

Engineering Physics

Freshman Year				Junior Year			
PHYS 170, Univ. Physics I PHYS 171, Expl in Physics I	3 1	PHYS 172, Univ. Phy II ENGR 173, Exp. in Eng. I	3 1	PHYS 360, Electromagnetism I	3	OTH: Microprocessors and multicore Designs for reliable embedded Systems	3
MATH 170, Calculus I	4	MATH 171, Calculus II	4	ENGR 350, Digital Logic	3	OTH: Applied Optics Optics OTH: Optoelectronics Project using Labview	3 1
CORE 100, First Year Seminar	3	CSCI 170, Computer Science I	3	ENGR 370, Fluid Mechanics (OF)	3	<del>ENGR 384, Heat Transf (ES)</del>	<del>3</del>
CORE 101, GOA	0	THEO 111, Theol Foundations	3	MATH 256, Statistics	3	OTH: Analog/Digital and analog/digital converter OTH: Lab (replaces Signals and	3 1
Second Language 103 level	3	CORE 102, GOA	0	Philosophical Perspectives	3	German as a foreign language	
		Second Language 201 level	3	Historical Perspectives	3		
8 p / 6 c hours. (8 / 6)	14	11 p / 6 c (19 / 12)	17	12 p / 3 c (52 / 24)	18	11 p / 6 c (63 / 30)	17

Sophomore Year				Senior Year			
PHYS 330, Modern Physics I PHYS 331. M. Phvs I Lab ***	3 2	ENGR 244, Electronics ENGR 245. Electronics Lab***	3 1	ENGR 395, Senior Project I	2	ENGR 398, S D. Project II***	2
PHYS 242, Circuit Analysis** PHYS 243. Circuit An. Lab	3 1	MATH 230, Diff. Equations (taught only in Spring)	3	ENGR 346, Signals & Syst. (EF) ENGR 347. Sig & Sys Lab	3 1	ENGR 380, Control Systems (OS)	3
MATH 220, Calculus III	4	ENGR 180, Intro to MATLAB	1	PHYS 350, T Mech	3	ENGR 358, A&D Com. (OS)	3
ENGL 101, Composition	3	Theological Perspectives	3	Creative Perspectives	3	Humanities Elective	3
		PHIL 100, Ethics as Intro to Ph	3	Social Science Elective	3	ER/S Flag* or Free Elective	3
		Lit. & Moral Imagination	3	Diversity Flag*	(3)	ENGR 396, Colloquium (ES)	1
13 p / 3 c (32 / 15)	16	8 p / 6 c (40 / 21)	17	9 p / 6 c (72 / 36)	15	8 p / 6c (80 / 42)	15

\*If not satisfied through a required core course

\*\* satisfies QR flag

\*\*\* satisfies Oral flag

\*\*\*\* satisfies Writing flag