

Bioengineering – Program Map – 2017-18

First Year	MATH 021 Calc for Sci & Engr	PHYS 008 Intro Physics I	BIO 001 & BIO 001L Contemp. Bio. & Lab	CORE 001 The World at Home	<p>For information about prerequisites, download the Bioengineering Program Map 2017-18. Prerequisite document here.</p>
	MATH 022 Calc II for Sci & ENGR	PHYS 009 Intro Phys II	CHEM 002 Intro to Chem I	WRI 010 College Wri & Comp	
Semester 3	MATH 024 Lin Algebra/Diff Equations	BioE 021 Computing for Bioengineers	CHEM 010 Intro to Chem II	ENGR 045 Intro to Materials	
Semester 4	MATH 023 Vector Calculus	BioE 060 Signals and Systems	CHEM 008 & CHEM 008L Organic Chemistry & Lab	BIO 002 & BIO 002L Molecular Bio. & Lab	
Semester 5	MATH 032 Probability & Stats	BIOE 104 Biotransport	BIOE 065 Biocircuits Theory	General Education	<p>This guide in an unofficial document intended to be used for advising/course planning only. This document cannot be used to supersede or waive requirements listed in the UCM Catalog unless approved by your advisor.</p>
Semester 6	BIOE 106 Cell Bio for Engineers	BIOE 135 Biochemistry for Engineers	BIOE 166 Bioelectronics	BIOE 130 Biothermodynamics	
Semester 7	BIOE 140 Biomolecular Engineering	BIOE 113 Bioinstrumentation	BIOE 100 Physiology for Engr	Upper Division Writing	
Semester 8	BIOE 150 BIOE Design	General Education	ENGR 191 Professional Sem.	Technical Elective	General Education