

# Cleveland State University - College of Education and Public Affairs



**CSUteach STEM - Integrated Mathematics + single field Physics, Grades 7-12**  
**Bachelor of Art in Physics, minor Math, education license**

**Student Name** \_\_\_\_\_ **CSU ID** \_\_\_\_\_

## CSUteach Admission Requirements to Teacher Licensure Programs

Apply for admission to the College of Education & Public Affairs via an intake appointment with an Education advisor, JH 170, at least one semester in advance of desired entrance. □

**Prior to the intake appointment, 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 specific ACT, SAT or Praxis scores. See advisor for details. □
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 CSU after which only the CSU GPA is considered. □
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. □

### PROFESSIONAL EDUCATION

### TRANSFER CLASS & SUBSTITUTE

Course Number	Credits	Gen. Ed	√	Sem.	Course Sub Name	University	Term/Year	Credits	Degree Audit
<b>GENERAL EDUCATION COURSES REQUIRED FOR LICENSURE</b>									
PSY 221: Adolescent Psychology	3	SS							
EDC 200: Diversity in Educational Settings	3	DIV							
<b>FOUNDATIONS</b>									
EUT 201: Step 1: Inquiry Approaches to Teaching	1								
EDB 242: Introduction to Education	3	DIV							
<b>PROFESSIONAL COURSES</b>									
EUT 210: Perspectives on Science and Mathematics	3	A&H WAC							
MTH 201: Functions and Modeling	3								
EUT 311: Research Methods in the Sciences	3	WAC							
EDB 302: Psychological Foundations of Education	3	WAC							
EUT 305: Classroom Interactions	3								
EDL 305: Reading in the Content Area	3								
ESE 400: Introduction to Special Education	3	WAC							

EUT 415: Project-based Instruction in Mathematics	3								
EUT 417: Project-based Instruction in Science	3								
*EST 399: CSUteach STEM Apprentice Teaching I	1								
<b>CULMINATING EXPERIENCE</b>									
*EST 499: CSUteach STEM Apprentice Teaching II	6								
[Prereq: EUT 415 & EST 399; 75% Major Field courses; 2.75 Cum GPA; 2.50 Major Field GPA; 3.0 Prof. GPA]									
<b>CONTENT REQUIREMENTS</b>									
<b>Physics Requirements</b>									
PHY 241/243: University Physics I	5	NS							
PHY 242/244: University Physics II	5	NS							
PHY 330: Introduction to Modern Physics	3								
PHY 470: Environmental Physics	3								
PHY 474: Thermal Physics (capstone)	4								
PHY 498 Capstone Senior Project	1								
PHY Elective (300/400)	3								
PHY Elective (300/400)	3								
PHY Elective (300/400)	3								
PHY Elective (300/400)	3								
<b>Mathematics Requirements</b>									
MTH 181: Calculus	4	M/QL							
MTH 182: Calculus II	4	M/QL							
MTH 220: Discrete Mathematics	3								
MTH 281: Multivariable Calculus	4								
MTH 288: Linear Algebra	3								
MTH 301: Introduction to Number Theory	3								
STA 323: Statistical Methods	3								
MTH 333: Geometry	3								
MTH 358: Abstract Algebra	3								
STA 424: Probability and Mathematical Statistics	3								
<b>Science Sequence</b>									

BIO 380/381 Bio Content Mid Sch Teachers	4								
CHM 380 Prin of Chem Mid Sch Teachers	3								

<b>Additional Requirements</b>									
EVS 206 Intro to Enviro Science	4	NS							
CIS 151 Invitation to Computing	3								
CIS 260 Intro to Programming	3								

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

*\*This program enables a candidate to obtain two separate licenses in the State of Ohio. Students are required to take both methods courses (EUT 415 and 417) and candidates will have a split experience (physics and mathematics) but will complete one edTPA. □*

<b>Summary of Credits</b>	
Professional Education:	39
Other General Education Courses (not all listed):	16
Major Field Requirement:	90-91
Total	145-146

**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 Mathematics and single field Physics licenses. 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	Length	Passing Score	Code
Assessment of Professional Knowledge: Adolescent to Young Adult* □	3 hrs	220	003
Integrated Mathematics □	4 hrs 15 min	220	027
Physics □	4 hrs 15 min	220	035

\*A score of 37 on the EdTPA can serve as a substitute for the APK test requirement (ask your advisor for more information)

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

<b>STUDENT FOLLOW UP NOTES</b>
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College of Education  
& Human Services



Cleveland State  
University  
*engaged learning*