

# Physics --Teacher Certification (7-12)

Name: \_\_\_\_\_

Major (s) (1) \_\_\_\_\_ (2) \_\_\_\_\_

## College Core Requirements

1. Common Intellectual Experience  
 CIE 100 \_\_\_\_\_ CIE 200 \_\_\_\_\_
2. Foreign Language (two courses)  
 \_\_\_\_\_
3. Deductive Reasoning (R)  
 \_\_\_\_\_
4. Scientific inquiry/experimentation (S)  
 \_\_\_\_\_
5. Social Scientific inquiry (SS)  
 \_\_\_\_\_
6. Quantitative reasoning (Q)  
 \_\_\_\_\_
7. Humanistic inquiry (H)  
 \_\_\_\_\_
8. Artistic/performance (A)  
 \_\_\_\_\_
9. DN/GN and O courses (Only 2 from student's major)  
 DN Course \_\_\_\_\_  
 GN Course \_\_\_\_\_  
 O Course \_\_\_\_\_
10. Linked inquiry (LINQ)  
 \_\_\_\_\_
11. Core Capstone (CCAP)  
 \_\_\_\_\_
12. Experiential Learning Project (XLP)  
 \_\_\_\_\_

## Physics Major Requirements (52 credits)

Physics majors who intend to pursue teacher certification must take the following:

PHYS 121Q _____	PHYS 122Q _____
PHYS 201 _____	PHYS 207W _____
PHYS 299 _____	PHYS 450W _____
PHYS 499 (0 cr.) _____	

**And any three of:** 304 (Thermal Physics), 401 (Applications of Quantum Mechanics), 409 (Electrodynamics), 410 (Classical Mechanics)

PHYS _____	PHYS _____
PHYS _____	

**and any two lab courses from:** 328W (Analog Electronics), 329W (Digital Electronics), 338W (Advanced Physics Laboratory I), 339W (Advanced Physics Laboratory II).

PHYS _____	PHYS _____
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**and at least four credits** of additional work at the 300-level or above

PHYS _____
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### **Mathematics**

MATH 112 _____
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### **Computer Science**

CS 173 _____
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## Also Required For Certification (4 credits)

One of the following:

BIO 101Q _____	or	BIO 102Q _____	or
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ENV 100 _____
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## PA teacher certification requirements

(38 credits including EDUC-453 student teaching, 12 cr.)

EDUC 100 _____	265 _____	320 _____	350W _____
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EDUC 360 _____	375 _____	443 _____	453 _____	454 _____
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## Additional Requirements

**Basic Skills exams:** PAPA or CORE or SAT/ACT \_\_\_\_\_

**Praxis II** content exam: \_\_\_\_\_

**3.0 GPA overall** and in **EDUC** courses; and **2.50** in required **Physics and math** courses

Major department recommendation

Work as a laboratory assistant or help session staff.