

# BIOMEDICAL SCIENCES (M.S.)

**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.

Code	Title	Hours
<b>Core Courses</b>		
BCHM 551	Biochemistry	4
BIOM 503	Human Genetics	3
BIOM 513	Human Gross Anatomy	5
BIOM 515	Human Physiology	5
BIOM 600	Biomedical Ethics	3
BIOM 610	Human Neurology and Neuroanatomy	3
BIOM 615	Advanced Cell Biology	4
BIOM 620	Advanced Immunology	3
BIOM 623	Human Developmental Biology	3
or BIOM 625	Microbial Pathogenesis and Virology	
BIOM 630	Principles of Pathology	3
HLTH 501	Biostatistics	3
<b>Total Hours</b>		<b>39</b>

All applicable prerequisites must be met

## Graduation Requirements

- Complete 39 hours
- A maximum of 50% of the program hours may be transferred if approved and allowable, including credit from an earned degree from Liberty University on the same academic level
- 3.0 GPA
- No grades lower than B- may be applied to the degree
- Degree must be completed within 5 years
- Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date

## Program Offered in Resident Format

### Course Sequence

Course	Title	Hours
<b>First Year</b>		
<b>First Semester</b>		
BCHM 551	Biochemistry <sup>1</sup>	4
BIOM 503	Human Genetics <sup>1</sup>	3
BIOM 513	Human Gross Anatomy	5
BIOM 515	Human Physiology	5
HLTH 501	Biostatistics	3
	<b>Hours</b>	<b>20</b>
<b>Second Semester</b>		
BIOM 600	Biomedical Ethics	3
BIOM 610	Human Neurology and Neuroanatomy	3
BIOM 615	Advanced Cell Biology	4
BIOM 620	Advanced Immunology	3
BIOM 623	Human Developmental Biology	3
or BIOM 625	or Microbial Pathogenesis and Virology	

Course	Title	Hours
BIOM 630	Principles of Pathology	3
	<b>Hours</b>	<b>19</b>
	<b>Total Hours</b>	<b>39</b>

<sup>1</sup> BIOM 513 and 515 are prerequisites to BCHM 551 and BIOM 503