B.S. BIOLOGY  
Secondary Ed. Certification (7-12)  

I. General Education Requirements (41 S.H. plus HPX)*

**Communication Skills (3 S.H.)**
- COM 160, 161 or 162  
- Has completed one Writing Intensive (W) course  Yes_____ No_____

**Humanities (15 S.H. minimum, including 3 of 7 fields):**
- Fine and Applied Arts - only 1 studio course accepted toward minimum - Foreign Language, Humanistic Studies, Literature, Philosophy, Western History, Communication
- Fine/Applied Arts  
- HIS 148  American History: To 1877  
  HIS 149  American History: Since 1877  
- Foreign Language**(See below)**
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- Social & Behavioral Sciences (12 S.H. minimum, including 2 of 3 fields: Non-Western Culture, Psychology, Social Sciences)
  - PSY 100 Introduction to Psychology  
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- Natural Sciences & Mathematics (11 S.H. minimum)
  - CHE 110, 111 General Chemistry I & II  (4 - 4)  
  - MAT  
  - HPX 177 Fitness for Life  

II. MAJOR REQUIREMENTS (38 Semester Hours)

- BIO 103, 104 General Biology I & II  (4-4)  
- BIO 200  Ecology  
- BIO 205  Animal Physiology  
  - OR  BIO 207 Plant Physiology  
- BIO 300  Cell Biology  
- BIO 312  Genetics  
- BIO 325  Evolutionary Biology  
- BIO 370  Senior Research (Prerequisite BIO 360)  
- CHE 210, 211 Organic Chemistry I & II  (4 - 4)  

III. Secondary Education Certification Requirements (35 S.H.)

See reverse side for listing of required courses and minimum grade for Secondary Education Certification

IV. Free Electives+ (9 S.H.)

| Number | Title | Credits |
|--------|-------|---------|}

Foreign Language Requirement Completed :  Yes_____ No_____  
+Minimum of 125 S.H. and a 2.8 GPA for B.S. Degree

Total Transfer Credits  

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*General education requirements at WestConn total 42 semester hours. In some instances, work toward a major program partially fulfills general education requirements. The remaining general education requirements for this program are shown above.

**If the foreign language requirement has been met, students must select another 9 S.H. of course work under the Humanities category.
Secondary Education Certification

B.S. Biology

A G.P.A. of 2.67 or higher is required upon the completion of 60 credits of coursework at WestConn and/or another institution for students to remain as a self-declared education major.

This major may be selected by a student seeking a secondary education teaching certificate.

Formal admission into this Secondary Education Program by the Education Department is required. A student will earn a Bachelor of Science degree. A minimum of 125 semester hours is required for a B.S. degree. Passing Praxis I (or a waiver) is required before admittance to the Secondary Education Program will be granted. Although not a requirement for graduation, passing scores on the appropriate Praxis II exam(s) are necessary for program completion and subsequent recommendation for certification.

SECONDARY EDUCATION CERTIFICATION REQUIREMENTS (35 S.H.)

◆◆EPY 204 Adolescent Development in the School Setting (Prereq. PSY 100, GPA ≥ 2.67) 3
◆◆ED 206 Introduction to Education (GPA ≥ 2.67) 3
◆◆HPX 215 Health Issues in the School (GPA ≥ 2.67) 3

Professional Semester
◆◆EPY 405 Introduction to Special Education (Prereq: EPY 204) 3
◆◆ED 385 Methods of Teaching in Secondary Schools 3
◆◆ED 386 Secondary Professional Development School Experience 1
◆◆ED 440 Integrating Language (Fall Only) 3
◆◆ED 442 Teaching Science in Secondary Schools 3

Student Teaching (13 S.H. Spring Semester Only)
ED/MED 340 Assessment of Teaching Strategies 1
ED 342 Student Teaching 12

◆ A minimum grade of “C” is required in these courses.
◆◆ A minimum grade of “B” is required in these courses.

6/05, 6/06, 6/09, 6/25/09