



# NORTHEASTERN STATE UNIVERSITY

*College of Science & Health Professions*

## 2016 – 2017 Physics

### First Year – Freshman

Fall Semester (even)	Spring Semester (odd)
ENGL 1113* Freshman Comp I	ENGL 1213* Freshman Comp II
MATH 2614 Calculus I	MATH 2624 Calculus II
CS 2014 Computer Science I	PHYS 2115 Engineering Physics I
Biological Science, 3 hours*	CS 2163 Computer Science II
UNIV 1002* University Strategies	
<b>Total Hours 16</b>	<b>Total Hours 15</b>

### Second Year – Sophomore

Fall Semester (odd)	Spring Semester (even)
MATH 2633 Calculus III	PHYS 3103 Mathematical Methods in Physics
PHYS 2215 Engineering Physics II	PHYS 3213 Modern Physics
HIST 1483 or 1493* American History	POLS 1113* American Federal Government
Free Electives, 5 hours	Humanities, 3 hours*
	Communications, 3 hours*
<b>Total Hours 16</b>	<b>Total Hours 15</b>

### Third Year – Junior

Fall Semester (even)	Spring Semester (odd)
PHYS 3613 Optical Instrumentation	PHYS 3413 Thermodynamics and Statistical Mechanics
PHYS 3113 Mechanics	PHYS 4323 Physics for Engineers
Guided Major Elective: PHYS 4254 Quantum Mechanics	Global Perspectives, 3 hours*
Humanities, 3 hours*	Social Sciences, 3 hours*
Global Perspectives Elective, 3 hours*	Free Electives, 4 hours
<b>Total Hours 16</b>	<b>Total Hours 16</b>

### Fourth Year – Senior

Fall Semester (odd)	Spring Semester (even)
PHYS 3004 Scientific Computation	PHYS 4114 Electricity and Magnetism
PHYS 3714 Electronics	PHYS 4503 Advanced Physics Lab
PHYS 4901 Research in Physics	Guided Major Elective: PHYS 3623 Wave Optics
Free Electives, 6 hours	PHYS 4350 Senior Seminar, 1 hour
	PHYS 4901 Research in Physics
	Free electives, 3 hours
<b>Total Hours 15</b>	<b>Total Hours 15</b>

### Total Degree Plan Hours 124

\*General Education Requirement. \*\*See current catalog "General Requirements" for selection.

08/26/2016