

Grand Valley State University
CLAS Academic Advising Center

C-1-140 Mackinac Hall

616-331-8585

Graduate Teacher Certification Planned Program

Physics Major – Secondary Education¹

Student Name:

Date:

Email Address:

G#:

Transfer Institution(s):

Key: ✓ - Completed or In Progress W - Waived Highlighted - Still Needs to be Completed

Physics Major – Required Courses

Course Number	✓	Course Name	Credits	Completed	Scheduled	Grade	Quality Points
PHY 230		Principles of Physics I	5				
PHY 231		Principles of Physics II	5				
PHY 302		Introduction to Modern Physics	4				
PHY 309		Experimental Methods in Physics	4				
PHY 311		Advanced Laboratory II	2				
PHY 330		Intermediate Mechanics	4				
PHY 340		Electromagnetic Fields	4				
PHY 350		Intermediate Modern Physics	4				
PHY 360		Statistical Thermodynamics	4				
PHY 485		Senior Physics Project I	1				
PHY 486		Senior Physics Project II	2				
Elective		One upper level elective (300-400 level) ³	varies				
CHM 115		Principles of Chemistry I	4				
CIS 261		Structured Programming in C	3				
MTH 201		Calculus I	4				
MTH 202		Calculus II	4				
MTH 203		Calculus III	4				
MTH 227		Linear Algebra I (if taking MTH 304)	3				
MTH 300		Applied Analysis I	3				
		OR					
MTH 401		Mathematics for the Physical Sciences	4				
MTH 304		Analysis of Differential Equations	3				
		OR					
MTH 302		Linear Algebra & Differential Equations	4				
HSC 201 ²		The Scientific Revolution	3				
		OR					
HSC 202		The Technological Revolution	3				
		OR					
		Similar course with dept. approval	3				
PHY 105		Descriptive Astronomy	3				
BIO 328 ²		Biomedical Ethics	3				
		OR					
BIO 338		Environmental Ethics	3				
		OR					
		Similar course with dept. approval	3				
BIO 120		General Biology I	4				
Elective ³		One 3 credit elective chosen with dept.	3				

Total Credits Needed: 86 – 87

Cumulative GPA: _____

Special Considerations:

¹ All students seeking teacher certification are required to assist for at least 30 clock hours in the department's tutoring program or at least 30 clock hours as a laboratory assistant setting up equipment and demonstrations as well as helping students in a laboratory setting. Required reading and experience in laboratory safety will be part of this laboratory setting.

² HSC 201/202 and BIO 328/338 are the recommended History of Science and Bioethics courses. Students may propose similar courses, if taken elsewhere, to fulfill this requirement.

³ These electives must be chosen from the following: PHY 105 (requirement for secondary certification); any 300 or 400 level physics elective, excluding PHY 303, 306, and 307; CHM 351, 352, 356, or 358.

Notes:

Substitutions, Equivalencies, and Waivers Approved By:

Date:

Prepared By:

Date:

Academic Departmental Approval (Pending Completion of Highlighted Requirements):

Date:

Clarification on Second Degree Requirements:

This planned program includes the content area courses required to be eligible to apply for the Graduate Teacher Certification Program or obtain a Teaching Endorsement. It does not reflect the requirements necessary to obtain a second bachelor's degree from Grand Valley State University. A second bachelor's degree is **not necessary** to gain admission to the GTC program or obtain additional certification endorsements.

If you are interested in pursuing an additional undergraduate bachelor's degree, it will require more courses beyond those needed for the content areas. Please contact the CLAS Academic Advising Center if you are interested in this information.

1 copy student; 1 copy CLAS Advising Center File; 1 copy College of Education; 1 copy Major Program Advisor

Next Steps:

1. If you have not already done so, you must attend a Graduate Teacher Certification workshop sponsored by the College of Education. You can schedule a time to attend by calling their Student Information and Services Center at 616-331-6650.
2. Be prepared to provide any additional course materials, such as a syllabus or course description, especially for out of state classes and courses completed more than 10 years ago. This will help the academic departments when finalizing course evaluations and planned programs.
3. Contact the CLAS Academic Advising Center at 616-331-8585 to schedule an appointment if you need help registering.
4. Prior to admission to the program, you should schedule an appointment with the Graduate Teacher Certification Coordinator in the College of Education. You can schedule that appointment by calling 616-331-6650.

Graduate Teacher Certification. Candidates who already possess an approved baccalaureate degree may consider certification at either the undergraduate or graduate level. Because of the need for careful assessment in choosing the appropriate program, students should first contact the Student Information and Services Center to request background materials and register to attend one of the regularly scheduled information meetings. Candidates considering the graduate program must be able to undertake full-time

study for approximately one calendar year. This program is offered partially online or fully online. See program advisor for program details.

Minimum admission requirements for the graduate certification program include:

1. Completion of the baccalaureate degree from a regionally accredited institution at least one year prior to application with a GPA of 3.0 or higher for the final 60 semester credits.
2. Possession of completion of a teachable major with a GPA of 3.0 or higher. Secondary candidates must also possess or complete a teachable minor before final certification.
3. Successful completion of Professional Readiness Exam (PRE). Michigan law requires students to pass the PRE test prior to Student Teaching placement.
4. Successful completion of Michigan Subject Area Test in teachable major.
5. Documentation of 25 hours age-appropriate experience with children or youth.
6. Signed statement regarding criminal activity.
7. Completion of EDT 619 Curricular Integration of Ed Technology (for elementary teachers only). Secondary take EDT 627 Technology Integration for Secondary Teachers.
8. Admission to graduate studies.
9. Completion of application materials for graduate teacher certification program.
10. Elementary candidates must complete PED 265 Teaching Health in Elementary Schools and PED 266 Move-Dance-Learn! PE and Dance for Elementary Education.

Note: Students seeking a major in world languages must pass the Oral Proficiency Interview (OPI) prior to their student teaching semester.

Exit Requirements

Candidates will be eligible for Michigan Provisional Certification after completion of the following:

1. Successful completion of all coursework.
2. G.P.A. of 3.0 in the major, minor and professional requirements.
3. Passing scores on the Michigan Subject Area Tests (MTTC). Elementary candidates must pass the Elementary Test; if they also pass subject area tests in their approved major, these will also be added to their certificate. Secondary candidates must pass subject area tests in their major and minor.
4. Completion of CPR (Adult/Child) Instruction and First Aid (Standard or Basic).
5. Updated criminal background information if any changes since original application for admission to the College of Education, contact the GTC Coordinator to confirm the change(s) are on file in the Student Information and Services Center.

Updated 06/17/2016