

# UCO Biomedical Engineering Flowchart

These courses have prerequisites. To make sure you meet the prerequisites look on the Course Catalog.

Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
MATH 2305 Accel Calc 1/2 <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Quant</span>	MATH 2333 Calculus 3	MATH 2343 Calculus 4	MATH 3103 Diff Eq	ENGR 3203 Therm/Fluids 1	ENGR 4113 Princ of BME	ENGR 4233 Biomed Instr	ENGR 4422 Senior Design II
PHY 2014 PSE I & Lab <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Quant</span>	PHY 2114 PSE II & Lab	ENGR 2033 Statics	ENGR 2043 Dynamics	ENGR 3404 Anal Elec & Lab	ENGR 3324 Sig & Ctrl Sys & Lab	ENGR 4412 Senior Design I	ENGR 4223 Biomed Imaging
ENGR 1112 Intro to Engr	ENGR 1211 Intro to BME	ENGR 2304 Elec Sci & Lab	ENGR 3302 Engr Exp	BIO 2604 Hum Phys & Lab	ENGR 3604 Dig Elec & Lab	ENGR 4122 BME Lab	POL 1113 Am Nat Govt <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Hist</span>
BIO 1204 Gen Bio for Maj. <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Quant</span>	CHEM 1103/1112 Gen Chem I & Lab	ENGR 1213 Engr Computing <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Life</span>	BIO 2203 Cell Bio	PHY 3884 Math Phys I	ENGR 3183 Elec & Mag	HUM 2113/2223 Humanities <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Crit</span>	FMKT 2323 Global Div/Prot <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Cult</span>
ENG 1113 English Comp <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Comm</span>	ENG 1213 Engl Comp Res <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Comm</span>	CHEM 1223/1232 Gen Chem II & Lab	PHY 3103 Mod Phys	CHEM 3303 Org Chem I	CHEM 3323 Org Chem II	HIST 1483/1493 Hist of US <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Hist</span>	ECON 1103 Intro to Econ <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Soc</span>
		HLTH 1112 Hlth Life Skills <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Life</span>	ENGR 1213 Engr Computing <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Life</span>	PHIL 3513 BME Ethics	PHIL 1123 Ctmp Moral Prb <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Crit</span>	COMM 1113 Fund of Speech <span style="background-color: #0056b3; color: white; font-size: 8px;">CC/Comm</span>	
Inst = 18 hrs	Inst = 16 hrs	Inst = 15 hrs	Inst = 14 hrs	Inst = 18 hrs	Inst = 17 hrs	Inst = 16 hrs	Inst = 14 hrs
Med = 18 hrs	Med = 16 hrs	Med = 17 hrs	Med = 14 hrs	Med = 17 hrs	Med = 17 hrs	Med = 16 hrs	Med = 14 hrs

### Core Curriculum

CC/Comm	Written and Oral Communication	CC/Life	Life Skills
CC/Crit	Critical Inquiry Aesthetic Analysis	CC/Quant	Quantitative Reasoning/Sci. Method
CC/Cult	Cultural and Language Analysis	CC/Soc	Social and Behavioral Analysis
CC/Hist	Historical and Political Analysis		

### Biomedical Engineering Tracks

1. Bioinstrumentation (Inst)	2. Pre-Medical (Med)
<div style="border: 1px solid black; padding: 5px; width: 80%; margin: 0 auto;">                 Courses that look like this.             </div>	<div style="border: 1px solid black; padding: 5px; width: 80%; margin: 0 auto;">                 Courses that look like this.             </div>
128 hours	129 hours