

SECONDARY CERTIFICATION TEACHING MAJOR/MINOR PHYSICS

Major Requirements

A minimum of 32 semester hours is required.

Code	Title	Credit Hours
Required Courses		
PHYS 150 & 150L	General Physics I and General Physics I Lab/Dis	4
PHYS 151 & 151L	General Physics II and General Physics II Lab/Dis	4
PHYS 305	Contemporary Physics	3
PHYS 401	Mechanics	3
PHYS 403	Electricity and Magnetism	3
Electives		
Select from the following:		15
PHYS 320	Environmental Physics	
PHYS 360	Instrumentation for Scientists	
PHYS 405	Optics	
PHYS 406	Thermal and Statistical Physic	
PHYS 453	Quantum Mechanics	
PHYS 457	Atomic and Nuclear Physics	
PHYS 460	Advanced Physics Laboratory	
PHYS 463	Solid State Physics	
Total Credit Hours		32

Major Notes:

1. A minimum GPA of 2.75 is required for a major.
2. For the major, 18 semester hours must be in courses numbered 300 or above.
3. At least 15 semester hours in UM-Dearborn courses required for a major.

Program Notes:

1. Minimum GPA's are required for program completion: 2.75 cumulative, 2.75 in major, 2.75 in minor, and 2.75 in Professional Studies.
2. Advising Policy: The student is responsible for complying with requirements described in the Undergraduate Catalog as well as on the Four Phase Checklist. Students are expected to meet with their College of Education, Health, and Human Services advisor at least once per year and in the term prior to graduation.
3. Courses taken on a PASS/FAIL basis will NOT be accepted toward program completion.
4. CEHHS recommends successful program completers for State of Michigan Certification, however, it is ultimately up to the State of Michigan to issue certificates. Certain offenses on a criminal record can keep individuals from obtaining teacher certification. Please refer to The Revised School Code, Act 451 of 1976, section 380.1539b.
5. Initial certification program students must have passing scores on the appropriate MTTC subject area test reported to the University of Michigan-Dearborn College of Education, Health, and Human Services by

electronic delivery or direct mail from Pearson Evaluation Systems prior to student teaching.

6. Certified teachers pursuing an endorsement in a post-degree program must complete all program requirements and have passing scores on the appropriate MTTC subject area test reported to the University of Michigan-Dearborn College of Education, Health, and Human Services by electronic delivery or direct mail from Pearson Evaluation Systems prior to a recommendation being made to the State of Michigan Department of Education.

Minor Requirements

A minimum of 21 semester hours is required.

Code	Title	Credit Hours
Required courses		
Select from the following:		4
PHYS 125 & 125L	Introductory Physics I and Introductory Physics I Lab/Dis	
PHYS 150 & 150L	General Physics I and General Physics I Lab/Dis	
Select from the following:		4
PHYS 126 & 126L	Introductory Physics II and Intro Physics II Lab/Dis	
PHYS 151 & 151L	General Physics II and General Physics II Lab/Dis	
PHYS 305	Contemporary Physics	3
EDD 481	Practicum in Science:Secnd Grd	1
Additional hours selected from the following:		9
PHYS 320	Environmental Physics	
PHYS 360	Instrumentation for Scientists	
PHYS 401	Mechanics	
PHYS 403	Electricity and Magnetism	
PHYS 405	Optics	
PHYS 453	Quantum Mechanics	
PHYS 457	Atomic and Nuclear Physics	
PHYS 460	Advanced Physics Laboratory	
PHYS 463	Solid State Physics	
Total Credit Hours		21

Notes:

1. A minimum GPA of 2.75 is required for a minor.
2. For the minor, 9 semester hours must be in courses numbered 300 or above.