

IN EFFECT FALL 2021**PRE-PHARMACY CURRICULUM (PPHR)****FIRST YEAR**

ENGL 1100 English Comp I	3	ENGL 1120 English Comp II	3
CORE SOCIAL SCIENCE.....	3	CORE FINE ARTS	3
CHEM 1030 Fund of Chem I	3	CHEM 1040 Fund of Chem II.....	3
CHEM 1031 Chem I Lab.....	1	CHEM 1041 Chem II Lab	1
CORE HISTORY I.....	3	BIOL 1020 Principles of Biology.....	3
SCMH 1890 Pre-Health Orient	1	BIOL 1021 Principles of Biology Lab.....	1
	14		14

SECOND YEAR

CHEM 2070 Organic Chem I.....	3	CHEM 2080 Organic Chem II.....	3
CHEM 2071 Lab	1	CHEM 2081 Organic Lab.....	1
CORE LITERATURE	3	COMM 1000 Public Speaking ¹	3
BIOL 2500 + 2501 Anat/Phys. I & Lab.....	4	BIOL 2510 + 2511 Anat/Phys. II & Lab	4
MATH 1610 Calculus I.....	4	CORE HISTORY or LIT ²	3
	15		14

THIRD YEAR

CORE SOCIAL SCIENCE or HUM ³	3	BCHE 3200 Biochemistry⁴.....	3
BIOL 3200+3201 Microbiology & Lab.....	4	STAT 2510 Statistics.....	3
BMSC Elective Group A⁵.....	9	BMSC Elective Group B⁵	6
	16	CORE SOCIAL SCIENCES.....	3
			15

TOTAL HOURS 88

All courses above this line are required for entry into the Harrison School of Pharmacy at Auburn University.
Other pharmacy schools may have different requirements.

BIOMEDICAL SCIENCES, PRE-PHARM (BMSC, PPHR)

If students choose to finish a 4 year-degree in Biomedical Sciences, Pre-Pharmacy, the following courses must also be completed. See an advisor for information on other degree options.

BIOL 1030+1031 Organismal Biol.....	4	Professional Elective ⁵	3
BMSC Elective Group B⁵.....	8	BMSC Elective Group B⁵	9
Free Elective	4	Free Elective	4
	16	UNIV 4AA0 SM1 Creed to Succeed.....	0
			16

TOTAL HOURS 120

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

Courses in **BOLD** are used to calculate the major GPA for students finishing the BMSC degree option. Harrison School of Pharmacy (HSOP) will use **all** courses in calculating GPAs for admission purposes.

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

¹ A CORE HUMANITIES may be substituted to meet entrance requirements to Harrison School of Pharmacy. Students who elect a class other than COMM 1000 will NOT meet the requirements for the Biomedical Sciences degree.

² Students must complete a two-course sequence in either HIST or LIT (for example, World History 1 and 2 or American Lit 1 and 2). For complete HIST and LIT sequence options, see the Bulletin.

³ If a LIT sequence is chosen, this course must be a CORE SOC SCI. If a HIST sequence is chosen, this course must be a CORE HUMANITIES.

⁴ BCHE 5180 may be automatically substituted for BCHE 3200.

⁵ Choices for BMSC Group A and B and Professional Electives are on the back of this sheet.

PRE-PHARMACY CURRICULUM (PPHR) 2021

Biomedical Sciences/Pre-Pharmacy (RBMS) Major Electives:

BMSC Major Electives Group A:

To qualify for the B.S. degree after 3 semesters of HSOP Pharmacy school, at least **9** of the **15** hours of BMSC Major electives in the junior year must be from the following list:

- BIOL 3000/01 Genetics
- BIOL 3010/11 Comp. Anatomy
- BIOL 3020 Genomic Biology
- BIOL 4000/01 Histology
- BIOL 4100/01 Cell Biology
- BIOL 4150 Human Genetics
- BIOL 4410 Vert. Development
- BIOL 5110 Parasitology
- BIOL 5200 Clinical Micro.
- BIOL 5220 Molecular Genetics
- BIOL 5230 Virology
- BIOL 5240 Animal Physiology
- BIOL 5330 Develop. Genetics
- BIOL 5600 Mammalian Phys.
- BIOL 5500 Immunology
- BIOL 5850 Functional Genomics

- CHEM 3160 Survey of Phys. Chem.
- CHEM 3050/51 Analytical Chem.
- CHEM 4130/31 Instrumental Analysis

- BCHE 5181 Biochem. I Lab
- BCHE 5190/91 Biochem. II Lecture/Lab

- LBSC 4010 Hematology

- PHYS 1500 General Physics I
- PHYS 1510 General Physics II

The remaining 6 hours (of the 15) may include any 3000+ level course in CHEM, BIOL, or PHYS, 4980 (up to 6 hours total) in any scientific discipline, study abroad with medical related content, foreign language (up to 4 hours), preceptorships, or science/medical related formal internships.

BMSC Major Electives Group B:

- Any course from **Group A**, or the following:
- Any* 3000+ level course in BIOL, CHEM, or PHYS
- Foreign Language (no more than 4 hours credit)
- LBSC 4010 (Hematology – 3 hours)
- MATH 1620
- PHYS 1600, 1607, 1610 or 1617
- SCMH 3810 or 3890 (Pre-PT Practicum or Pre-Medical Preceptorship)
- SCMH 4920 (Pre-health Internship)*
- SCMH 5940 (Pre-health related study abroad topic)

**Note: no more than 6 credit hours total of Undergraduate Research and no more than 6 hours of SCMH 4920 will be counted towards any degree.*

Professional Elective:

Choose 1 course from the following (3 hours needed):

Any Health Administration Course (HADM)

Any Accounting Course (ACCT)

Any 2000+ level Nursing (NURS) course open to non-Nursing students

Additional Foreign Language Course

COMM 2400	Communication in Organizations
COUN 3100	Counseling and Human Services
JRNL 2320	Basics of Journalism
KINE 3000	Medical Terminology
MKTG 3310	Principles of Marketing
MNGT 3100	Principles of Management
NTRI 2000	Nutrition and Health
PSYC 3120	Developmental Psychology
PSYC 3560	Abnormal Psychology
SOCY 4200	Medical Sociology

Students planning to apply to pharmacy schools other than Auburn may petition the COSAM Dean's Office to have prerequisite courses not included on this model count as Professional electives (See Academic Advisor for course substitution).