

## Bioengineering B.S. Degree Requirements Check List (GA 2016...)

Student's Name (print) \_\_\_\_\_

Year of Study:  Freshman     Sophomore     Junior     Senior    Check if you plan to graduate next semester

The curriculum for a B.S. degree in bioengineering requires 95 credit hours, which count towards the total of 134 hours required in order to graduate. Please check and make sure to satisfy general university requirements.

Course	Course Description	Check (if taken)	Comments
MATH 101	Single Variable Calculus I		
MATH 102	Single Variable Calculus II		
MATH 211	ODE's and Linear Algebra		
MATH 212	Multivariable Calculus		
PHYS 101, 111 or 125	Mechanics (w/lab)		
PHYS 102, 112 or 126	Electricity and Magnetism (w/ lab)		
CHEM 121	General Chemistry with laboratory		
CHEM 122	General Chemistry with laboratory		
CHEM 211	Organic Chemistry		
CAAM 210	Introduction to Engineering Computation		
MECH 211	Engineering Mechanics		
ELEC 243	Introduction to Electronics		
BIOC 201	Introductory Biology		
BIOC 341	Cell Biology		
BIOE 252	Bioengineering Fundamentals		
BIOE 320	Systems Physiology Lab Module		
BIOE 322	Systems Physiology		
BIOE 330	Bioreaction Engineering		
BIOE 332	Thermodynamics		
BIOE 383	Biomedical Instrumentation		
BIOE 385	Biomedical Instrumentation Lab		
BIOE 342	Tissue Culture Laboratory		
BIOE 370	Biomaterials		
BIOE 372	Biomechanics		
BIOE 391	Numerical Methods		
BIOE 420	Biosystems Transport & Reaction Processes		
BIOE 440 or BIOE 439	Statistics for Bioengineers		
BIOE 44X	Advanced Bioengineering Labs		
BIOE 451	Bioengineering Design I		
BIOE 452	Bioengineering Design II		
<i>(Fill in course number and title)</i>			Engineering Points*
Technical Elective 1			
Technical Elective 2			
Technical Elective 3			

\*For students graduating in May 2011 and later, Technical Electives must total 6 or more Engineering Points.

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Student's Signature

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Date

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Advisor's Signature

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Date