

[Prereq: EUT 415, 417 & EST 399; 75% Major Field courses; 2.75 Cum GPA; 2.50 Major Field GPA; 3.0 Prof. GPA]	6								
CONTENT REQUIREMENTS <input type="checkbox"/>									
Mathematics Requirements	Credits	√	Sem.	Course Sub Name	University	Term/Year	Credits	Degree Audit	
MTH 181: Calculus	4								
MTH 182: Calculus II	4								
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								
Physics Requirements <input type="checkbox"/>									
PHY 241/243: University Physics I	5								
PHY 242/244: University Physics II	5								
PHY 330: Introduction to Modern Physics	3								
PHY 470: Environmental Physics	3								
PHY 474: Thermal Physics	4								
Additional Requirements <input type="checkbox"/>									
BIO 380/381: Bio Content Mid School Teachers	4								
CHM 380: Prin of Chem Mid Sch Teache	3								
EVS 206: Intro to Environmental Science	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.

Summary of Credits	
Professional Education:	35
Major Field Requirement:	63
Total	98
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>).

STUDENT FOLLOW UP NOTES



College of Education
& Human Services



Cleveland State
University
engaged learning