

**Cleveland State University**  
**College of Education and Human Services**  
**CSUteach Program**  
**Integrated Science (Biology), 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	
SCI 311: 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.*	√
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	
BIO 310/311: Genetics + Lab	4	B	
<b>Chemistry Requirements</b>			
CHM 255: Principles of Environmental Chemistry	3	Sp	
CHM 261/266: General Chemistry I + Lab	4	B	
CHM 262/267: General Chemistry II + Lab	4	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>Environmental Science Requirements</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	

\*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.

**Summary of Credits**

Professional Education: 27  
 Licensure Requirements: 58  
 Total 85

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

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

\_\_\_\_\_  
 Date