

Chemistry Pre-Pharmacy Check Sheet

Updated Aug. 2009

All students in the pre-pharmacy program are encouraged to have a back-up plan! Remember: merely passing the classes below in no-way guarantee's acceptance to a pharmacy school (limited seating). The plan below outlines one method for qualifying for pharmacy school while also taking the additional classes needed to stay on track for an 'parallel plan' of a BS degree in Chemistry. For those who are still uncertain, GSU Career Services offers a free online exam to help find careers matching your interests, skills, and values: <http://www.focuscareer.com/register/georgiasouthern.cfm>

1st two years: meeting UGA pre-pharmacy requirements and starting B.S. Chemistry degree

Freshman Year

Fall Semester (16 hrs)

- CHEM 1145 Principles of Chemistry I (4)
- ANTH 1102 or GEOG 1130 (3)*
- BIOL 2107/2107L Principles of Biology I/Lab (4)
- ENGL 1101 English Composition I (3)
- FYE 1220 First-Year Seminar (2)

Spring Semester (18 hrs)

- CHEM 1146 Principles of Chemistry II (4)
- MATH 1441 Calculus I (4)
- BIOL 2108/2108L Principles of Biology II/Lab (4)
- ENGL 1102 English Composition II (3)
- POLS 1101 American Government (3)

Sophomore Year

Fall Semester (17 hrs)

- CHEM 3341 Organic Chemistry I (4)
- HIST 2110 U.S. History (3)
- ECON 2105 Econ in Global Society (3)
- COMM 1110 Public Speaking (3)
- MATH 1442 Calculus II (4)

Spring Semester (17 hrs)

- CHEM 3342 Organic Chemistry II (4)
- HIST 1112 World History (3)*
- RELS 2130 or FORL (3)*
- STAT 2231 Intro to Statistics (3)
- KINS 2531/2511 Anatomy & Physiology I (4)**

PCAT Exam

- I. Achievement test on pre-pharmacy courses
Biology (58Q): general biology(60%), microbiology(20%), anatomy & physiology(20%), 35 min.
Chemistry (58Q): inorganic (65%) and organic (35%) chemistry, 35 min.
Quantitative Ability (58Q): pre-calculus (20%), calculus (30%), geometry (20%), statistics (10%), algebra (20%), 50 min.
(NO CALCULATORS!)
- II. Assessment of basic skills (life-long learning)
Verbal Ability (58Q): Analogies (60%) and sentence completions (40%), 35 min.
Reading Comprehension (48Q): 6 reading passages - Analysis (40%), Evaluation (30%), Comprehension (30%), 50 min.
- III. Conventions of Language
"Critical Thinking Essay" - 1 writing topic, 30 min.

3rd year: meet additional Mercer and South pharmacy requirements and continue B.S. Chemistry degree

Junior Year

Fall Semester (18 hrs)

- CHEM 2242 Analytical Chemistry (4)
- CHEM 2030 Principles of Chemistry Research (3)
- PSYC 1101 Intro to Psychology (3)***
- KINS 2532/2512 Anatomy & Physiology II (4)**
- PHYS 2211/1113 Physics I/Lab (4)

*UGA World Language & Culture elective

**Not required but recommended for PCAT Exam material and South University pharmacy

* **South University Pharmacy only (Mercer and GSU social science requirements already satisfied)

Spring Semester (15 hrs)

- CHEM 5541 Biochemistry I (4)
- Chemistry Elective (3)
- ENGL 2111 or 2112 World Literature (3)
- KINS (1)
- PHYS 2212/1114 Physics II/Lab (4)

4th year: complete B.S. Chemistry degree

Senior Year

Fall Semester (17 hrs)

- CHEM 3441 Physical Chemistry I (4)
- CHEM 4241 Instrumental Analysis (4)
- Chemistry Elective (4)
- Area D2 CORE Environmental Science (4)
- IDS 2210 Turning Points & Connections (1)

Spring Semester (15 hrs)

- CHEM 3442 Physical Chemistry II (4)
- CHEM 3140 Advanced Inorganic (4)
- Chemistry Elective (4 hrs)
- HLTH 1520 Healthful Living (2)
- KINS (1)