1. **Degree/Major Title:**
   Secondary Biology Education, BA

2. **Contact person:** Diane Schmidt
   
   **College:** Education
   
   **Department/School:** Curriculum, Instruction & Culture
   
   **Telephone:** 239-590-7741

3. **Briefly describe the proposed revision(s).**
   
   This Program Revision replaces EDF 3201 Diversity of Human Experience (6) with EDF XXXX Adolescent Growth & Development (3) and TSL 4340 Methods, Curriculum, and Instructional Effectiveness in ESOL (3). The revision also replaces EDF 3201 Professional Studies with EEX 4070 Integrating Exceptional Students in Regular Education (3) and EDF 3253 Learning Management in the Inclusive Classroom (3).

4. **Effective date:** Fall 2014
   
   Changes are effective in the fall of the year. Exceptions are approved only in unusual circumstances with adequate justification.

5. **Briefly explain the rationale for the proposed revision.**
   
   Link the proposed revision to assessment and institutional effectiveness activities (feedback from students, market demands, program evaluation, resource allocation, etc.).

   These changes will benefit the secondary education majors in two ways. 1) Our annual data review revealed that less than 70% of secondary education majors are reaching the targeted expectation for applying Florida ESOL Professional Standards to their planning and teaching activities. Students will have an additional course in ESOL methods to address this issue. 2) Eliminating the six hour courses will
address difficulties students experience in scheduling content courses from the College of Arts & Sciences.

6. Describe additional library resources needed to support this revision? Explain rationale for response, even if answer is None.

None, current resources needed for these revisions already exist in the other undergraduate programs.

7. Describe additional faculty resources needed to support this revision? Explain rationale for response, even if answer is None.

None, faculty responsible for current courses being dropped will teach the new courses being added.

8. Describe additional technology, facility, laboratory, or other resources needed to support this revision? Explain rationale for response, even if answer is None.

None, no special equipment or facilities are needed for these courses.

9. What impact will the proposed revision have on other colleges, units, or programs?

Secondary Education changes are being made in conjunction with all the undergraduate programs to ensure courses and resources are adequate for all programs.

10. New courses:

☐ No new courses are required.

☒ New courses are needed. List prefix/number/title below. Complete a Course Add Form for each from the Curriculum Management System - https://midas.fgcu.edu/acadaff/scns/.

EDF 3132 Adolescent Growth & Development

11. Change to existing courses:

☒ No existing courses are being changed.

☐ Existing courses are being changed. List prefix/number/title below. Complete a Course Change Form for each from the Curriculum Management System - https://midas.fgcu.edu/acadaff/scns/.

12. Termination of existing courses:

☒ No existing courses are being deleted from the FGCU course inventory.

☐ Courses are being terminated. List prefix/number/title below. Complete a Course Terminate Form for each course from the Curriculum Management System - https://midas.fgcu.edu/acadaff/scns/.

13. Catalog copy:

See Instructions above.

14. Additional remarks:

APPROVALS (required prior to submission)

Department/Program Chair/Director

College Curriculum Committee Chair

College Dean

Date 1/27/14

Date 1/28/14

Does another department or unit provide related expertise or offer similar courses? ☒ No ☐ Yes (If yes, have the other department complete the following. Attach a separate sheet if needed.)
Florida Gulf Coast University  UNDERGRADUATE Degree/Major Revision Proposal

Department/Unit:
☐ Supports this proposal  ☐ Does not support this proposal  ☐ Defers Recommendation

Authorizing signature: ____________________________ Date _________________
Comments:

FGCU Undergraduate Curriculum Team or Graduate Curriculum Team
☐ Approves   ☐ Approves w/conditions   ☐ Does not approve

Signature: ____________________________ Date _________________
Comments/Conditions:
Secondary Biology Education BA
Program Requirements for 2014-2015 Catalog Year

The General Education Program Website is located at http://www.fgcu.edu/general_education

1. FGCU General Education Program (GEP) (36 hrs)
   Refer to the General Education Program for more information.
   1. Communication (6 hrs)
   2. Mathematics (6 hrs)
   3. Humanities (9 hrs)
   4. Social Sciences (6-9 hrs)
   5. Natural Sciences (6-9 hrs)

   Note: At least one Natural Sciences course must include a laboratory or field component. Courses meeting this requirement contain a "C" or "L" in their course numbers. Each combined lecture and laboratory course (marked with a C) is equivalent to taking the lecture and laboratory separately.

2. Common Prerequisites (variable)*

   - EDF 2005* Intro to Teach Prof (3)
   - EDF 2085* Intro to Diversity for Educ (3)
   - EME 2040* Intro to Tech for Educ (3)
   - In addition to EDF 2085, a minimum of 6 hrs with an international or diversity focus is required. Eligible courses will be determined by the community college or university where the student is currently earning the Associate of Arts or baccalaureate degree. Foreign language courses may be used to meet this requirement.
   - Other program prerequisites:
     o BSC 101C Biology w/lab (8 hrs)
     o Chemistry w/Lab or Physics w/Lab (8 hrs)
     [CHM 1045C and CHM 1046C recommended]
     o MAC 2311 Calculus I (4)

*Courses must be completed with a minimum grade of C or better.

3. Required Courses in the Major (51-54 hrs)
   The following course sequence assumes a fall start with full-time attendance. Students beginning in spring or summer or attending part-time should see a College of Education Advisor.

