

AS to BS – Pre-Health Professional Chemistry

Area I - Written Composition (6 hrs)

ENG 101 English Composition I (3 hrs)
ENG 102 English Composition II (3 hrs)

Area II - Humanities and Fine Arts (12 hrs)

*Literature (3 hrs)
Fine Arts (3 hrs)
SPH 106 or 107 (3 hrs)
Literature, Humanities, or Fine Arts (3 hrs)

Area III - Natural Sciences and Mathematics (11 hrs)

MTH 112 Pre-calculus Algebra (3 hrs)
CHM 111 College Chemistry I (4 hrs)
CHM 112 College Chemistry II (4 hrs)

Area IV- History, Social, and Behavioral Sciences (12 hrs)

*History (3 hrs)
Social or Behavioral Science [PSY 200 & SOC 200 recommended for those pursuing health professions (6 hrs)]
History or Social/Behavioral Science (3 hrs)

Area V - Professional, Major, and Electives (19 hrs)

**ORI 101 Orientation to College (1 hr)
CIS 146 Microcomputer Applications (3 hrs)
CHM 221 Organic Chemistry I (4 hrs)
CHM 222 Organic Chemistry II (4 hrs)
MTH 113 Pre-calculus Trigonometry (3 hrs)
PHY 201 General Physics I Trig Based (4 hrs)

* A six-hour sequence of either Literature or History is required. If student chooses only three hours of literature, then history must be a six-hour sequence. If student chooses only three hours of history, then literature must be a six-hour sequence.

**Transfers as general elective course.

Total at GSCC = 60 hrs

Major and Elective Courses

PHS 202 College Physics II (3 hrs)
PHS 204 College Physics Lab II (1 hr)
CY 321 Quantitative Analysis (5 hrs)
CY 362 Biochemistry I (4 hrs)
CY 341 Physical Chemistry I (4 hrs)
Chemistry 300+ electives (12 hrs) from:
CY 363 Biochemistry II (4 hrs)
CY 411 Intermediate Inorganic Chemistry (5 hrs)
CY 421 Instrumental Analysis (5 hrs)
CY 435 Advanced Topics in Chemistry (3 hrs)
CY 471 Toxicological Chemistry (3 hrs)
*CY 490 Internship (1 hr)
*CY 497 Chemistry Research (1 hr)

*May be duplicated for credit for a total of three (3) semester hours

General Electives (31 hours) (at least 11 hours must be 300+)

Total at JSU = 60 hrs

For more information, contact Constance Bass, Certification Advisor, at csbass@jsu.edu or 256.782.8191.

For students who do not follow the pathway program, or who change their major, the acceptance/transferability of completed coursework may not be honored by JSU other than as required by the Alabama STARS Program.

Student Signature

Date

GSCC Advisor Signature

Date

JSU Advisor Signature

Date