

UCO BS Electrical Engineering

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								
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 1 MATH 2313 Calculus 1 CC/Quant </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 2 PHIL 1123 Cont. Moral Prob. CC/Crit </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 3 ENGR 1112 Intro. to Engr. & Lab CC/Comm </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 4 BIO 1114 Gen. Bio. CC/Quant </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> ENGR 1113 English Comp. CC/Comm </div>	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 5 MATH 2323 Calculus 2 1 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 6 PHY 2014 PSE I & Lab CC/Quant 5C,P </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 7 ENGR 1213 Engr. Comput. & Lab CC/Life </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> MCOM 1113 Fund. of Speech CC/Comm </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> ENGR 1213 English Comp. Res. CC/Comm </div>	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 8 MATH 2333 Calculus 3 5 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 9 ENGR 2033 Statics 6,8C </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 10 PHY 2114 PSE II & Lab 6,8C </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> HLTH 1112 Health Life Skills CC/Life </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 11 CHEM 1315 Chem. for Engr. and Lab 10 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 12 CHEM 1315L Chem. for Engr. Recitation and Lab 17C </div>	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 13 MATH 2343 Calculus 4 8 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 14 MATH 3103 Differential Equation 13C,P </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 15 PHY 3103 Mod. Phys. 10,13C </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 16 ENGR 3703 Comp. Meth. Engr 6,7,14C </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 17 ENGR 2303 Electrical Science 10 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 18 ENGR 2311 Electrical Science Lab 17C </div>	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 19 PHY 3883 Math Physics I 10,13 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 20 ENGR 3403 Analog Elec. 17,18 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 21 ENGR 3421 Analog Elec. Lab 20C </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 22 ENGR 3413 Material Science 10,11, 14C A </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 23 ENGR 3303 Engr. Prob. & Stat. 17,18 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 24 ENGR 3223 Digital Logic Design & Lab 17,18, A </div>	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 25 ENGR 3183 EM Fields I 19, A </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 26 ENGR 3323 Sig. and Sys. 14,17, A </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 27 ENGR 3331 Sig. and Sys. Lab 26C </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 28 ENGR 3613 Microprocessors & Lab 17,18,24 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 29 ENGR 3803 Elect. Power System 13,17,18 </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 30 HUM 2113/2223 Humanities CC/Crit </div>	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 31 ENGR 4882 Senior Design I 23,S,P,A </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 32 ENGR 4333 Dig Sig. Proc. 26, A </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 33 ENGR 4351 Dig Sig. Proc. Lab 32C </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> ECON 1103 Intro. to Econ. 17,18,26, A </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 35 ENGR 4xx3 Elective CC/Soc </div>	<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 36 ENGR 4892 Senior Design II 31,S, A </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> HIST 1483/1493 History of US CC/Hist </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> FMKT 2323 Global Div/Prot or Foreign Language CC/Cult </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> 37 ENGR 4323 Digital & Analog Comm. 26, A </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> POL 1113 Am. Nat. Govt. CC/Hist </div>								
15 hrs.		16 hrs.		17 hrs.		16 hrs.		16 hrs.		16 hrs.		15 hrs.		14 hrs.	

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

Prerequisite

C: Concurrent Enrollment

P: Permission Required

J: Junior Standing

S: Senior Standing

A: Admission to EP and BME Programs

Elective Group

[E1] ENGR 4263 Engineering Optics (10)

[E2] ENGR 4613 Photonics (15, E1)

[E3] ENGR 4633 Solid State Device (15,20,25)

[E4] ENGR 4183 Electromagnetic Field II (25)

[E5] ENGR 4303 Control System (26)