

# UCO Engineering Physics-Physics

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
MATH 2305 Accel Calc 1/2 <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Quant</span>	MATH 2333 Calculus 3	MATH 2343 Calculus 4	MATH 3103 Diff Eqn	PHY 3883 Math Phys I	ENGR 3183 EM Fields I	ENGR 3263 Engr. Optics	ENGR 4422 Senior Design II
PHY 2014 PSE I & Lab <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Quant</span>	PHY 2114 PSE II & Lab	ENGR 2033 Statics	ENGR 3302 Engr. Exp.	ENGR 3404 Analog Elec & Lab	ENGR 3324 Sig & Ctrl Sys & Lab	ENGR 4412 Senior Design I	HIST 1483/1493 Hist of US <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Hist</span>
ENGR 1112 Intro to Engr	ENGR 1213 Engr Computing <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Life</span>	ENGR 2303 Electrical Science	PHY 3103 Mod Phys	ENGR 3203 Thermodynamics	ENGR 3443 Fluid Mechanics	ECON 1103 Intro to Econ <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Soc</span>	FMKT 2323 Global Div/Prot <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Cult</span>
ENG 1113 English Comp <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Comm</span>	PHIL 1123 Ctmp Moral Prb <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Crit</span>	ENGR 2311 Electrical Science Lab	ENGR 2143 Str of Matls	ENGR 3703 Comp Meth Engr	HUM 2113/2223 Humanities <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Crit</span>	ENGR 4633 Solid State Dev	BIO 1114 Gen Bio <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Quant</span>
COMM 1113 Fund of Speech <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Comm</span>	ENG 1213 English Comp Res <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Comm</span>	CHEM 1103 Gen Chem I	ENGR 2043 Dynamics	POL 1113 Am Nat Govt <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Hist</span>	PHY 4003 Math Phys II	PHY 4163/ ENGR 4183 Analytical Mech./ EM Fields II	PHY 4173/4203 Class/Quant Mech
		CHEM 1112 Gen Chem I Lab	HLTH 1112 Hlth Life Skills <span style="background-color: #0056b3; color: white; padding: 2px;">CC/Life</span>		ENGR/PHY xxx3 Elective		
<b>Core Curriculum</b>							
<span style="background-color: #0056b3; color: white; padding: 2px;">CC/Comm</span> Written and Oral Communication							
<span style="background-color: #0056b3; color: white; padding: 2px;">CC/Crit</span> Critical Inquiry Aesthetic Analysis							
<span style="background-color: #0056b3; color: white; padding: 2px;">CC/Cult</span> Cultural and Language Analysis							
<span style="background-color: #0056b3; color: white; padding: 2px;">CC/Hist</span> Historical and Political Analysis							
<span style="background-color: #0056b3; color: white; padding: 2px;">CC/Life</span> Life Skills							
<span style="background-color: #0056b3; color: white; padding: 2px;">CC/Quant</span> Quantitative Reasoning/Sci. Method							
<span style="background-color: #0056b3; color: white; padding: 2px;">CC/Soc</span> Social and Behavioral Analysis							
17 hrs.	16 hrs.	15 hrs.	16 hrs.	16 hrs.	19 hrs.	14 hrs.	15 hrs.

The UCO Engineering Physics Program is accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD, 21202-4012 – telephone: (410) 347-7700.

**ENGR/PHY xxx3 Electives**  
Choose any 3000 or 4000 level PHY or ENGR course with the following exceptions: PHY 3014, PHY 3044, PHY 3054, or PHY 3503.