

# Forman Christian College

## BIOLOGICAL SCIENCES DEPARTMENT

### Roadmap for Biotechnology Major

### 23 SERIES FALL 2019

<b>Freshmen</b>	GE 1	Univ	UNIV 100	3
	GE 2	Hum	WRCM 101	3
	GE 3	S/BS	PKST 101	3
	GE 4	S & M	BIOL 102/105	4
	Core 1		BIOT 201 Intro to Biotechnology	3
			<b>Fall 2019</b>	<b>16</b>

GE 5	Hum	WRCM 102	3
GE 6	Hum	ISLM 101/CRST 151	3
GE 7	S/BS	Course from any discipline listed in catalog	3
GE 8	S & M	MATH 100	4
Core 2		BIOL 203 General Genetics	3
		<b>Spring 2020</b>	<b>16</b>

<b>Sophomore</b>	GE 9	Hum	URDU 101	3
	GE 10	S/BS	Course from any discipline listed in catalog	3
	GE 11	S & M	CSCS 100	3
	Core 3		BIOL 201 Cell Biology	3
	Core 4		BIOT 202 Protoplast, Cell & Tissue Culture	4
			<b>Fall 2020</b>	<b>16</b>

GE 12	Hum	Course from any discipline listed in catalog	3
GE 13	S & M	Sci/Maths/Stat/Comp Sci/Logic	3 or 4
GE 14	Hum	Course from any discipline listed in catalog	3
Core 5		BIOL 313 Biochemistry	4
Maj Ele 1		BIOL 212 Biostatistics	3
		<b>Spring 2021</b>	<b>16 or 17</b>

<b>Junior</b>	GE 15	S & M	Physical Science/Natural Science	4
	Core 6		BIOL 315 Fundamentals of Microbiology	3
	Core 7		BIOT 301 Analytical Technques in Biology	3
	Maj Ele 2		BIOT 305 Commersilization of Biotechnology	3
	FE 1		Free elective	4
			<b>Fall 2021</b>	<b>17</b>

Core 8		BIOT 302 Fundamentals of Enzymology	4
Core 9		BIOT 313 Molecular Biology	4
Core10		BIOT 314 Bioenergetics & Metabolism	3
Maj Ele 3		BIOT 316 Fundamentals of Virology	4
FE 2		Free elective	3
		<b>Spring 2022</b>	<b>18</b>

#### SUMMER

Internship BIOT 498/Research BIOT 499	6
---------------------------------------	---

<b>Senior</b>	Maj Ele 4	BIOT 408 Recombinant DNA Technology	4
	Maj Ele 5	BIOT 315 Genomics & Tools of Bioinformatic	4
	FE 3	Free elective	3
	<b>In lieu of intern/res</b> }	BIOT 307 Molecular Immunology	3
		BIOT 409 Food and Dairy Technology	4
		<b>Fall 2022</b>	<b>18</b>

Maj Elec 6	BIOT 412 Medical Biotechnology	4
Maj Elec 7	BIOT 411 Agriculture Biotechnology	4
FE 4	Free elective	4
FE 5	Free elective	3
FE 6	Free elective	3
	<b>Spring 2023</b>	<b>18</b>

**Total credits = 130 to 133/134**

Comm Communications  
 Ele Elective  
 FE Free Elective  
 GE General Education  
 Hum Humanities  
 Maj Major  
 S/SB Social & Behavioral Science

# Forman Christian College

S & M Science and Mathematics  
Uni University 100