

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN PHYSICS**

**TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (MATHEMATICS)</b>	<b>OTHER REQUIREMENTS</b>	<b>Electives</b>
<b>42 credits of Gen. Ed. Core</b>	<b>34 credits</b>	<b>18 credits</b>	<b>26</b>
ENG 131 (3)**	PHYS 151 (1)	MATH 241(4)	14 Prescribed Electives 12 Free Electives
ENG 132 (3)	PHYS 152 (3)	MATH 242 (4)	
ENG 2xx (3)	PHYS 217 (1)	MATH 243 (4)	
SC 135/136, CHNS 131, FR 131, SPAN 131 or Approved African American Studies(3)	PHYS 218 (1)	MATH 250 (3)	
MATH 136 (3)	PHYS 247 (3)	MATH 251 (3)	
PHYS 251 (3)	PHYS 252 (3)		
CHEM 131 (3)	PHYS 272 (3)		
CS 116 (3)	PHYS 332 (3)		
MUSI 131,THC 130 or ART 131 (3)	PHYS 333 (3)		
HIST 231 (3)	PHYS 336 (3)		
HIST 232 (3)	PHYS 353 (3)		
POLS 235 (3)	PHYS 360 (2)		
POLS 236 (3)	PHYS 366 (3)		
ECON 231 (3)	PHYS 415 (1)		
	PHYS 416 (1)		

**Bachelor of Science Degree in Physics**  
**Four Year Degree Plan - Total Credits: 120**

<b>First Year</b>	<b>First Semester</b>		<b>Second Semester</b>	
	ENG *131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 136 or MATH 241** Calculus & Analytic Geometry I	3 (4)	MATH 241 or 242 Calculus & Analytic Geometry I or II	4
	CHEM 131 General Chemistry I	3	Approved African American Studies Course, CHNS 131,FR 131,SPAN 131,or SC 135/136	3
	PHYS 151& 152:Pre-Univ. Phys. Lab & Lec	4	MUSI 131 or ARTS 131,	3
	CS 116 Intro. To Comp. Sc.	3	PHYS 251 & 217: Univ. Phys. I & Lab	4
		16(17) SCH		17 SCH
<b>Second Year</b>	<b>Third Semester</b>		<b>Fourth Semester</b>	
	ENG 2xx Upper level English	3	MATH 251 Differential Equations	3
	MATH 242 or MATH 243 Calculus & Analytic Geometry II or III	4	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	POLS 235 Government/Political Science	3
	MATH 250 Linear Algebra	3	Math 243 or Prescribed Elective.	4 (3)
	PHYS 252& 218: Univ. Phys. II & Lab	4	ECON 231	3
		17 SCH		16 (15) SCH
<b>Third Year</b>	<b>Fifth Semester</b>		<b>Sixth Semester</b>	
	PHYS 247Math Methods	3	PHYS 332 Modern Physics	3
	PHYS 272 Mechanics	3	PHYS 333 Electricity and Magnetism	3
	POLS 236 Government/Political Science	3	PHY 360 Advanced Undergraduate Lab	3
	Prescribed Elective	3	Prescribed Elective	3
	Free Elective	3	Free Elective	3
		15 SCH		15 SCH
<b>Fourth Year</b>	<b>Seventh Semester</b>		<b>Eighth Semester</b>	
	PHYS 336 Thermodynamics & Stat.	3	PHYS 366 Nuclear Physics	3
	PHYS 353 Quantum Physics	3	PHYS 416	1
	PHYS 415	1	Prescribed Elective	5
	Prescribed Elective	2	Free Elective	3
	Free Elective	3		
		12 SCH		12 SCH