### Kennesaw State University

**Department of Biology, Evolution and Organismal Biology**

*See [http://catalog.kennesaw.edu](http://catalog.kennesaw.edu) for general education comments, prerequisites, course descriptions, program details, and graduation requirements.*

**CHECKLIST | Effective Fall 2016**

#### GENERAL EDUCATION (45 hrs)

**AREA A: Essential Skills**
- ENGL 1101 Composition I (3 hrs)
- ENGL 1102 Composition II (3 hrs)
- MATH 1112 College Trig or MATH 1113 (3 hrs) PreCalculus *

**AREA B: Institutional Options *(Recommended by Department)*
- ECON 1000 Contemporary Economics Issues (3 hrs)
- COM 1100 Human Recommmunication (3 hrs) *

**AREA C: Humanities/Fine Arts**
Select 1 of 10 Literature of the World:
- ENGL 2110, 2111, 2112, 2120, 2121, 2122, 2130, 2131, 2132, or 2300 (3 hrs)

Select 1 three hour Arts and Culture of the World course:
- ART, MUSI, TPS, or DANC 1107

**AREA D: Science, Math, and Technology**
- CHEM 1211 General Chemistry I Lab (3 hrs)
- CHEM 1211L General Chemistry I Lab (1 hr)
- CHEM 1212 General Chemistry II (3 hrs)
- CHEM 1212L General Chemistry II Lab (1 hr)
- MATH 1190 Calculus I (4 hrs)

**AREA E: Social Sciences *(Recommended by Department)*
- POLS 1101 American Government (3 hrs)
- HIST 2112 America Since 1890 (3 hrs) *
- HIST 1100 Introduction to World History (3 hrs) *
- STS 1101 Science, Technology, and Society (3 hrs) *

**INSTITUTIONAL REQUIREMENT**
- WELL 1000 Fitness for Living (3 hrs)

**FREE ELECTIVES (3 hrs)**
- KSU First Year Seminar (3 hrs) or Learning Community* 

**AREA F: LOWER DIVISION REQUIREMENTS (19 hrs)**
- BIOL 1107 Biological Principles I (3 hrs)
- BIOL 1107L Biological Principles I Lab (1 hrs)
- BIOL 1108 Biological Principles II (3 hrs)
- BIOL 1108L Biological Principles II Lab (1 hrs)
- PHYS 1111 Introduction to Physics I (3 hrs) *
- PHYS 1111L Introduction to Physics I Lab (1 hr) *
- PHYS 1112 Introduction to Physics II (3 hrs) *
- PHYS 1112L Introduction to Physics II Lab (1 hr) *

*You may choose to Complete PHYS 2211/2211L & PHYS 2212/2212 to meet the above requirement

**ADMISSION TO TEACHER EDUCATION**

- Complete an online application through the Student Services tab in your Owl Express account.
- Apply during the appropriate dates for that year/term. *
- Completed at least 45 semester hours.
- Complete EDSM 1101, 1102 & 2010 with a 'C' or better, a satisfactory field experience evaluation, and recommendation from the EDUC 2010 instructor.
- Achieved a 3.00 KSU adjusted GPA for guaranteed admission, but a 2.75 for consideration on a case-by-case basis.
- Register with the Georgia Professional Standards Commission to obtain a MyPSC account and PSC id #.
- Pass or exempt (STAT 1000 or ACT 43) the GACE Program Admissions Tests in Reading, Writing, and Math.

