

## SCHOOL OF LIFE SCIENCES

### Roadmap for Biotechnology Major

<b>Freshmen</b>	GE 1	Univ	UNIV 100	3	GE 5	Hum	WRCM 102	3
	GE 2	Hum	WRCM 101	3	GE 6	Hum	ISLM 101/CRST 151	3
	GE 3	S/BS S &	PKST 101	3	GE 7	S/BS S &	Course from any discipline listed in catalog	3
	GE 4	M	BIOL 102/105	4	GE 8	M	MATH 100	4
	Core 1		BIOT 201 Intro to Biotechnology	3	Core 2		BIOL 203 General Genetics	3
	<b>16</b>				<b>16</b>			

<b>Sophomore</b>	GE 9	Hum	URDU 101	3	GE 12	Hum S &	Gen Ed	3
	GE 10	S/BS S &	Course from any discipline listed in catalog	3	GE 13	M	Sci/Maths/Stat/Comp Sci/Logic	3 or 4
	GE 11	M	CSCS 100	3	GE 14	Hum	Gen Ed	3
	Core 3		BIOL 201 Cell Biology	3	Core 5		BIOL 313 Biochemistry	4
	Core 4		BIOT 202 Protoplast, Cell & Tissue Culture	4	Maj Ele 1		BIOL 212 Biostatistics	3
	<b>16</b>				<b>16 or 17</b>			

<b>Junior</b>	GE 15	S & M	Physical Science/Natural Science	4	Core 8		BIOT 302 Fundamentals of Enzymology	4
	Core 6		BIOL 315 Fundamentals of Microbiology	3	Core 9		BIOT 313 Molecular Biology	4
	Core 7		BIOT 301 Analytical Techniques in Biology	3	Core 10		BIOT 314 Bioenergetics & Metabolism	3
	Maj Ele 2		BIOT 305 Commercialization of Biotechnology Products	3	Maj Ele 3		BIOT 316 Fundamentals of Virology	4
	FE 1		Free elective	4	FE 2		Free elective	3
	<b>17</b>				<b>18</b>			

SUMMER	<b>6</b>
Internship BIOT 498/Research BIOT 499	<b>6</b>

<b>Senior</b>	Core 11		BIOT 408 Recombinant DNA Technology	4	Core 12		BIOT 412 Medical Biotechnology	4
	Maj Ele 4		BIOT 315 Genomics & Tools of Bioinformatics	4	Core 13		BIOT 411 Agriculture Biotechnology	4
	FE 3		Free elective	3	FE 4		Free elective	4
	In lieu of intern/res		BIOT 307 Molecular Immunology	3	FE 5		Free elective	3
			BIOT 409 Food and Dairy Technology	4	FE 6		Free elective	3
	<b>18</b>				<b>18</b>			

**Minimum Total credits required for degree = 130**

Comm	Communications
Ele	Elective
FE	Free Elective
GE	General Education
Hum	Humanities
Maj	Major
S/SB	Social & Behavioral Science
S & M	Science and Mathematics
Uni	University 100