

Physics --Teacher Certification (7-12)

Name: _____

Major (s) (1) _____ (2) _____

College Core Requirements

- Common Intellectual Experience
CIE 100 _____ CIE 200 _____
- Foreign Language (two courses)

- Deductive Reasoning (R)

- Scientific inquiry/experimentation (S)

- Social Scientific inquiry (SS)

- Quantitative reasoning (Q)

- Humanistic inquiry (H)

- Artistic/performance (A)

- DN/GN and O courses (Only 2 from student's major)
DN Course _____
GN Course _____
O Course _____
- Linked inquiry (LINQ)

- Core Capstone (CCAP)

- 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 _____

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

PHYS _____

Mathematics

MATH 112 _____

Computer Science

CS 173 _____

Also Required For Certification (4 credits)

One of the following:

BIO 101Q _____ or BIO 102Q _____ or

ENV 100 _____

PA teacher certification requirements

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

EDUC 100 _____ 265 _____ 320 _____ 350W _____

EDUC 360 _____ 375 _____ 443 _____ 453 _____ 454 _____

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.