

Bachelor of Science-Science Teaching, Physics Emphasis	
Suggested Plan of Study	
Advisors: M. Womack 320-308-4171, mwomack@stcloudstate.edu, K. Haglin (dept chair)	
<b>First semester</b>	<b>Second Semester</b>
PHYS 234 (5) <sup>2</sup> MATH 221 (5) Racial Issues Gen. Ed (3) ENGL 191 (4)  Total credit: 17      Take PPST	PHYS 235 (5) <sup>2</sup> MATH 222 (4) CMST 192 (3) PESS 122 (1) Gen Ed Diversity (3) Total credit: 16
<b>Third Semester</b>	<b>Fourth Semester</b>
Phys 328 (3) Engr 332 (3) <sup>1</sup> Bio 151 (4) Ed 3000 (3) CEEP 262 (3) ENG/ED 460 (2) Total credit: 18 Application to major, teacher ed due	Phys 329 (3) <sup>1</sup> BIOL 152 (4) HLTH 301 (2) EAS 205 (4) <sup>2</sup> CHEM 210 (4) ENG/ED 460 (2) Total credit = 17
<b>Fifth Semester</b>	<b>Sixth Semester</b>
<sup>2</sup> CHEM 211 (4) CEEP 361 (3) DEM CIT (3) Gen Ed Diversity (3) ASTR 205 (4) Total credit = 17	SCI 420 (4) EAS 205 (4) HURL 497/498 (4) <sup>4</sup> PHYS Elective (3) IM 422 (2) Total credit: 17 Application for student teaching due
<b>Seventh Semester</b>	<b>Eighth Semester</b>
PHIL 194 (3) SCI 430 (4) PHYS 430 (2) or PHYS 415 (2) SPED 425 (2) ED 421/431/441 (6) Total credit = 17 Register at start of semester for PRAXIS II content to be taken toward end of semester	ED 466 SCI 440 (3)

#### NOTES:

This program meets Minnesota Board of Teaching licensure requirements for beginning teachers of any science at the 5 grade levels and of physics at the 9-12 grade levels. If students in this major intend to graduate in four years they must:

- NOT complete the core or general education in the first two years – they need to take the introductory science classes.
- Be admitted to this major before the second semester of their sophomore year.
- Not need remedial work in high school math or chemistry (i.e. need MATH 070, 072 or CHEM 140).

<sup>1</sup>BIOL 151 and 152 may be taken in any order; 151 is not a prerequisite for 152.

<sup>2</sup>Placement exams are required in order to enroll in any CHEM or MATH course and for IM 422. For information contact the Chemistry Dept at 320-308-3031, the Math Dept at 320-308-3001, and the Center for Information Media at 320-308-2062.

<sup>3</sup>Taking the required courses CEEP 262 and 361 earns a 3 credit waiver of the General Education Distribution in area C. The required course HURL 497/498 also counts in the General Education Distribution in area C and as one of the required Diversity (MGM) courses. Students in this major need no additional General Education courses in Area C and should take their other two Diversity courses (including the Racial Issues course) in General Education Distribution area A. Students in this major will earn 9 credits of waiver in Distribution area B and do not need any general education courses in this area.

<sup>4</sup>Possible electives include: ASTR 311, 312, 323, 427, ENGR 334, PHYS 333, 338, 346, 431 (and others – all other physics, astr, engr 3xx not already taken above are possible electives).