

Chemistry Major - Pre-Health Professional Biochemistry Option (BS)

Suggested Plan of Study

2022-2023 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1045 Pre-Calculus Mathematics	5	MATH 1525 Calculus I	5
CHEM 1501 Background and Strategies in Chemistry	1	HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National	3
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2		
Total Semester Hours	15	Total Semester Hours	15
Fall - Semester 3		Spring - Semester 4	
World Literature I/II or Philosophy (ENGL 2213, ENGL 2223, or PHIL 2403)	3	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, HUM 2103, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013 or MUS 2023, PHIL 2403, THEA 2003, or Foreign Language)	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National		CHEM 212/2011 Analytical Chemistry/Lab	3
SPCH 1113 Introduction to Public Speaking	3	ENGL 3003 Advanced Professional Writing	3
Total Semester Hours	17	Total Semester Hours	17
Fall - Semester 5		Spring - Semester 6	
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
**BIOL elective	4	BIOL 3023/3021 Microbiology/Lab	4
CHEM 3313/3311 Instrumentation I/Lab or CHEM 4313/4311 Instrumentation II/Lab	4	CHEM 3073/3071 Biochemistry I/Lab	4
Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003, SOC 1013, or SOC 2003)	3	SCI 3101 Pre Health Colloquium	1
Total Semester Hours	15	Total Semester Hours	13
Fall - Semester 7		Spring - Semester 8	
**BIOL elective (Jr/Sr)	4	**CHEM elective	3
CHEM 4073 Biochemistry II	3	Science & Engineering elective	3
CHEM 4403 Physical Chemistry: Thermodynamics	3	**BIOL elective	4
CHEM 4051 Senior Seminar - Chemistry	1	Fine Arts/Humanities (ART 1103 or ART 2013, HUM 2003, HUM 2103, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013 or MUS 2023, PHIL 2403, or THEA 2003)	3
**CHEM elective (Jr/Sr)	4		
Total Semester Hours	15	Total Semester Hours	13

Total hours required for major – 120

*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.

**Pre-Professional Students such as Pre-Pharmacy and Pre-Medicine should consult with their advisor and review the admission requirements of their desired program.