

BACHELOR OF SCIENCE DEGREE

CHEMISTRY

BIOCHEMISTRY CONCENTRATION

2023-2024 Catalog

Total Degree Requirements 121 hours

NAME _____ UA/GA _____ GRAD DATE _____
 DSU ID# _____ ADVISOR _____ BAN _____ GPA _____
 Evaluated by _____ Date _____ DBASE _____ HON _____

GENERAL EDUCATION REQUIREMENTS 40-41				
COURSE	SUB/TR	SEM	HRS	GR
ENG 101 Eng Comp			3	
ENG 102/200/201 Eng Comp			3	
*ENG LIT- ENG 201, 203, 205 or 206			3	
HIS 101,102,103,104,201,or 202			3	
**FINE ARTS			3	
PHI 201 or any ENG LIT, HIS, or				
**FINE ART not already taken above			3	
***MAT 104, 105, or 251			3	
CHE 101/103 Gen Chem & Lab			4	
CHE 102/104 Gen Chem II & Lab			4	
****Perspectives on Society			3	
****Perspectives on Society			3	
*****Personal Development			2-3	
COM 101 or 202			3	

*Transfer credit for most lit courses will count for this requirement

*Select one introduction/appreciation/history of art, music or creative writing

**Fine Arts: ART 101, 212, 401, 402, 405; MUS 105, 114, 115, 116; or ENG 202

***Math gen ed requirement can be waived if a student has an ACT Math subscore of 24 and has been placed in MAT 251. Student must take additional 3 hrs to meet overall hours requirement.

****Select one: ECO 210, 211; GEO 201, 303; HON 290;

PSC 103, 201; PSY 101; SOC 101

*****Select one: SHS 360; CEL 300; CIS 205; FCS 215, 270, 325, 343;

HON 102; SWO 101, 300; For Lang 101; LIB 101;

OR Select two of the following: PER 101, PER 100 level activity

COURSE	SUB/TR	SEM	HRS	GR
*University Requirement FYS 100/300			1	

*FYS 103 for honor students can meet this requirement.

CHEMISTRY CORE 14				
COURSE	SUB/TR	SEM	HRS	GR
CHE 108 Intro Chem Seminar			1	
CHE 311 Quantitative Anal			5	
CHE 319 Organic Chem Lab			1	
CHE 321 Organic Chemistry			3	
CHE 320 Organic Chem Lab			1	
CHE 322 Organic Chemistry			3	

ACS CERTIFIED BIOCHEMISTRY CONCENTRATION 45				
COURSE	SUB/TR	SEM	HRS	GR
BIO 100 Prin of Biology			4	
BIO 101 Prin of Biology II			4	
BIO 300 Cell Biology			4	
BIO 328 Genetics			4	
CHE 371 Physical Chem I			4	
CHE 372 Physical Chem II			4	
CHE 440 Biochemistry I			4	
CHE 441 Biochemistry II			3	
CHE 442 Chemical Biology			4	
CHE 443 Biochemistry III			3	
CHE 460 Instrumental Analysis			4	
CHE 464 Science Seminar			1	
*CHE 481 Indep Research in Che			2	

*At least 2 hours of CHE 481 required

GENERAL ELECTIVES 0-4			
COURSE	GR/HR	COURSE	GR/HR

SPECIAL DEGREE REQUIREMENTS 17-20				
COURSE	SUB/TR	SEM	HRS	GR
*MAT 105 Plane Trig			0-3	
MAT 251 Calculus I			3	
MAT 252 Calculus II			3	
MAT 253 Calculus III			3	
**PHY 231/235 Gen Physics I/Lab			4	
**PHY 232/236 Gen Physics II/Lab			4	

*If MAT 105 used to satisfy General Education requirement, it may be reused here. Will count in GPA calculation once.

**MAT 251 prerequisite

Updated 11/6/2023