

**B.S. Integrated Science Secondary 5-YR Teaching Option
Degree Audit Sheet (DI endorsement)
Comprehensive Major**



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

**Elementary Integrated Science Major
(74 credits)**

Sem/Grade

- BIOL122 Human Anat Phys 4 _____
- BIOL131 General Biology I 4 _____
- BIOL 132 General Biology II 4 _____
- BIOL 220 Genetics 4 _____
- BIOL 240 Nat. History Vert 4 _____
- BIOL 337 General Ecology 3 _____
- CHEM 115 General ChemI 5 _____
- CHEM 116 General Chem II 4 _____
- CHEM 105 Life Chemistry I 4 _____
- CHEM 231 Quant analysis 4 _____
- CHEM 332 Instrum Analysis 4 _____
- GEOL 121 Phys Hist Geol I 4 _____
- GEOL 122 Phys Hist Geol II 4 _____
- NSCI 116 Oceanography 4 _____
- NSCI 119 Astronomy 4 _____
- GEOG 108 Meteor Climatol 4 _____
- PHYS 221 Elem Physics I 4 _____
- PHYS 222 Elem Physics II 4 _____

Complete one methods course from following two:

- EDUC443 Second Meth Science 3 _____
- EDUC453 Ind Study Science Methods _____

Departmental Requirements (14 credits)

- MATH207 Princ. Stat Meth 3 _____
- MATH 112 Calculus Business Life or
MATH151 Calculus I 4 _____
- CHEM 395 Junior Seminar 1 _____
- CHEM 499 Senior Thesis 2 _____

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 _____
- Social Science elective 3-4 _____
- Social Science elective 3-4 _____
- Natural Science elective 4 _____
- Natural Science elective 4 _____

- Math elective 3-5 _____
- Diversity elective 3-4 _____

Professional Education Req. (46 credits)

- EDUC150 Reflec. on Teach./Learn. (3) _____
- EDUC 250 Student Div. & Schools (3) _____
- EDUC 301 Learn. The. 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 _____
- EDUC480 Intern Teaching:Seminar (1) _____
- EDUC480 Intern Teaching:Seminar (1) _____
- EDUC491 Intern/Adv Meth: [subject] (8) _____
- EDUC492 Intern/Adv Meth: [subject] (8) _____
- EDUC602 Reflect Inq Teach. Practice I (3) _____
- EDUC605 Integ Appr Curr Desig Implem (3) _____

Education Cognates (9-10 credits)

- CSCI 101 Intro Computer Sci (3) _____
- MATH207 Princ Statistical Method (3) _____
- Three credits (3) from courses in
ARTS, DANC, MUSC, THEA, or NATV240

**This program does not require a minor to qualify for
teacher certification in Michigan.**

Electives to total at least 148 credits

Office Use Only:

- GPA in major/minor 2.70 (B-) average
 - GPA in education courses 2.70 (B-) average
 - No courses in major/minor below 2.00 (C)
 - No education course below 2.70 (B-)
- Courses from cognates or general education
may be used to fulfill requirements of minor

Chair, School of Education

Dean, College of Natural and Mathematical Sciences