For details visit: [http://bagwell.kennesaw.edu/centers/ess/ess-resources/ess-forms](http://bagwell.kennesaw.edu/centers/ess/ess-resources/ess-forms)

---

### BS Biology, Education Track

**See [http://www.kennesaw.edu/owlteach](http://www.kennesaw.edu/owlteach)**

#### UPPER DIVISION MAJOR REQUIREMENTS

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3300 Genetics (3 hrs)</td>
<td></td>
</tr>
<tr>
<td>BIOL 3300L Genetics Lab (1 hr)</td>
<td></td>
</tr>
<tr>
<td>BIOL 3370 Ecology (3 hrs)</td>
<td></td>
</tr>
<tr>
<td>BIOL 3370L Ecology Lab (1 hr)</td>
<td></td>
</tr>
<tr>
<td>BIOL 3340 Microbiology (3 hrs)</td>
<td></td>
</tr>
<tr>
<td>BIOL 3410 Cell Biology (3 hrs)</td>
<td></td>
</tr>
<tr>
<td>BIOL 3XXX/4XXX Upper Level Elective (4 hrs)</td>
<td></td>
</tr>
<tr>
<td>BIOL 3110 Directed Methods or BIOL 4400 Directed Study (2 hrs)</td>
<td></td>
</tr>
<tr>
<td>CHEM 3361 Modern Organic Chemistry I (3 hrs)</td>
<td></td>
</tr>
<tr>
<td>CHEM 3361L Modern Organic Chemistry I Lab (1 hr)</td>
<td></td>
</tr>
<tr>
<td>CHEM 3362 Modern Organic Chemistry II (3 hrs)</td>
<td></td>
</tr>
<tr>
<td>CHEM 3362L Modern Organic Chemistry II Lab (1 hr)</td>
<td></td>
</tr>
<tr>
<td>STAT 3125 Biostatistics (3 hrs)</td>
<td></td>
</tr>
<tr>
<td>BIOL 4399 Final Semester Seminar (1 hr)</td>
<td></td>
</tr>
</tbody>
</table>

#### PROFESSIONAL EDUCATION REQUIREMENTS

**EDSM 1101 Step 1: Inquiry Approach to Teaching (1 hr) (10 hr field experience)**

**EDSM 1101 Step 2: Inquiry-based Lesson Design (1 hr) (10 hr field experience)**

**EDSM 2010 Knowing and Learning (2 hr)**

**SCED 2421 Classroom Interactions (3 hrs) (45 hr field experience)**

**SCED 3010 Perspectives on Science Teaching (3 hr)**

**BED 4422 Project-based Instruction (3 hrs) (45 hr field experience)**

**BED 4660 Year-long Clinical Practicum II (6 hrs) (560 hr field experience)**

**INED 3305 Teaching Students with Exceptionalities I (2 hrs)**

**INED 3306 Teaching Students with Exceptionalities II (1 hr)**

**INED 4435 Teaching Adolescent English Learners (1 hr)**

**INED 4436 Teaching Diverse Language Learners (2 hrs)**

**ITEC 3300 Improv. Teach. w/ Tech. in HS Classroom (3 hrs)**

* A cleared Background check is required to commence the OwlTeach sequence**

---

**First time, full-time students with less than 15 hours are required to satisfy the First Year requirement.

*Courses recommended by department, to see full list of courses to satisfy requirement view catalog**

---

**New students are required to take the online Math Advisement Placement Test (MAPT) available at [http://placement.kennesaw.edu](http://placement.kennesaw.edu). Students who do not start at MATH 1190 as their first MATH can use MATH 1111, MATH 1112, or MATH 1113 as Free Electives.**

**First time, full-time students with less than 15 hours are required to satisfy the First Year requirement.**

**You may choose to Complete PHYS 2211/2211L & PHYS 2212/2212 to meet the above requirement**

---

**MATH 1112 College Trig or MATH 1113 (3 hrs) PreCalculus**

** New students are required to take the online Math Advisement Placement Test (MAPT) available at [http://placement.kennesaw.edu](http://placement.kennesaw.edu). Students who do not start at MATH 1190 as their first MATH can use MATH 1111, MATH 1112, or MATH 1113 as Free Electives.**

**First time, full-time students with less than 15 hours are required to satisfy the First Year requirement.**

**Courses recommended by department, to see full list of courses to satisfy requirement view catalog"**