

Secondary Science Teaching Emphasis

Program Requirements

Required Major Credits (Common Biology Core):	22
Environmental Studies or Science Electives:	6
Elective Major Credits:	8
Required Supporting Credits:	9
Required Minor (none required):	0
Required Specified Liberal Arts Core Credits:	25
Required PTEP Credits	38
Elective Liberal Arts Core Credits:	15
University-wide Elective Credits:	0
Total Credits required for this degree	123

*Course Category

Bio Core	Biology Core Course (required)
Emphasis	Required Major Course (emphasis)
Elective	Elective Major Course
Sup Sci	Supporting Science or Mathematics Course (required)
LAC (sp)	Liberal Arts Core (required specified)
LAC	Liberal Arts Core
Uni Elec	University-wide elective course
PTEP	Professional Teacher Education Program

Notes

- 1: LAC courses can be taken any semester. It is strongly suggested they be evenly distributed over the entire 4 years of study rather than concentrated in the first 2 years. **Note: Be certain to select courses from Areas 7 and 8 that also count for Areas 3, 4, or 5.**
For the Liberal Arts Core Electives, it is strongly recommended that ENST 100, Introduction to Environmental Science is taken.
- 2: Either PHYS 220/221 or PHYS 240/241 can be taken. PHYS 240/241 can be substituted but both MATH 131 and MATH 132 are required.
- 3: This is an elective category. Choose any additional 6 credits of the Sciences or Environmental Studies courses. Discuss selection with your advisor.
It is strongly recommended that ENST 265 Conservation of Natural Resources and/or Advanced Biology Electives be selected for these electives if you think you may decide to change to another BIO emphasis.
- 4: Capstone Professional Experience requirement is met by completing STEP 464.
- 5: All Biology Majors must take the School of Biological Sciences Exit Exam during the last Semester (on campus) of Senior Year.
- 6: All Biology Majors - Secondary Science Teaching Emphasis are required to have a minimum of a 2.5 GPA in all courses taken to meet their major requirements.
- 7: Students receiving "D" or "F" in BIO courses taken to meet their major requirements must repeat the courses or take suitable alternative courses as approved by their major advisor and school director.
- 8: Either BIO 350 Human Physiology or BIO 354 Plant Physiology are required. BIO 350 is normally a spring only course and BIO 354 is fall only.
- 9: For Liberal Arts Core Area 5, it is strongly recommended that GEOG 100, GEOG, 110, or GEOG 200 be taken for category 5b.
- 10: AST 100 General Astronomy or MET 205 General Meteorology also meet LAC electives.
- 11: PTEP Checkpoint courses are zero-credit, pass-fail courses that are used for the PTEP application and student teaching application.
EDFE 110 must be taken the semester before STEP 161; EDFE 120 must be taken the semester before STEP 363; and EDFE 130 must be taken the semester before STEP 464.
- 12: To get full admission in PTEP, you need to demonstrate competence in written English ("B" or better in LAC area 1a or 1b)
- 13: Students in Secondary Teaching Emphasis must maintain a 2.5 GPA in their major (this includes required BIO and other supporting courses)
Prior to student teaching, students must pass the PRAXIS Science Examination.