   Education Courses

   - EDF XXXX Adolescent Growth & Development (3)
   - EDF 3253 Learning Mgmt Inclusive Class (3)
   - EDF 4470 Classric Assessment (3)
   - Diversity of Human Experience (6)
   - EDG 3201 Professional Studies (6)
   - EEX 4070 Integrating Exceptional Students in Regular Ed (3)
   - EDF 4470 Assessment & Action Research (3)
   - EDG 49376 Senior Seminar: Science Education 6-Initial Teacher Prep 12 (3)
   - SCE 4330 Science Methods: 6-12 (3)
     [spring-only]
   - RED 4350 Literacy Content & Processes (3)
• RED 4350 Literacy Content & Processes (3)
• TSL 4520 Second Language Acquisition, Communication & Culture (3)
• EDF 4470 Assessment & Action Research (3)
• PCB 3023C Cell Biology (3)
• PCB 3043C General Ecology (3)
• PCB 3063C Genetics (3)
• SCE 4330 Science Methods 6-12 (3)
• SCE 4940 Internship: Science Education 6-12 (9)
• SCE 4941 Integrated Field Experience: Science Education 6-12 (3)
• TSL 4340 Methods, Curriculum & Instructional Effectiveness (3)
• TSL 4520 Second Language Acquisition, Communication & Culture (3)
• ZOO 3713C Vertebrate Form and Function (3)
  Internships

• SCE 4940 Internship: Science Education 6-12 (9)
• SCE 4941 Integrated Field Experience: Science Education 6-12 (3)
• SCE 4940 Internship: Science Education 6-12 (9)

Required Content Courses

• PCB 3043C General Ecology (3)
• ZOO 3713C Vertebrate Form and Function (3)
• PCB 3023C Cell Biology (3)
• PCB 3063C Genetics (3)

Block 5

4. Subject Area Restricted Electives* (6-8 hrs)

Select from the following with approval of the college academic advisor:

• ISC 3120C Scientific Process (3)
• PCB 3703C Human Physiology (3)
• PCB 3673 Evolutionary Biology (3)
• PCB 3723C Comparative Animal Physiology (3)

  And upper division courses in molecular biology, cellular biology, organismal biology, or environmental studies.

5. University Requirements (3 hrs)

• IDS 3920 University Colloquium (3)
6. Additional Electives (variable)
Additional electives may be required to reach a minimum of 120 credit hours for the baccalaureate degree.

TOTAL SEMESTER HOURS REQUIRED: 120 HRS

Additional Graduation Requirements

- A grade of C or higher in all College of Education (COE) courses with an overall GPA of 2.5 in all COE coursework and in all coursework attempted.
- Pass the Florida Teacher Certification Examination (FTCE), including the Professional Education examination, the subject area examination and the General Knowledge Test (the CLAST will meet this requirement if passed prior to July 1, 2002.)
- A minimum of 48 upper division hours (courses numbered 3000 and higher).
- Complete 30 of the last 60 hours at FGCU.
- Satisfy foreign language admission requirement.
- Satisfy Service Learning requirement. www.fgcu.edu/connect/
- Attain a proficient evaluation on the Teacher Effectiveness Portfolio.

Transfer Notes and Acceptable Substitutes

The COE limits the transfer of coursework into its upper-division, undergraduate programs. To be considered, courses must have been completed with a minimum grade of C and no more than five years prior to the date of entry into the College of Education undergraduate program.

- EDF 2005: may substitute EDF X005 (3)
- EDF 2085: may substitute EDF X085 (3)
- EME 2040: may substitute EME X040 (3)
- Biology w/Lab: may substitute BSC X010/X010L (4) & BSC X011/X011L (4) or BSC X010C (4) & BSC X011C (4)
- Chemistry w/Lab or Physics w/Lab: may substitute Chemistry w/Lab or Physics w/Lab: may substitute CHM X045C (4) or CHM X045/X045L (4) or CHM X046C (4) or CHM X046/X046L (4) or PHY X048C (4) or PHY X048/X048L (4) or PHY X053/X053L (4) or PHY X049C (4) or PHY X049/X049L (4) or PHY X053/X053L (4) or PHY X054/X054L (4)
- MAC 2311: may substitute MAC X311 (4) or MAC X241 (4)

For All Majors: Students are strongly encouraged to select required lower division electives that will enhance their general education coursework and that will support their intended baccalaureate degree program. Students should consult with an academic advisor in their major degree area.
# Suggested Course Sequence

**SECONDARY BIOLOGY EDUCATION (B.A.)**  
Department of Curriculum, Instruction & Culture  
Web Address: [http://coe.fgcu.edu/secbioedba/](http://coe.fgcu.edu/secbioedba/)

The following course sequence assumes full-time attendance.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall Admission</th>
<th>Spring Admission</th>
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<tbody>
<tr>
<td>Fall</td>
<td>• EDF XXXX Adolescent Growth &amp; Development (3)</td>
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<td>• EEX 4070 Integrating Exceptional Students in Regular Ed (3)</td>
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<td>• Required Content Course 1</td>
<td>• TSL 4520 Second Language Acquisition,</td>
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<td>• Required Content Course 2</td>
<td>Communication &amp; Culture (3)</td>
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<td>• Required Content Course 4</td>
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- PCB 3043C General Ecology (3)
- ZOO 3713C Vertebrate Form and Function (3)
- PCB 3023C Cell Biology (3)
- PCB 3063C Genetics (3)

Subject Area Electives* (6 hrs)

Select from the following with approval of the college academic advisor:

- PCB 3703C Human Physiology (3)
- PCB 3673 Evolutionary Biology (3)
- PCB 3723C Comparative Animal Physiology (3)
- Upper division courses in molecular biology, cellular biology, organismal biology, chemistry, physics, or environmental studies