Notes:
1. Please visit the teaching majors advisor early to ask questions.
2. Some teaching students prefer to put in more effort and get the B.S. in Physics while completing the teaching courses needed to certify. Another option is to get the B.S. in Applied Physics, and select education classes as your emphasis. These options give them the option to teach, continue to graduate school or work in industry. It is not necessary to get a teaching degree to certify to teach.
3. Color code: blue = math, orange = lower level, purple = lab, yellow = careers, green = education, red = physics electives

**B.S. Physics Teaching**

**Required**

- MATH 112 (or AP) Calculus I
- MATH 113 Calculus II
- MATH 302 Math for Eng. 1
- MATH 303 Math for Eng. 2
- MATH 313 Linear Alg
- MATH 314 Calculus many
- MATH 334 Diff. Equations

**Prerequisite**

- PHYS 121 Mechanics
- PHYS 123 Waves, optics, thermo
- PHYS 220 Elec & Mag
- PHYS 222 Modern Phys
- PHYS Elective See note to the right
- PHYS Elective See note to the right
- PHYS Elective See note to the right

**Concurrent**

- PHYS 191 Phys Careers & Research (0.5 hr) F, 1st term
- PHYS 140 Electronics (1.0 hr) WSp
- PHYS 145 Expt. Phys (1.0 hr) FSp
- PHYS 127 Desc. Astronomy FSpSu
- PHYS Elective See note to the right
- PHYS Elective See note to the right

**Elective Group A:** Complete up to 6 hrs from the following: Phscs 137, 167, 281, 310, 311, 313R, Hist 291, Phil 423.

**Elective Group B:** Complete at least 6 hrs from any 300-, 400-, or 500-level physics courses, not including 310, 311, and 399R. Phys 321, 461, and 471 are highly recommended.

**Other highly recommended courses**

- Phys 230 (Computational Physics 1)
- Chem 105 (General Chem 1)
- Chem 106 (General Chem 2)

**Physics Teaching elective courses**

Complete 12 hours of electives from the following groups (see B.S. Physics flowchart for prereq information):

- Elective Group A: Complete up to 6 hrs from the following: Phscs 137, 167, 281, 310, 311, 313R, Hist 291, Phil 423.
- Elective Group B: Complete at least 6 hrs from any 300-, 400-, or 500-level physics courses, not including 310, 311, and 399R. Phys 321, 461, and 471 are highly recommended.

**Other highly recommended courses**

- Phys 230 (Computational Physics 1)
- Chem 105 (General Chem 1)
- Chem 106 (General Chem 2)