

**Cleveland State University**  
**College of Education and Human Services**  
**CSUteach Program**  
**Integrated Science (Chemistry), Grades 7-12**  
**Post-Baccalaureate**

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

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

PROFESSIONAL EDUCATION			
(Must be accepted into Licensure program and maintain at least a 2.50 Cum. GPA to be eligible for 300-400 level professional education courses).	Credits	Sem.	√
<b>Foundations</b>			
EUT 201: Step 1: Inquiry Approaches to Teaching	1	B	
EUT 217: Step 2: Inquiry-Based Lesson Design in Science	1	B	
<b>STEM Education Content</b>			
EUT 210: Perspectives on Science and Mathematics	3	Sp	
PHY 301: Research Methods	3	Fa	
<b>STEM Education Professional Courses</b>			
EUT 302: Knowing & Learning in Mathematics & Science	3	Fa	
EUT 305: Classroom Interactions	3	Sp	
EDL 305: Content Area Literacy	3	B	
*EUT 317: 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; 75% Major Field courses; 2.50 Cum GPA; 2.50 Major Field GPA; 2.75 Prof. GPA]	6	Sp	

LICENSURE REQUIREMENTS			
Biology Requirements	Credits	Sem.*	√
CHM 255: Principles of Environmental Chemistry -OR- CHM 404: Environmental Chemistry	3	Sp	
CHM 261/266: General Chemistry I + Lab	4	B	
CHM 262/267: General Chemistry II + Lab	4	B	
CHM 310/ 315: Survey of Analytical Chemistry + Lab	4	Fa	
CHM 320: Survey of Physical Chemistry	3	C	
CHM 331: Organic Chemistry I	3	B	
<b>Physics Requirements</b>			
PHY 221: College Physics I	5	B	
PHY 222: College Physics II	5	B	
PHY 470: Environmental Physics	3	Fa	
<b>Biology Requirement</b>			
BIO 200/201: Introductory Biology I + Lab	4	B	
BIO 202/203: Introductory Biology II + Lab	4	B	
BIO 304/305: Population Biology & Evolution + Lab	4	Sp	
<b>Environmental Science Requirement</b>			
EVS 206/207: Intro to Environmental Science + Lab	4	B	
GEO 100/101: Introduction to Geology + Lab	4	B	
PHY 201: Astronomy: Stars & Galaxies	3	B	
<b>Mathematics Requirements</b>			
MTH 147: Statistical Concepts with Applications	3	B	
MTH 181: Calculus I	4	B	
MTH 182: Calculus II	4	B	

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

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

The following OAE exams must be taken prior to student teaching and passed before you can apply for your license. You must designate CSU as a score recipient each time you register to have those exams that you pass permanently recorded on your transcript.

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

**Summary of Credits**

Professional Education: 27  
 Licensure Requirements: 68  
 Total 95

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 Evaluator's Signature

\_\_\_\_\_  
 Date