

PHYSICS MAJOR WITH A CONCENTRATION IN ENGINEERING PHYSICS

Four Year Plan

Course	Title	Hours
First Year		
Fall		
MATH 119	Calculus I	4
PHYS 191	Foundations of Physics I	4
INTG 105	College Success	1
INTG 100	Foundations	4
Language 111		4
Hours		17
Spring		
Cultural and Social Difference - Identity		4
Language 112		4
PHYS 200	Foundations of Physics II	4
MATH 120	Calculus II	4
PHYS 155	Introduction to Engineering	2
Hours		18
Second Year		
Fall		
THEO 100	Theological Explorations	4
PHYS 255	CAD Prototyping & Testing	2
MATH 239	Linear Algebra	4
PHYS 211	Foundations of Physics III	4
PHYS 332	Intermediate Physics Laboratory	1
Hours		15
Spring		
Cultural and Social Difference - Systems		4
Language 211		4
PHYS 320	Modern Physics	4
PHYS 332	Intermediate Physics Laboratory	1
Way of Thinking		4
Hours		17
Third Year		
Fall		
Way of Thinking with Thematic Focus		4
MATH 305	Multivariable Calculus	4
PHYS 339	Physical Mechanics	4
PHYS 370	Advanced Physics Laboratory	1
PHYS electives		2
Hours		15
Spring		
Way of Thinking		4
PHYS 355		2
PHYS 370	Advanced Physics Laboratory	1
PHYS 217	Digital Electronics (odd years)	2
PHYS 338	Analog Electronics for Scientists (odd years)	2
Free electives		4
Hours		15
Fourth Year		
Fall		
THEO 3XX		4
PHYS electives		2
PHYS 374	Senior Engineering Design Project	1
CHEM 125	Introduction to Chemical Structure and Properties	4

CHEM 201	Purification and Separation Lab I	1
Free electives		4
Hours		16
Spring		
INTG 300	Learning Integrations	4
PHYS 343	Thermodynamics	2
PHYS 373	Senior Thesis	1
Free electives		8
Hours		15
Total Hours		128