

**General Education Core Curriculum Worksheet for Genetics Majors**



**I. Foundation Courses (9 hours)**

ENGL 1101 (3 hrs) \_\_\_\_\_  
 ENGL 1102 (3 hrs) \_\_\_\_\_  
 MATH 1113 (3 hrs) \_\_\_\_\_

**II. Sciences (7-8 hours) *One physical and one biological science—at least one with a lab***

CHEM 1211-1211L /1311H-1311L/1411-1411L (4 hrs) \_\_\_\_\_  
 BIOL 1107-1107L /2107H-2107L (4 hrs) \_\_\_\_\_

**III. Quantitative Reasoning (3-4 hours)**

MATH 2250 (4 hrs) \_\_\_\_\_

**IV. World Languages & Culture, Humanities & the Arts <sup>1</sup>(12 hours)**

*World Languages & Culture (9 hours) (Languages at the 1000 level earn 4 hrs. credit)*

(3-4 hrs) \_\_\_\_\_  
 (3-4 hrs) \_\_\_\_\_  
 (3 hrs) \_\_\_\_\_

*Humanities & the Arts (3 hrs)*

(3 hrs) \_\_\_\_\_

**V. Social Sciences<sup>2</sup> (9 hours)**

(3 hrs) \_\_\_\_\_  
 (3 hrs) \_\_\_\_\_  
 (3 hrs) \_\_\_\_\_

**VI. Courses Related to Program of Study (18 hours)**

BIOL 1108-1108L/2108H-2108L (4 hrs) \_\_\_\_\_  
 CHEM 1212-1212L/1312H-1312L/1412-1412L (4 hrs) \_\_\_\_\_  
 CHEM 2211-2211L/2311H-2311L/2411-2411L (4 hrs) \_\_\_\_\_  
 CHEM 2212-2212L/2312H-2312L/2412-2412L (4 hrs) \_\_\_\_\_  
 MATH 2260/2310H/2410H or STAT 2100H/4210 (3-4 hrs) \_\_\_\_\_

**UGA & Franklin College Requirements**

Constitution: Fed \_\_\_\_\_ GA \_\_\_\_\_ US/GA History \_\_\_\_\_ PEDB \_\_\_\_\_ Regents': Reading \_\_\_\_\_ Essay \_\_\_\_\_  
 Multicultural \_\_\_\_\_ For Lang III \_\_\_\_\_ Lit \_\_\_\_\_ Hist \_\_\_\_\_ (2) Social Sci \_\_\_\_\_ (2) FA/PHIL/REL \_\_\_\_\_

<sup>1</sup> Also may satisfy one or more of these Franklin College requirements: one literature, one multicultural, two fine art/phil/religion courses, 3<sup>rd</sup> semester foreign language.

<sup>2</sup> Franklin College requires one history and two non-history social sciences from two different departments. HIST 2111/2112 satisfy Regents' US history and POLS 1101 satisfies Regents' US and GA constitution requirements.

**Program of Study & Elective Worksheet for Genetics Majors<sup>1</sup>**



**Major Required Courses (35-37 hours)**

- BCMB 3100 or 4010 (Biochemistry) (4 hrs) \_\_\_\_\_
- GENE 3200 (Genetics) (4 hrs) \_\_\_\_\_
- GENE 3000 (Evolutionary Biology) (4 hrs) \_\_\_\_\_
- GENE 4200 (Advanced Genetics) (3 hrs) \_\_\_\_\_
- CBIO 3400 (Cell Biology) (4 hrs) \_\_\_\_\_
- GENE 4950 (Senior Seminar 1<sup>st</sup> section) (1 hr) \_\_\_\_\_
- GENE 4950 (Senior Seminar 2<sup>nd</sup> section) (1 hr) \_\_\_\_\_
- PHYS 1211-1211L or 1111-1111L (Physics I) (4 hrs) \_\_\_\_\_
- PHYS 1212-1212L or 1112-1112L (Physics II) (4 hrs) \_\_\_\_\_
- Two laboratory courses from the following<sup>2</sup>: GENE 3210L, 4210L, 4220L, 4230L, 4810L
- 1<sup>st</sup> semester laboratory (3-4 hrs): \_\_\_\_\_
- 2<sup>nd</sup> semester laboratory (3-4 hrs): \_\_\_\_\_

**Major Related Electives (9 hours)**

Choose 3000-level or above lecture, lecture-lab, laboratory courses from the following: **GENE (recommended electives: 4050, 4070, 4500/6500)**, BCMB, BIOL (except 3990, 4260, 4261), CBIO, CHEM, CSCI, ECOL, ENTO, MARS, MATH, MIBO, PBIO, STAT, VPHY.

No more than 4 hours may be earned in independent/directed study or research courses.

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_____	_____
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_____	_____

**General Electives (12-15 hours)**

*Include courses to complete Franklin College requirements not satisfied by core courses AND include 1-3 hours of upper division courses to fulfill Regents 39-Hour Rule<sup>3</sup>*

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_____	_____
_____	_____
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_____	_____
_____	_____
_____	_____

Minimum 121 Total Hours Required (including PE)

<sup>1</sup> A grade of C (2.0) or better is required in major required and major related elective courses.

<sup>2</sup> GENE 4960/4960H may substitute for one lab course only. Students who complete an Honors thesis take GENE 4960H and GENE 4970H instead of the required lab courses.

<sup>3</sup> A baccalaureate degree requires at least 39 semester hours of upper division work overall. A *minimum* of 36 upper division hours are earned in the genetics major, thus, at most, 3 hours of upper division electives may be needed to graduate.