



**B.S. Biology Secondary Teaching**  
**Lake Superior State University**  
**Degree Audit Sheet (DA endorsement) Effective Fall 2008**

Name \_\_\_\_\_ ID# \_\_\_\_\_ Advisor \_\_\_\_\_  
 Expected Date of Graduation \_\_\_\_\_ Dept. Chair Approval \_\_\_\_\_

*Enter semester (i.e. F08) and grade (i.e. B) for each class at LSSU, for transfer credits enter BOTH: 'TR' and the grade. The Certification GPA for the BIOL major and PES will include all grades from all institutions.*

**Biology Secondary Teaching Grade/Sem.**  
**[min. grade=C; min GPA=2.70, max 39 credits]**

- BIOL122 Anatomy and Physiology II (4) \_\_\_\_\_  
*(BIOL121 prerequisite)*
- BIOL131 General Biology I (4) \_\_\_\_\_
- BIOL132 General Biology II (4) \_\_\_\_\_
- BIOL204 General Microbiology (4) \_\_\_\_\_
- BIOL220 Genetics (4) \_\_\_\_\_
- BIOL240 Natl. History of the Vert. (3) \_\_\_\_\_
- BIOL280 Biometrics (3) \_\_\_\_\_
- BIOL330 Animal Physiology (4) \_\_\_\_\_
- BIOL337 General Ecology (3) \_\_\_\_\_
- BIOL420 Populations Genetics (3) \_\_\_\_\_
- Complete one methods course from following two:*
- EDUC443 Second Meth Science 3 \_\_\_\_\_
- EDUC453 Ind Study Science Methods \_\_\_\_\_

**Biology Departmental Req. (9-11 credits)**

- BIOL199 Freshman Seminar (1) \_\_\_\_\_
- BIOL299 Sophomore Seminar (1) \_\_\_\_\_
- BIOL399 Junior Seminar (1) \_\_\_\_\_
- BIOL495 Senior Project (1-3) \_\_\_\_\_
- BIOL499 Senior Seminar (1) \_\_\_\_\_
- BIOL Electives (9 cr. total – specify below)**
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Biology Cognates (23 credits)**

- CHEM115 General Chemistry I (5) \_\_\_\_\_
- CHEM116 General Chemistry II (4) \_\_\_\_\_
- CHEM220 Surv. Org. Chem. I (4) \_\_\_\_\_
- MATH111 College Algebra (3) \_\_\_\_\_
- MATH112 Calc. Busin. & Life Sci (4) \_\_\_\_\_
- MATH207 Princ Statistical Meth (3) \_\_\_\_\_

**General Education Requirements (36-42)**

- Check if MACRAO or GE-Cert completed*
- ENGL110 First year composition I 3 \_\_\_\_\_
- ENGL111 First year composition II 3 \_\_\_\_\_
- COMM101 Fundamentals Speech 3 \_\_\_\_\_
- HUMN251 Humanities I 4 \_\_\_\_\_
- \*HUMN electives 3-4 (e.g. ARTS251) \_\_\_\_\_
- Social Science elective 3-4 \_\_\_\_\_
- Social Science elective 3-4 \_\_\_\_\_

- \*Natural Science elective 4 (e.g. BIOL131) \_\_\_\_\_
- \*Natural Science elective 4 (e.g. CHEM115) \_\_\_\_\_
- \*Math elec 3-5 (e.g. MATH207) \_\_\_\_\_
- \*Diversity elec 3-4 (e.g. EDUC250) \_\_\_\_\_

**Professional Education Sequence [PES]**  
**[min. grade = B- incl. tranfer; max cr = 34]**

- EDUC150 Reflec. on Teach./Learn. (3) \_\_\_\_\_
- EDUC 250 Student Div. & Schools (3) \_\_\_\_\_
- Must be Admit. to Ed. Prior to 301. - Date of admission:*
- EDUC 301 Learn. Theory Teach. Prac. (4) \_\_\_\_\_
- EDUC 430 Gen. Meth. Sec. Teac. (3) \_\_\_\_\_
- EDUC 431 The Secondary Learner (3) \_\_\_\_\_
- EDUC 440 Reading Content Area (3) \_\_\_\_\_

*\*Complete one methods course from following two:*

- EDUC443 Second Meth Science 3 \_\_\_\_\_
- EDUC453 Ind Study Science Methods \_\_\_\_\_

*Admission to Student Teaching required for following:*

- EDUC 480 Intern Teaching: Seminar (1) \_\_\_\_\_
- EDUC 492 Intern/Adv Meth: [subject] (8) \_\_\_\_\_
- Select one of the following two classes:*
- EDUC 602 Reflect Inq Teach. Practice I <OR>
- EDUC 605 Integ Appr Curr Desig Impl (3) \_\_\_\_\_

**Education Cognates (7 credits)**

- CSCI 101 Intro Computer Sci (3) \_\_\_\_\_
- \*MATH207 Princ Statistical Method (3) \_\_\_\_\_
- \*Minimum of one credit from courses in*
- ARTS, DANC, MUSC, THEA, or NATV240

**An approved teaching minor is required**

**(attach separate audit sheet min GPA=2.70, min grade=C)**

**List minor name and minor GPA:**

**Graduation Criteria include:**

- Residency: 50% of 300/400 courses earned at LSSU
  - Total credits in excess of 124, one minor required
  - GPA OVERALL & in major minimum of 2.70 (B-)
  - No courses in major below a "C" (2.00)
  - No education course below "B-" (2.70) in PES
- Courses from cognates or general education may be used to fulfill requirements of minors.

**Certification requires a passing grade on the MTTC BIOLOGY exam (test #017)**

Education \_\_\_\_\_ signed copy for Educ. Cert. file  
 Office use: Dean \_\_\_\_\_