

<b><u>CORE COURSES (46 hours)</u></b>		<b><u>Hrs</u></b>	<b><u>Sem</u></b>	<b><u>Grade</u></b>
BCHM 551	Biochemistry	4	_____	_____
BIOM 503	Human Genetics	3	_____	_____
BIOM 513	Human Gross Anatomy <sup>1</sup>	5	_____	_____
BIOM 515	Human Physiology <sup>1</sup>	5	_____	_____
BIOM 600	Biomedical Ethics	3	_____	_____
BIOM 610	Human Neurology & Neuroanatomy	3	_____	_____
BIOM 613	Human Gross Anatomy II <sup>1</sup>	3	_____	_____
BIOM 615	Advanced Cell Biology	4	_____	_____
BIOM 620	Advanced Immunology	3	_____	_____
BIOM 623	Human Developmental Biology			
or BIOM 625	Microbial Pathogenesis & Virology	3	_____	_____
BIOM 630	Principles of Pathology	3	_____	_____
BIOM 633	Advanced Histology <sup>1</sup>	4	_____	_____
HLTH 501	Biostatistics	3	_____	_____

**DISSERTATION AND PRACTICUM COURSES (50-51 hours)**

BIOM 700	Anatomy & Cell Biology Seminar <sup>1,2</sup>	8	_____	_____
BIOM 710	Anatomy & Cell Biology Teaching Practicum <sup>1,3</sup>	6	_____	_____
BIOM 750	Research Rotation <sup>1,4</sup>	2-3	_____	_____
BIOM 889	Dissertation Research <sup>1,5</sup>	33	_____	_____
BIOM 890	Dissertation Defense <sup>1,5</sup>	1	_____	_____

**TOTAL HOURS 96-97**

**Graduation Requirements**

Complete 96 hours

A minimum of 57 hours must be completed through Liberty University, not to include credits from a prior degree earned through Liberty

A maximum of 39 hours of transfer credit, including credit from a degree on the same academic level previously earned through Liberty, may be applied to the degree 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

**Offered in Resident Format**

Revised: 02.03.2023

**Notes**

*All applicable prerequisites must be met*

<sup>1</sup>This course must be taken in residence.

<sup>2</sup>This course is a 1 credit hour course that will be required to successfully complete 8 times with different faculty and different topics.

<sup>3</sup>This course is a 1 credit hour course that will be required to successfully complete 6 times but only twice for the same practicum.

<sup>4</sup>This course is a 1 credit hour course that is required to take a minimum of 2-3 times with 2-3 different faculty members.

<sup>5</sup>Any student who is not ready for enrollment in BIOM 990 after completing BIOM 989 may be required, as determined by the student's dissertation chair, to repeat BIOM 989 until deemed ready for enrollment in BIOM 990.

*Suggested Course Sequence on second page*

Effective: Catalog Term 2023-40

### SUGGESTED COURSE SEQUENCE

<u>First Semester</u>	<u>Second Semester</u>	<u>Third Semester</u>
BIOM 513 <sup>1</sup> 5	BIOM 503 3	BIOM 620 3
BIOM 515 <sup>1</sup> 5	BCHM 551 4	Total 3
BIOM 700 <sup>1,2</sup> 1	HLTH 501 3	
BIOM 750 <sup>1,3</sup> 1	BIOM 700 <sup>1,2</sup> 1	
Total 12	BIOM 750 <sup>1,3</sup> 1	
	Total 12	
<u>Fourth Semester</u>	<u>Fifth Semester</u>	<u>Sixth Semester</u>
BIOM 610 3	BIOM 630 3	BIOM 600 3
BIOM 615 4	BIOM 633 <sup>1</sup> 4	BIOM 889 <sup>1</sup> (3 credit hours) 3
BIOM 623 or 625 <sup>1</sup> 3	BIOM 613 <sup>1</sup> 3	Total 6
BIOM 700 <sup>1,2</sup> 1	BIOM 700 <sup>1,2</sup> 1	
BIOM 710 <sup>1,4</sup> 1	BIOM 710 <sup>1,4</sup> 1	
Total 12	Total 12	
<u>Seventh Semester</u>	<u>Eighth Semester</u>	<u>Ninth Semester</u>
BIOM 700 <sup>1,2</sup> 1	BIOM 700 <sup>1,2</sup> 1	BIOM 889 <sup>1</sup> (3 credit hours) 3
BIOM 710 <sup>1,4</sup> 1	BIOM 710 <sup>1,4</sup> 1	Total 3
BIOM 889 <sup>1</sup> (7 credit hours) 7	BIOM 889 <sup>1</sup> (7 credit hours) 7	
Total 9	Total 9	
<u>Tenth Semester</u>	<u>Eleventh Semester</u>	
BIOM 700 <sup>1,2</sup> 1	BIOM 700 <sup>1,2</sup> 1	
BIOM 710 <sup>1,4</sup> 1	BIOM 710 <sup>1,4</sup> 1	
BIOM 889 <sup>1</sup> (7 credit hours) 7	BIOM 889 <sup>1</sup> (6 credit hours) 6	
Total 9	BIOM 890 <sup>1</sup> 1	
	Total 9	

**Notes**

<sup>1</sup>The following courses must be taken in residence: BIOM 513, 515, 613, 633, 700, 710, 750, 889 and 890

<sup>2</sup>This course is a 1 credit hour course that will be required to successfully complete 8 times with different faculty and different topics.

<sup>3</sup>This course is a 1 credit hour course that is required to take a minimum of 2-3 times with 2-3 different faculty members.

<sup>4</sup>This course is a 1 credit hour course that will be required to successfully complete 6 times but only twice for the same practicum.