

This chart is to be used as a reference guide only.
Individual student charts are issued by the Offices of Admissions and Registrar.

Major: **BIOCHEMISTRY** with
PRE-D.P.T. USciences

BRIDGE GENERAL EDUCATION: 42 - 49 CR	CRS	GR
Pathway to the Bridge (GEN101)	2	
Cornerstone: Discovering the Self (GEN199)▲	3	
Academic Writ & Research I (EN111)	3	
OR		
Honors Argument: Rhetoric & Research (EN221)	3	
History (US or World)	3	
Literature	3	
Philosophical Inquiry (PL245)	3	
Visual & Performing Arts	3	
Modern Language;Culture;Global	3	
Social Sciences SO101 Prin of Soc	3	
Social Sciences PS111 Intro or PS113 Foundations	3	
Nat Sciences (w/lab) BI121 Cell Organiz	4	
Quantitative Analysis MA115 Calculus I	4	
Experiential Learn (ServLearn or Intern or Ed Abroad)	///	
COMMON INTELLECTUAL EXPERIENCE		
R Religious Studies	3	
R Ethics	3	
R Shaping Lives: Women & Gender (WS311)	3	
R Capstone: Visioning a Future (GEN400)	3	

▣ Must select courses from two separate subject areas

STUDENTS ENTERING AS FRESHMEN:		
Complete all General Education requirements.		
Courses in BOLD print are required for the major.		
STUDENTS ENTERING AS TRANSFERS:		
_____ courses needed to complete gen ed requirements as follows:		
___ 4 CIE courses marked with R .		
_____ courses in BOLD print (required for the major).		
_____ additional courses from gen ed categories not already filled.		
NJ Community College General Education Courses	CRS	GR

BIOCHEMISTRY - BS	CRS	GR
CH113 General Chemistry I	4	
CH114 General Chemistry II	4	
CH223 Organic Chemistry I	4	
CH224 Organic Chemistry II	4	
CH241 Quantitative Analysis	4	
CH304 Chemical Literature	2	
CH311 Biochemistry I	4	
CH312 Biochemistry II	4	
CH331 Quantum Chemistry	4	
CH332 Reaction Dynamics	4	
CH416 Topics in Chem / Biochem	3	
CH420 Chemistry Seminar	1	

ADDITIONAL MAJOR REQUIREMENTS	CRS	GR
BI204 Genetics & Evol	4	
BI213 Human Anat & Phy I	4	
BI214 Human Anat & Phy II	4	
BI219 Microbiology OR	4	
BI320 Cell Biology OR	4	
BI422 Adv Molecular Genetics	4	
BI203 Experimental Des & Stats	3	
HRP200 Medical Terminology	3	
MA116 Calculus II	4	
PH121 General Physics I	4	
PH122 General Physics II	4	
Social Science ♦	3	
Social Science ♦	3	
EN Elective ▣	3	

♦ Courses may not be double dipped with general education requirements. At least one course must be a Psychology course.

▣ Course may double dip with general education requirements. Course must be any English course higher than EN111, except for EN221.

WRITING INTENSIVE (WI) REQUIREMENT▲	CRS	GR
Writing Intensive #1	/	/
Writing Intensive #2	/	/
Writing Intensive #3	/	/
Capstone: Visioning a Future (GEN400)	/	/

▲ GEN199 fulfills the Gen Ed Cornerstone and a WI req. Other WI courses may fulfill General Education, major, or minor requirements, or may be taken as general electives.

ELECTIVES	CRS	GR

2022-23 ACADEMIC YEAR MATRICULATION

Refer to GCU 2022-23 Undergraduate Catalog for current academic policies, details regarding major requirements and course descriptions.

Minimum 120 credits required for the degree; 30 credits must be taken at GCU. Transfer maximum is 90 credits, no more than 75 credits from two-year institutions, no more than 48 general elective credits.

Accepted credits will not be replaced after enrollment at GCU.