

Cleveland State University
College of Education and Human Services
CSUteach Program

Integrated Mathematics & Single Field Physics Licenses, Grades 7-12 (BA Physics)
Undergraduate

Student Name _____

CSU ID # _____

GENERAL EDUCATION			
Complete the General Education requirements for selected major, including specific courses noted below	Credits	Sem.	√
PSY 221: Adolescent Psychology	3	B	
EDC 300: Diversity in Educational Settings	3	B	
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.	√
Foundations			
EUT 201: Step 1: Inquiry Approaches to Teaching	1	B	
EUT 217: Step 2: Inquiry-Based Lesson Design in Science	1	B	
STEM Education Content			
EUT 210: Perspectives on Science and Mathematics	3	Sp	
SCI 311: Research Methods	3	Fa	
MTH 201: Functions and Modeling	3	Sp	
STEM Education Professional Courses			
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	
Culminating Experience			
*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	

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

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
Mathematics	027	4hr15min	220
Physics	035	3hr45min	220

^This program enables a candidate to obtain two separate licenses in the State of Ohio. During ATI and ATII, candidates will have a split experience (physics and mathematics) and will complete edTPA for both licenses.

Content Requirements				
Physics Requirements		Credits	Sem.**	√
PHY 241/243/243H: University Physics I		5	B	
PHY 242/244/244H: University Physics II		5	B	
PHY 330: Introduction to Modern Physics		3	Sp	
PHY 470: Environmental Physics		3	Fa	
PHY 474: Thermal Physics (capstone)		4	Fa	
PHY Elective (300/400)		3	Fa	
PHY Elective (300/400)		3	Fa	
PHY Elective (300/400)		3	B	
PHY Elective (300/400)		3	B	
PHY Elective (300/400)		3	B	
Mathematics Requirements				
MTH 181: Calculus I		4	B	
MTH 182: Calculus II		4	B	
MTH 220: Introduction to Discrete Mathematics		3	B	
MTH 281: Multivariable Calculus		4	B	
MTH 288: Linear Algebra		3	B	
MTH 301: Introduction to Number Theory		3	Fa	
MTH 323: Statistical Methods		3	B	
MTH 333: Geometry		3	Fa	
MTH 358: Abstract Algebra		3	Sp	
MTH 424: Probability Theory & Application		3	Fa	
Choose One Sequence: Biology or Chemistry				
BIO 200/201: General Biology I + Lab		4	B	
BIO 202/203: General Biology II + Lab		4	B	
CHM 380: Prin of Chem Mid Sch Teachers		3	Su	
CHM 261/266: General Chemistry I + Lab		4	B	
CHM 262/267: General Chemistry II + Lab		4	B	
BIO 380/381: Bio Content Mid School Teachers		4	Su	
Additional Requirements				
EVS 206/207: Introduction to Environmental Science + Lab		4	B	
CIS 151: Invitation to Computing		3	B	
CIS 260: Introduction to Programming		4	B	

Summary of Credits

Professional Education: 36
 Other general education courses (not all listed) 16
 Major Field 90-91
 Total 142-143

Evaluator's Signature _____

Date _____