

# PHYSICS MAJOR WITH A CONCENTRATION IN ENGINEERING PHYSICS

## Four Year Plan

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
MATH 119	Calculus I	4
PHYS 191	Foundations of Physics I	4
INTG 105	College Success	1
INTG 100	Foundations	4
Language 111		4
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
MATH 120	Calculus II	4
PHYS 155	Introduction to Engineering	2
PHYS 200	Foundations of Physics II	4
CSD 100	Cultural and Social Difference: Identity	4
Language 112		4
<b>Hours</b>		<b>18</b>
<b>Second Year</b>		
<b>Fall</b>		
THEO 100	Theological Explorations	4
MATH 239	Linear Algebra	4
PHYS 211	Foundations of Physics III	4
PHYS 255	CAD Prototyping & Testing	2
PHYS 332	Intermediate Physics Laboratory	1
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
CSD 300	Cultural and Social Difference: Systems	4
PHYS 320	Modern Physics	4
PHYS 332	Intermediate Physics Laboratory	1
Language 211		4
Way of Thinking		4
<b>Hours</b>		<b>17</b>
<b>Third Year</b>		
<b>Fall</b>		
MATH 305	Multivariable Calculus	4
CHEM 125	Introduction to Chemical Structure and Properties	4
CHEM 201	Purification and Separation Lab I	1
PHYS 339	Physical Mechanics	4
PHYS 370	Advanced Physics Laboratory	1
PHYS electives		2
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
PHYS 355	MATLAB for Physical Applications	2
PHYS 370	Advanced Physics Laboratory	1
PHYS 217	Digital Electronics (odd years)	2
PHYS 338	Analog Electronics for Scientists (odd years)	2
Way of Thinking		4
Free electives		4
<b>Hours</b>		<b>15</b>
<b>Fourth Year</b>		
<b>Fall</b>		
PHYS 374	Senior Engineering Design Project	1
Theological Integrations		4
PHYS electives		2

Way of Thinking	4	
Free electives	4	
<b>Hours</b>		
	<b>15</b>	
<b>Spring</b>		
INTG 300	Learning Integrations	4
PHYS 343	Thermodynamics	2
PHYS 355	MATLAB for Physical Applications	2
PHYS 373	Senior Thesis	1
Free electives	8	
<b>Hours</b>		
	<b>17</b>	
<b>Total Hours</b>		
	<b>130</b>	