

NAME: _____

ID#: _____

IN EFFECT SPRING 2021**GENETICS****PRE-DENTISTRY (PDEN), PRE-MEDICINE (PMED) & PRE-OPT (POPT) CURRICULUM****FRESHMAN YEAR**

ENGL 1100 English Comp I.....	3	ENGL 1120 English Comp II.....	3
MATH 1610 Calculus I.....	4	CORE HISTORY I.....	3
CHEM 1030 Fund. of Chemistry I ¹	3	CHEM 1040 Fund. of Chemistry II ¹	3
CHEM 1031 Chem I Lab.....	1	CHEM 1041 Chem II Lab.....	1
BIOL 1020 Principles of Biol.....	3	BIOL 1030 Organismal Biol.....	3
BIOL 1021 Principles of Biol Lab.....	1	BIOL 1031 Organismal Biol Lab.....	1
SCMH 1890 Pre-Health Orientation.....	1		
	16		14

SOPHOMORE YEAR

CHEM 2070 Organic Chem I.....	3	CHEM 2080 Organic Chem II.....	3
CHEM 2071 Organic I Lab.....	1	CHEM 2081 Organic II Lab.....	1
CORE HISTORY II.....	3	BIOL 3000/3003 & 3001 Genetics/Lab.....	4
PHYS 1500 Physics I.....	4	PHYS 1510 Physics II.....	4
CORE LITERATURE.....	3	STAT 2510 Statistics for Biol.....	3
	14		15

JUNIOR YEAR

BIOL 3200+3201 Microbiology.....	4	BIOL4100 Cell Biology.....	3
COMM 1000 Public Speaking.....	3	BIOL4101 Cell Biology Lab.....	2
PSYC 2010 Intro. to Psychology.....	3	BIOL 5220 Molecular Genetics.....	3
BIOL 5800 Computational Biol.....	3	CORE SOCIAL SCIENCE.....	3
BCHE 5180 Biochemistry I.....	3	BCHE 5190 Biochemistry II.....	3
	16		14

SENIOR YEAR

GENE CORE Elective.....	4	BIOL 5330 Developmental Genetics.....	3
BIOL 3030 Evolution and Systematics.....	3	GENE CORE Elective.....	4
PHIL 1030 Ethics and Health Sciences.....	3	GENE SUPP Elective.....	4
CORE FINE ART.....	3	FREE ELECTIVE.....	4
FREE ELECTIVE.....	3	UNIV 4AA0 SM1 Creed to Succeed.....	0
	16		15

TOTAL HOURS 120

Long range schedules for COSAM courses are online at <http://aub.ie/cosamlrs>

Courses in **BOLD** will be used to calculate GPA in major.

Options for courses labeled CORE are in the Auburn University Bulletin (www.auburn.edu/bulletin) under Core Curriculum.

Students should declare a major by the time they earn 60 hours. SEE THE BACK OF THIS SHEET for majors.

Students must complete all requirements for that major prior to graduation.

¹The Chemistry 1110/1111-1120/1121 sequence can automatically substitute for CHEM1030/1031-1040/1041.

Genetics Electives

GENE CORE Electives

BIOL 3020 Genomic Biology (4)
BIOL 4150 Human Genetics (3)
BIOL 5260 Prokaryotic Molecular Genetics (3)
BIOL 5320 Plant Gene Expression (3)
BIOL 5521 Gene Exp & Recom DNA (2)
BIOL 5850 Functional Genomics (3)
BIOL 5860 Bioinformatics and Genome Analysis (3)

GENE SUPP Electives

Any additional GENE CORE Elective

~~BIOL 3200/01 Microbiology (4)~~ [required as part of pre-health track; can't count twice]
BIOL 4410 Vertebrate Development (5)
BIOL 4920 Internship (up to 4)
BIOL 4970 Special Topics (as appropriate: i.e. Genetics of Mammalian Disease)
BIOL 4980 UG Research (up to 6)
BIOL 5050 Fundamentals of Biophysics (3)
BIOL 5230 Virology (3)
BIOL 5500 Immunology (3)
BIOL 5550 Nanomedicine (3)
BIOL 5600 Mammalian Physiology (5)
~~BCHE 5190 Biochemistry II (3)~~ [required as part of pre-health track; can't count twice]
~~PHYS 1510 College Physics II (4)~~ [required as part of pre-health track; can't count twice]
AGRI 3000 Agricultural Genetics (4)
ANSC 3500 Animal Breeding (3)
APBT 1000 Introduction to Applied Biotechnology (1)
APBT 3100 Applied Biotechnology I (4)
APBT 4100 Applied Biotechnology II (4)
CSES 5100/5103 Plant Genetics and Crop Improvement (3)
FORV 3200 Forest Tree Physiology (3)