

BS Biochemistry Progression
Begin with MATH 0100 or 1101

	Fall	Interim	Spring	Hours earned
Freshman year	Course prefix/number hours	course hours	Course prefix/number hours	Total hrs earned for academic year*
	The math that you test into-- MATH 0100 or 1101. 3	INTM course required 3	MATH1101 (if started in MATH0100) or MATH1221 (if started in MATH1101) 3-4	Min 28 Max 32
	CORE 1101 (PG3) 3		CORE 1102 (PG3); pre-req CORE 1101 1	
	ENGL 1101 (PG1) 3		ENGL 1102 (PG1); pre-req ENGL 1101 3	
	OPTIONS (choose from below with advisor)		OPTIONS (choose from below with advisor)	
	Ethos course of choice if desired (PG1, PG2, PG3; choose 1 or more course) 3		Ethos course of choice if desired (PG1, PG2, PG3); choose 2 or more courses. 6	
	between 12-15 hrs	hr 3	between 13-14 hr	
	Consult advisor regarding number of hours to take first semester.			
Sophomore year	Course prefix/number hours	course hours	Course prefix/number hours	Hours earned Total hrs earned
	MATH1221 (Pre-Calculus, if not already taken); pre-req MATH1101 4	INTM course 3	CHEM1102/1102L (Gen. Chem.II&Lab); pre-req CHEM1101 4	Min 27 Max 35
	CHEM1101/1101L (Gen. Chem.I &Lab); pre-req MATH1101 4		BIOL1108/1108L (Prin. Biology) pre-req MATH1101 4	
	BIOL1107/1107L (Prin. Biology) pre-req MATH1101 4		OPTIONS (choose from below with advisor)	
	OPTIONS (choose from below with advisor)		PHYS1102 (Intro. Physics II&L); pre-req PHYS1101 4	
	PHYS1101/1101L (Intro. Physics I&Lab); pre-req MATH2105 4		Ethos course of choice from PG1 (if not complete), PG2, PG3; choose 1 or more courses. 3	
	Ethos course of choice from PG1 (if not complete), PG2, PG3; choose 1 or more courses. 3		Course for Minor or Prof. School Requirements. 3-4	
	Course for Minor or Prof. School Requirements. 3-4			
	between 12-16 hr	hr 3	between 12-16 hr	
Junior year	Course prefix/number hours	course hours	Course prefix/number hours	Hours earned Min 27 Max 35
	CHEM3201/33201L (Organic Chem.I &Lab); pre-req CHEM1102 4	INTM course 3	CHEM3202/3302L (Organic Chem.II&Lab); pre-req CHEM3301 4	
	PHYS1101/1101L (Intro. Physics I&Lab required Odd Years if not already taken); pre-req MATH1221 4		CHEM3311 (El. Of Physical Chem. Required Even Years); pre-req PHYS1101 and CHEM3201 3	
	OPTIONS (choose from below with advisor)		CHEM3371 (Jr. Seminar) 1	
	Upper Level Elective 3-4		PHYS1102 (Intro. Physics II&L); pre-req PHYS1101 4	
	Ethos course of choice from PG2, PG3; choose 1 or more courses. 3		OPTIONS (choose from below with advisor)	
	Course for Minor or Prof. School Requirements. 3-4		Ethos course of choice from PG2, PG3; choose 1 or more courses. 3	
			Upper Level Elective 3-4	
			Course for Minor or Prof. School Requirements. 3-4	
	between 12-16 hr	hr 3	between 12-16 hr	
Senior year	Course prefix/number hours	course hours	Course prefix/number hours	Hours earned Min 26 Max 37
	CHEM4421 (Biochemistry I & Lab); pre-req CHEM3302 4		CHEM4422 (Biochemistry II and Lab); pre-req CHEM4421 4	
	PHYS1101/1101L (Intro. Physics I&Lab, if not already taken); pre-req MATH2105 4		CHEM3311 (El. Of Physical Chem. Required Even Years); pre-req PHYS1101 and CHEM3201 3	
	OPTIONS (choose from below with advisor)		PHYS1102 (Intro. Physics II&L, if not already taken); pre-req PHYS1101 4	
	Upper Level Elective 3-4		CHEM4471 (Sr. Seminar) 2	
	Ethos course of choice from PG2, PG3; choose 1 or more courses. 3		OPTIONS (choose from below with advisor)	
	Course for Minor or Prof. School Requirements; choose 1 or more courses 3-4		Ethos course of choice from PG2, PG3; choose 1 or more courses. 3	
			Course for Minor or Prof. School Requirements; choose 1 or more courses 3-4	
	between 13-17 hr	hr 0-3	between 13-17 hr	
				minimum hours to graduate 120

-During fall, interim, and spring semesters of each academic year, a student must earn on average 30 credit hours per year to graduate with the required 120 credit hours in 4 years.
 -Course options are listed in order of priority for the given year. These courses are required, but flexibility exists as to when to take the take courses listed as options.
 -For a list of Ethos courses and requirements, see Ethos in the bulletin; PG# corresponds to the course categories in Ethos.
 -Two Upper level electives are required for the BS Biochemistry major which may be chosen from BIOL3321 (Microbiology), BIOL3322 (Immunology), BIOL3370 (Toxicology), BIOL3372 (Molecular Biology), BIOL3373 (Genetics), BIOL3374 (Cell Physiology), BIOL3376 (Virology), CHEM2251 (Analytical Analysis), CHEM4451 (Instrumental Analysis), CHEM3331 (Inorganic Chemistry) or PSYC4465 (Biopsychology).