

## SOAR 2008: The Biology Curriculum at Georgia Southern University

---

### Biology Core Curriculum:

---

- BIOL 2107/2107L: **Principles of Biology I** [--> take Fall of Freshman year]
- BIOL 2108/2108L: **Principles of Biology II** [--> take Spring of Freshman year]
- BIOL 3130: **Genetics** [--> take Fall of Sophomore year]

**After completing these courses**, you also must take 22 (BA) or 32 (BS) hours of upper level biology. Additional requirements for these courses are:

- Take at least one course in each of the following areas:
    - Evolution and Ecology
    - Organismal Biology
    - Cell & Molecular (Sub-organismal) Biology
  - Take at least 3 upper level courses with a laboratory component
  - Take at least 4 hours of coursework that has a Scientific Process Component
- 

### Other Required Courses:

---

- **Math through Calculus I:** [try to finish your math courses as soon as you can]  
MATH 1112 - Trigonometry OR MATH 1113 - **Pre-Calculus**; MATH 1441 - **Calculus I**  
(--> MATH 1111 - **College Algebra** DOES NOT count as a CORE class for science majors)
  - CHEM 1145 & 1146: **General Chemistry I & II** [ordinarily taken as a **Freshman**]
  - CHEM 3341 & 3342: **Organic Chemistry I & II** [ordinarily taken as a **Sophomore**]
  - **Physical Sciences:** [ordinarily taken as a **Junior**; Physics is recommended for most students]  
**Take either:**
    - PHYS 1111 [2211]/1113 & 1112 [2212]/1114 : **General Physics I & II** [with or without Calculus]**or**
    - GEOL 1121 & 1122 : **Physical & Historical Geology** with appropriate labs  
[BA also requires completion of Foreign Language through the 2<sup>nd</sup> year]
- 

### Courses you SHOULD NOT take:

---

- Do **not** take BIOL 1130/1110: General Biology [this class is for non-science majors]
  - Do **not** take a Math class that is BELOW your preparation level  
--> take MATH 1111 - College Algebra ONLY if your math placement score dictates it  
--> if you're ready for Calculus I (MATH 1441), take it!  
--> if you don't need to take Trig (MATH 1112) or Pre-calculus (MATH 1113), those hours become FREE electives!
- 

**Suggested schedules:** Build your schedule from Biology/Chemistry courses (least flexible scheduling) to Humanities/Social Sciences courses (most flexible scheduling). These schedules are appropriate for all pre-professional programs.

---

#### 1) FALL (1<sup>st</sup> term):

CHEM 1145 (Gen. Chem. I) [4 credits]  
MATH at appropriate level [3-4]  
BIOL 2107/2107L [3/1]  
ENGL 1101 [3]  
FYE 1220 [2]

#### 2) SPRING (2<sup>nd</sup> term):

CHEM 1146 (Gen. Chem. I) [4]  
MATH at appropriate level [3-4]  
BIOL 2108/2108L [3/1]  
ENGL 1102 [3]  
KINS 1210 [1] or HLTH 1520 [2]

→ If you complete calculus (MATH 1441) your first term, substitute a humanities core elective or a social science core course (required: HIST 1112, HIST 2110, POLS 1101, ECON 2105 or (choose one) ANTH 1102, GEOG 1130, PSYC 1101, or SOCI 1101) for math during the second term.

---

**Note:** These schedules are 15-16 hours [regular full time]. You'll need to take at least this many hours each term to complete your degree on time.