

BIOMEDICAL SCIENCES (B.S.) - GLOBAL STUDIES - RESIDENT

Important: This degree plan is effective for those starting this degree program in fall 2024 through summer 2025. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations, or cognates.

General Education/Foundational Skills Requirements

Code	Title	Hours
Communication & Information Literacy ¹		
ENGL 101	Composition and Rhetoric	3
	Communications Elective	3
	Information Literacy Elective	3
	Information Literacy Elective	3
Technological Solutions & Quantitative Reasoning ¹		
UNIV 101	Foundational Skills	1
	Math Elective MATH 114 or higher	3
	Technology Competency ²	0-3
Critical Thinking ¹		
RLGN 105	Introduction to Biblical Worldview ³	2
	Critical Thinking Elective	3
Civic & Global Engagement ¹		
EVAN 101	Evangelism and the Christian Life ³	2
	Cultural Studies Elective	3
Social & Scientific Inquiry ¹		
	Natural Science Elective	3
	Social Science Elective ⁴	3
Christianity & Contexts ¹		
BIBL 105	Old Testament Survey	2
BIBL 110	New Testament Survey	2
THEO 201	Theology Survey I ³	2
THEO 202	Theology Survey II ³	2
Total Hours		40-43

¹ Refer to the list of approved general education electives before enrolling in foundational skill requirements

² All students must pass the Computer Assessment OR complete applicable INFT course

³ Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 and EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived

⁴ PSYC 101 is strongly recommended

Major Requirements

Code	Title	Hours
Major Foundational Courses		
BIOL 224	General Biology I ¹	4

Code	Title	Hours
CHEM 121	General Chemistry I ¹	4
	or CHEM 131 & CHEM 135 Advanced General Chemistry I and Advanced General Chemistry Lab	
CHEM 122	General Chemistry II ¹	4
	or CHEM 132 & CHEM 136 Advanced General Chemistry II and Advanced General Chemistry II Lab	
MATH 201	Introduction to Probability and Statistics ¹	3
	or MATH 211 Introduction to Statistical Analysis	
MATH 126	Elementary Calculus for Business and Science ¹	3-4
	or MATH 131 Calculus and Analytic Geometry I	
PHYS 201	General Physics I ¹	4
	or PHYS 231 University Physics I	
PHYS 202	General Physics II ¹	4
	or PHYS 232 University Physics II	
Total Hours		26-27

¹ Course may fulfill select general education requirements

Code	Title	Hours
Major Core		
BCHM 450	Medical Biochemistry	3-4
	or BCHM 451 Biochemistry I	
BIOL 225	General Biology II	4
BIOL 301	Genetics	4
BIOL 313	Clinical Human Anatomy	3
	or BIOL 385 Advanced Human Physiology	
BIOL 400	Biology Seminar	1
BIOL 415	Cell Biology	4
CHEM 301	Organic Chemistry I	4
CHEM 302	Organic Chemistry II	4
CRST 290	History of Life	3
	or CRST 390 Origins	
Choose 12-16 credit hours from the following:		12-16
BCHM 452	Biochemistry II	
BIOL 303	Microbiology	
BIOL 305	Parasitology	
BIOL 313	Clinical Human Anatomy	
BIOL 316	Human Biological Variation	
BIOL 321	Comparative Anatomy of the Vertebrates	
BIOL 330	Histology	
BIOL 385	Advanced Human Physiology	
BIOL 403	Embryology	
BIOL 416	Comparative Animal Physiology	
BIOL 420	Immunology	
BIOL 435	Neurobiology	
Total Hours		42-47

Code	Title	Hours
Cognate		
GLST 200	Introduction to Global Studies	3
GLST 220	Intercultural Communication and Engagement	3
GLST 290	Cultural Anthropology	3

Code	Title	Hours
GLST 385	Career Preparation for Global Workers	3
Global Studies Elective ²		3
Total Hours		15

¹ Choose a 300-400 level GLST course not already required in the major

All applicable prerequisites must be met

Graduation Requirements

- 120 Total hours
- 2.0 Overall grade point average
- 30 Hours must be upper-level courses (300-400 level)
- **Grade of 'C'** Minimum required for all upper-level courses in the major
- 25% Of major and cognate taken through Liberty University
- 30 Hours must be completed through Liberty University
- **Grad App** Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date
- **CSER** All requirements must be satisfied before a degree will be awarded

Course Sequence

Course	Title	Hours
First Year		
First Semester		
ENGL 101	Composition and Rhetoric	3
INQR 101	Inquiry	1
MATH 126 or MATH 131	Elementary Calculus for Business and Science or Calculus and Analytic Geometry I	3-4
UNIV 101	Foundational Skills	1
Natural Science Elective (BIOL 224) ¹		4
CHEM Elective(s) ²		4
CSER		0
Hours		16-17
Second Semester		
RLGN 105	Introduction to Biblical Worldview	2
CHEM Elective(s) ³		4
Information Literacy Elective ¹		3
MATH Elective (MATH 201 or MATH 211) ¹		3
BIOL 225	General Biology II	4
CSER		0
Hours		16
Second Year		
First Semester		
RSCH 201	Research	3
Communications Elective ¹		3
Technology Competency ⁴		0-3
BIOL 301	Genetics	4
CHEM 301	Organic Chemistry I	4
CSER		0
Hours		14-17

Course	Title	Hours
Second Semester		
THEO 201	Theology Survey I	2
Critical Thinking Elective ¹		3
BIOL 415	Cell Biology	4
CHEM 302	Organic Chemistry II	4
CRST 290 or CRST 390	History of Life or Origins	3
CSER		0
Hours		16

Third Year

Course	Title	Hours
First Semester		
PHYS 201 or PHYS 231	General Physics I or University Physics I	4
BCHM 450 or BCHM 451	Medical Biochemistry or Biochemistry I	3-4
BIOL 313 or BIOL 385	Clinical Human Anatomy or Advanced Human Physiology	3
GLST 200	Introduction to Global Studies	3
GLST 220	Intercultural Communication and Engagement	3
CSER		0
Hours		16-17

Second Semester

Course	Title	Hours
PHYS 202 or PHYS 232	General Physics II or University Physics II	4
THEO 202	Theology Survey II	2
Social Sciences Elective ^{1,5}		3
GLST 290	Cultural Anthropology	3
Biomedical Elective ⁶		3-4
CSER		0
Hours		15-16

Fourth Year

Course	Title	Hours
First Semester		
BIBL 110	New Testament Survey	2
EVAN 101	Evangelism and the Christian Life	2
BIOL 400	Biology Seminar	1
GLST 385	Career Preparation for Global Workers	3
Biomedical Elective ⁶		3-4
Biomedical Elective ⁶		3-4
CSER		0
Hours		14-16

Second Semester

Course	Title	Hours
BIBL 105	Old Testament Survey	2
Cultural Studies Elective ¹		3
Information Literacy Elective ¹		3
Global Studies Elective ⁷		3
Biomedical Elective ⁶		3-4
CSER		0
Hours		14-15
Total Hours		121-130

- ¹ Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements
- ² Choose CHEM 121 OR CHEM 131 and 135
- ³ Choose CHEM 122 OR CHEM 132 and 136
- ⁴ All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information
- ⁵ PSYC 101 is strongly recommended
- ⁶ Choose from BCHM 452, BIOL 303, 305, 313, 316, 321, 330, 385, 403, 416, 420, or 435
- ⁷ Choose a 300-400 level GLST course not already required in the major