2-4

Biotechnology 2014

Major: Biotechnology

Degree Type: B.S.

MICR 494 MICR 494

Required Degree Credits to Graduate: 128

Required Degree Credits to	Graduate: 128	
General Education R	Requirements	
First Year Experience (F)		
AGRI/UNIV 189	Skills for Academic Success (Students transferring in 24 or more credits do not need to take AGRI 189.)	1
Communication (C)	· · ·	
ENGL 110	College Composition I	3
ENGL 120	College Composition II	3
Upper Division Writing: Select	t one from the following:	3
ENGL 320	Business and Professional Writing	
ENGL 321	Writing in the Technical Professions	
ENGL 324	Writing in the Sciences	
ENGL 325	Writing in the Health Professions	
ENGL 459	Researching and Writing Grants and Proposal	
MICR 354	Scientific Writing	
COMM 110	Fundamentals of Public Speaking	3
Quantitative Reasong (R):		
STAT 330	Introductory Statistics	3
Science & Technology (S)		
CHEM 121	General Chemistry I	4
& 121L	and General Chemistry I Laboratory	
CHEM 122 & 122L	General Chemistry II and General Chemistry II Laboratory	4
Select one sequence from the	e following:	4
PHYS 211 & 211L	College Physics I and College Physics I Laboratory	
PHYS 251	University Physics I	
& 251L	and University Physics I Laboratory	
Humanities & Fine Arts (A):	Select from current general education list	6
Social & Behavioral Science	es (B): Select from the current general education list	6
Wellness (W): Select from the	he current general education list	2
Cultural Diversity (D): Selec	ct from the current general education list	
Global Perspectives (G): Se	elect from the current general education list	
Total Credits		42
Major requirements		
General Education Requirements		40
Biotechnology Requiremen		4
BIOC 460 & 460L	Foundations of Biochemistry and Molecular Biology I and Foundations of Biochemistry I Laboratory	4
BIOC 461	Foundations of Biochemistry and Molecular Biology II	3
BIOC 465	Principles of Physical Chemistry and Biophysics	4
BIOC 474	Methods of Recombinant DNA Technology	3
MICR 350 & 350L	General Microbiology and General Microbiology Lab	5
MICR 470	Basic Immunology	3
MICR 471	Immunology and Serology Laboratory	2
MICR 482	Bacterial Genetics & Phage	3
MICR 491	Seminar (Biotechnology)	1-5
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Individual Study (Senior Research)

Individual Study (Senior Thesis)

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128-136

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Degree Notes:

Total Credits

Degree Requirements: Potential of 7 credits to reach 128

- The Bachelors of Science degree is the default degree type for this program of study. However, a Bachelor of Arts degree is available if the degree is being earned from the College of Science & Mathematics.
- Bachelor of Arts (B.A.) Degree Requirements: An additional 12 credits of Humanities and/or Social Sciences courses and proficiency of a modern foreign language at the second year level (example: SPAN 201 & 202). Courses for the Humanities and/or Social Sciences may be fulfilled by any course having the following prefix: ADHM, ANTH, ARCH, ART, CJ, CLAS, COMM, ECON, ENGL, FREN GEOG, GERM, HDFS, HIST, LA, LANG, MUSC, PHIL, POLS, PSYC, RELS, SOC, SPAN, THEA, WGS, or any course from the current Humanities & Fine Arts (A) and/or Social & Behavioral Sciences (B) General Education list.