

**Cleveland State University - College of Education and Human Services**  
**CSUteach STEM - Integrated Science (Physics), Grades 7-12**  
**Bachelor of Arts in Physics, education license**

Student Name \_\_\_\_\_

CSU ID # \_\_\_\_\_

PROFESSIONAL EDUCATION				
	Credits	Gen Ed	Sem	Grade
<b>General Education Courses Required for Licensure</b>				
PSY 221: Adolescent Psychology	3	SS	B	
EDC 200: Diversity in Educational Settings	3	DIV	B	
<b>Foundations</b>				
EUT 201: Step I: Inquiry Approaches to Teaching	1		B	
EDB 242: Introduction to Education	3		Sp	
<b>STEM Education Content</b>				
EUT 210: Perspectives on Science and Mathematics	3	WAC	Sp	
SCI 311: Research Methods	3	WAC	Fa	
EDB 302: Psychological Foundations of Education	3	WAC	Fa	
EUT 305: Classroom Interactions	3		Sp	
EDL 305: Content Area Literacy	3		Fa	
ESE 400: Introduction to Special Education	3	WAC	B	
EUT 417: Project-based Instruction in Science	3		Fa	
*EST 399: CSUteach STEM Apprentice Teaching I	1		Fa	
<b>Culminating Experience</b>				
*EST 499: CSUteach STEM Apprentice Teaching II (Prereq: EUT 317 & EST 399; 75% Major Field courses, 2.75 Cum GPA; 2.50 Major Field GPA, 3.0 Prof GPA)	6		Sp	

\*Firm Application Deadlines for Apprentice Teaching I & II are February 15 (Fall Semester) and September 15 (Spring Semester).

**CSUteach Admission Requirements to Teacher Licensure Programs**

Apply for admission to the College of Education & Human Services via an intake interview with an Education advisor, JH 170, at least one semester in advance of prior to the intake interview, you must have achieved or completed all of the following:

1. Completion of 30 credit hours of college-level course work
2. Earn a grade of B- or higher in BOTH a college-level English composition course AND a college-level mathematics course. Evidence of competency may be met with
3. Have an overall UG GPA of 2.75. Course work taken at other institutions is counted in calculating your GPA until you have completed 12 or more credit hours at
4. Completion of a Civilian Background Check for both BCI and FBI
5. Students MUST be accepted into licensure program and maintain at least a 2.75 cumulative GPA to be eligible for 300-400 level professional education courses.

Candidates seeking licensure are required to satisfy additional portfolio requirements (See <https://www.csuohio.edu/cehs/epportfolio/hot-topics-taskstream-resources>)

CONTENT REQUIREMENTS				
	Credits	Gen Ed	Sem	Grade
<b>Physics Requirements</b>				
PHY 241/243/243H: University Physics I	5	NS	B	
PHY 242/244/244H: University Physics II	5	NS	B	
PHY 330: Introduction to Modern Physics	3		Sp	
PHY 470: Environmental Physics	3		Fa	
PHY 474: Thermal Physics (capstone)	4		Fa	
PHY Elective: 3xx-4xx	3		B	
PHY Elective: 3xx-4xx	3		B	
PHY Elective: 3xx-4xx	3		B	
PHY Elective: 3xx-4xx	3		B	
<b>Biology Requirements</b>				
BIO 200/201: Introductory Biology I - Lab	4	NS	B	
BIO 202/203: Introductory Biology II - Lab	4	NS	B	
BIO 304/305: Population Biology & Ecology - Lab	4		Sp	
<b>Chemistry Requirements</b>				
CHM 255: Principles of Environmental Chemistry	3		Sp	
CHM 261/266: General Chemistry I - Lab	4	NS	B	
CHM 262/267: General Chemistry II - Lab	4	NS	B	
<b>Environmental Science Requirements</b>				
EVS 206: Introduction to Environmental Science	3	NS	B	
GEO 100/101: Introduction to Geology - Lab	4	NS	B	
PHY 201: Astronomy: Stars & Galaxies	3	NS	B	
<b>Mathematics Requirements</b>				
MTH 147: Statistical Concepts with Applications	3	M/QL	B	
MTH 181: Calculus I	4	M/QL	B	
MTH 182: Calculus II	4	M/QL	B	
MTH 281: Multivariable Calculus	4		B	
CIS 151: Invitation to Computing	3		B	
CIS 260: Introduction to Programming	4		B	

\*\* These are guidelines only. Please confirm with department for semester offered

**Summary of Credits**

Professional Education	38
Other General Education Courses (not all listed)	16
Major Field Requirement:	90
<b>Total</b>	<b>144</b>

Evaluator's Signature \_\_\_\_\_

Date \_\_\_\_\_

The following Pearson OAE exams must be taken prior to student teaching and passed before you can apply for the Integrated Science (7-12) license. You must designate CSU as your education preparation institution each time you register for the OAE as CSU will need to have a copy on file to approve your on-line license application. Go to <http://www.oh.nesinc.com> for more information about the OAE and to register for the exams.

Test	Code	Length	Passing Score
Assessment of Professional Knowledge: Adolescent to Young Adult	003	3 hrs	220
Integrated Science	024	3 hrs	220