

CHEMISTRY - PHARMACEUTICAL CHEMISTRY, B.S.

Course	Title	Semester Credit Hours
Freshman Year		
Semester 1		
BIOL 1306 & BIOL 1106	General Biology I and General Biology Laboratory I	4
CHEM 1311 & CHEM 1111	Gen Inorganic Chemistry I and Gen Inorganic Chem Lab I	4
ENGL 1301	Rhetoric and Composition	3
MATH 1348	Analytic Geometry	3
UNIV 1101	Learning in Global Context I	1
Semester Credit Hours		15
Semester 2		
CHEM 1312 & CHEM 1112	Gen Inorganic Chemistry II and Gen Inorganic Chem Lab II	4
ENGL 1302	Rhetoric and Composition	3
MATH 2413	Calculus I	4
UNIV 1102	Learning in Global Context II	1
Communication (https://catalog.tamuk.edu/undergraduate/ general-requirements-graduation-baccalaureate-degree/ #communication)		3
Semester Credit Hours		15
Sophomore Year		
Semester 1		
BIOL 1307 & BIOL 1107	General Biology II and General Biology Laboratory II	4
CHEM 3323 & CHEM 3123	Organic Chemistry I and Organic Chemistry Lab I	4
PHYS 1301 & PHYS 1101	College Physics I and Coll Physics I Laboratory	4
POLS 2301	Government and Politics of US	3
Semester Credit Hours		15
Semester 2		
CHEM 3181	Chemical Literature	1
CHEM 3325 & CHEM 3125	Organic Chemistry II and Organic Chemistry Lab II	4
HIST 1301	American History to 1877	3
PHYS 1302 & PHYS 1102	College Physics II and College Physics II Lab	4
POLS 2302	Government and Politics of TX	3
Semester Credit Hours		15
Junior Year		
Semester 1		
BIOL 1372	Biological Connections	3
CHEM 2401	Inorg Quantitative Analysis	4
CHEM 3331	Physical Chemistry I	3
CHEM 4341	Biochemistry I	3

HIST 1302	American History since 1877	3
Semester Credit Hours		16
Semester 2		
BIOL 2421	Elementary Microbiology	4
CHEM 4342	Biochemistry II	3
CHEM 4351	Medicinal Chemistry	3
STAT 4301	Biostatistics	3
Elective, adv. ¹		3
Semester Credit Hours		16
Senior Year		
Semester 1		
BIOL 3402	Genetics	4
CHEM 4131	Physical Chem Measurements	1
Social/Behavioral (https://catalog.tamuk.edu/undergraduate/ general-requirements-graduation-baccalaureate-degree/ #social)		3
Creative arts (https://catalog.tamuk.edu/undergraduate/ general-requirements-graduation-baccalaureate-degree/ #creative)		3
Elective, adv. ¹		3
Semester Credit Hours		14
Semester 2		
BIOL 4355	Topics in Biology	3
CHEM 4181	Chemical Seminar	1
CHEM 4352	Green Chemistry	3
CHEM 4302	Techniques in Pharm Science	3
Lang/Phil/Culture (https://catalog.tamuk.edu/undergraduate/ general-requirements-graduation-baccalaureate-degree/ #language)		3
Elective		1
Semester Credit Hours		14
Total Credit Hours Required:		120

¹ Approval of chair required.

Consult departmental chair for information on additional courses for certification to the American Chemical Society or minor programs.