

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN PHYSICS  
MEDICAL HEALTH PHYSICS TRACK  
TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>MAJOR (MATHEMATICS)</b>	<b>OTHER REQUIREMENTS</b>	<b>Electives</b>
<b>42 credits</b>	<b>34 credits</b>	<b>18 credits</b>	<b>26</b>
ENG 131 (3)**	PHYS 151 (1)	MATH 241 (4)	Prescribed 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 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, Medical Health Physics Track  
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& PHYS 152 Pre-University Physics Lab & Lecture	4	MUSI 131 or ARTS 131,Visual and Performing Arts***	3
	CS 116 Intro. To Comp. Sc.	3	PHYS 251 and PHYS 217: University Physics I and 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
	PHYS 252 & 218: Univ. Phys. II & Lab	4	ECON 231	3
		17 SCH		16 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 in Med-Health-Phys	6	Prescribed Elective in Med-Health-Phys	5(4)
		15SCH		14 (13) 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 in Med-Health-Phys	8
	Prescribed Elective in Med-Health-Phys	6		
		13 SCH		12 SCH