offered only Spring Semester

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

**Teaching Concentration (Content) Courses – 70 credits**

___ AA 100* Intro to Astronomy	3	
___ AA 101* Intro to Astronomy Lab	1	
___ 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	
___ CS 160* Foundations in Programming	4	
___ LIFE 102* Attributes of Living Systems	4	
___ LIFE 103* Bio Organisms-Animal/Plant	4	
___ MATH 160* Calculus-Physical Sci I	4	
___ MATH 161* Calculus-Physical Sci II	4	
___ MATH 261* Calculus-Physical Sci III	4	
___ PH141* Physics for Sci & Eng I	5	
___ PH 142 Physics for Sci & Eng II	5	
___ PH 245 <sup>Ω</sup> Intro to Electronics	3	
___ PH 314 <sup>Σ</sup> Intro to Modern Physics	4	
___ PH 315 <sup>Σ</sup> Modern Physics Lab	2	
___ PH 353 <sup>Ω</sup> Optics & Waves	4	
___ PH 361 <sup>Σ</sup> Physical Thermodynamics	3	

Need 7 credits of general science/mathematics electives:

___ Science Elective	
___ Science Elective	

