## **Curriculum for Physics**

	Freshman Fall Semester			Freshman Spring Semester
Course	Course Name	Cr	Course	Course Name C
26-201	General Physics I*	4	26-202	General Physics II* 4
25-251	Calculus I	4	25-252	Calculus II 4
24-101	Gen and Analytical Chemistry I	4	26-220	Scientific Programming 3
01-101	English Composition I*	3	01-102	English Composition II* 3
26-191	University Seminar I*	1	26-192	University Seminar II* 1
	Total Credits	16		Total Credits 1
	Sophomore Fall Semester			Sophomore Spring Semester
Course	Course Name	Cr	Course	Course Name C
26-313	Analytic Mechanics I	3	26-314	Analytic Mechanics II 3
26-316	Introduction to Optics*	4	50-309	Electronic Circuit Analysis I 4
25-351	Differential Equations	3	25-253	Calculus III 4
01-xxx	World Literature Elective*	3	01-200	Speech 3
16-100	Lifetime Fitness and Wellness	2	xx-xxx	Arts and Humanities Elective 3
	Total Credits	15		Total Credits 1
	Junior Fall Semester	15		Total Credits 1  Junior Spring Semester
Course		Cr	Course	Junior Spring Semester Course Name
<b>Course</b> 26-361	Junior Fall Semester  Course Name  Modern Physics		<b>Course</b> 26-362	Junior Spring Semester  Course Name  Quantum Mechanics  3
	Junior Fall Semester Course Name	Cr		Junior Spring Semester Course Name
26-361	Junior Fall Semester  Course Name  Modern Physics	Cr 3	26-362	Junior Spring Semester  Course Name  Quantum Mechanics  3
26-361 26-331	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I	<b>C</b> r 3	26-362 26-332	Junior Spring Semester  Course Name Quantum Mechanics  Math Methods of Physics II  3
26-361 26-331 26-305	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I  Thermal Physics	Cr 3 3 3 3	26-362 26-332 26-xxx	Junior Spring Semester  Course Name Quantum Mechanics  Math Methods of Physics II  Technical Elective  3
26-361 26-331 26-305 xx-xxx	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I  Thermal Physics  Technical Elective	Cr 3 3 3 3/4	26-362 26-332 26-xxx 31-395	Junior Spring Semester  Course Name Quantum Mechanics  Math Methods of Physics II  Technical Elective  Global Societies  3
26-361 26-331 26-305 xx-xxx	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I  Thermal Physics  Technical Elective  World History Elective  Total Credits	Cr 3 3 3 3/4 3	26-362 26-332 26-xxx 31-395	Junior Spring Semester  Course Name Quantum Mechanics 3 Math Methods of Physics II 3 Technical Elective 3 Global Societies 3 Social Science Elective 3 Total Credits 1
26-361 26-331 26-305 xx-xxx 34-xxx	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I  Thermal Physics  Technical Elective  World History Elective  Total Credits  Senior Fall Semester	Cr 3 3 3 3/4 3	26-362 26-332 26-xxx 31-395 xx-xxx	Junior Spring Semester  Course Name Quantum Mechanics  Math Methods of Physics II  Technical Elective  Global Societies  Social Science Elective  Total Credits 1  Senior Spring Semester
26-361 26-331 26-305 xx-xxx 34-xxx	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I  Thermal Physics  Technical Elective  World History Elective  Total Credits	Cr 3 3 3 3/4 3 15-16	26-362 26-332 26-xxx 31-395	Junior Spring Semester  Course Name Quantum Mechanics  Math Methods of Physics II  Technical Elective  Global Societies  Social Science Elective  Total Credits 1  Senior Spring Semester  Course Name
26-361 26-331 26-305 xx-xxx 34-xxx Course 26-401	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I  Thermal Physics  Technical Elective  World History Elective  Total Credits  Senior Fall Semester  Course Name  Electricity and Magnetism I	Cr 3 3 3 3/4 3 15-16 Cr 3	26-362 26-332 26-xxx 31-395 xx-xxx Course 26-402	Junior Spring Semester  Course Name Quantum Mechanics  Math Methods of Physics II  Technical Elective  Global Societies  Social Science Elective  3  Total Credits 1  Senior Spring Semester  Course Name Electricity and Magnetism II  3
26-361 26-331 26-305 xx-xxx 34-xxx  Course 26-401 26-407	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I  Thermal Physics  Technical Elective  World History Elective  Total Credits  Senior Fall Semester  Course Name  Electricity and Magnetism I  Advanced Modern Physics	Cr 3 3 3 3/4 3 15-16 Cr 3 4	26-362 26-332 26-xxx 31-395 xx-xxx	Junior Spring Semester  Course Name Quantum Mechanics  Math Methods of Physics II  Technical Elective  Global Societies  Social Science Elective  Total Credits 1  Senior Spring Semester  Course Name Electricity and Magnetism II  Theoretical & Experimental Research** 3
26-361 26-331 26-305 xx-xxx 34-xxx Course 26-401	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I  Thermal Physics  Technical Elective  World History Elective  Total Credits  Senior Fall Semester  Course Name  Electricity and Magnetism I	Cr 3 3 3 3/4 3 15-16 Cr 3	26-362 26-332 26-xxx 31-395 xx-xxx Course 26-402	Junior Spring Semester  Course Name Quantum Mechanics  Math Methods of Physics II  Technical Elective  Global Societies  Social Science Elective  3  Total Credits 1  Senior Spring Semester  Course Name Electricity and Magnetism II  3
26-361 26-331 26-305 xx-xxx 34-xxx  Course 26-401 26-407	Junior Fall Semester  Course Name  Modern Physics  Math Methods of Physics I  Thermal Physics  Technical Elective  World History Elective  Total Credits  Senior Fall Semester  Course Name  Electricity and Magnetism I  Advanced Modern Physics	Cr 3 3 3 3/4 3 15-16 Cr 3 4	26-362 26-332 26-xxx 31-395 xx-xxx Course 26-402 26-418	Junior Spring Semester  Course Name Quantum Mechanics  Math Methods of Physics II  Technical Elective  Global Societies  Social Science Elective  Total Credits 1  Senior Spring Semester  Course Name Electricity and Magnetism II  Theoretical & Experimental Research** 3

Total Credits 1	Total Credits 16-17
Total Credits:	

- \*\* Senior Capstone
- \* Writing Intensive Course(s)

Students will complete a course that addresses the African-American experience. This course may also satisfy the arts & humanities elective, the social science elective or can be taken to fulfill a free elective

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