

UCO Biomedical Engineering—Concentration B: Instrumentation Fields

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

Year 1		Year 2		Year 3		Year 4	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
1 MATH 2313 Calculus 1 CC/Quant	5 MATH 2323 Calculus 2 1	9 MATH 2333 Calculus 3 5	14 MATH 2343 Calculus 4 9	19 BME 3043 Biomaterials 8,11,12,13,15C	25 ENGR 3323 Sig. and Sys. 15,17,18, A	30 ENGR 4882 Senior Design I 20,25,26,27,28,S,P, A	34 ENGR 4892 Senior Design II 30,S, A
2 PHIL 2000 Engineering Ethics CC/Crit	6 PHY 2014 PSE I & Lab CC/Quant 5C,P	10 ENGR 2033 Statics 6,9C	15 MATH 3103 Differential Equation 14C,P	20 BME 3113 Principles of BME 8,10,12,13,15,21C	26 ENGR 3331 Sig. and Sys. Lab 25C	31 ENGR 3223 Digital Logic Design & Lab 17,18	35 BME 4343 Biomechanics 10, 15, A
3 ENGR 1112 Intro. to Engr. & Lab	7 ENGR 1213 Engr. Comput. & Lab CC/Life	11 PHY 2114 PSE II & Lab 6,9C	16 BIO 2203 Cell Biology 4,12	21 BIO 2604 Human Phys & Lab 12, 16	27 ENGR 3303 Engr. Prob. & Stat. 23, 24	32 BME 4223 Biomedical Imaging 26, A	HIST 1483/1493 History of US CC/Hist
4 BIO 1204 Biology I For Majors CC/Quant	MCOM 1113 Fund. of Speech CC/Comm	HLTH 1112 Health Life Skills CC/Life	ECON 1103 Intro. to Econ. CC/Soc	22 ENGR 3403 Analog Elec. 17,18	28 BME 4233 Biomedical Instr. 15,17,18	33 BME 4132 BME Lab 25, 26, 28, A	POL 1113 Am. Nat. Govt. CC/Hist
ENG 1113 English Comp. CC/Comm	ENG 1213 English Comp. Res. CC/Comm	12 CHEM 1103 Gen. Chem. I	17 ENGR 2303 Electrical Science 11, 18C	23 ENGR 3421 Analog Elec. Lab 22C	HUM 2113/2223 Humanities CC/Crit	FMKT 2323 Global Div/Prot or Foreign Language CC/Cult	36 BME/ENGR/PHY xxx3 Elective
	8 BME 1311 Intro. to BME	13 CHEM 1112 Gen. Chem. I Lab	18 ENGR 2311 Electrical Science Lab 17C	24 PHY 3883 Math Physics I 11,14	29 BME/ENGR/PHY/BIO xxx3 11,14C		
Core Curriculum CC/Comm Written and Oral Communication CC/Crit Critical Inquiry Aesthetic Analysis CC/Cult Cultural and Language Analysis CC/Hist Historical and Political Analysis CC/Life Life Skills CC/Quant Quantitative Reasoning/Sci. Method CC/Soc Social and Behavioral Analysis		Course Sequence ■ Fall and Spring course ■ Fall or Spring course		BME/ENGR/PHY/BIO xxx3 Elective Choose any 3000 or 4000 level BME, ENGR, or PHY course or 3000 level BIO course		BME/ENGR/PHY xxx3 Elective Choose any 3000 or 4000 level BME, ENGR, or PHY course	
15 hrs.		17 hrs.		17 hrs.		16 hrs.	
17 hrs.		16 hrs.		17 hrs.		16 hrs.	
13 hrs.		14 hrs.		13 hrs.		14 hrs.	

Prerequisite
 C: Concurrent Enrollment
 P: Permission Required
 J: Junior Standing
 S: Senior Standing
 A: Admission to EP and BME Programs