

B.S. DEGREE in PHYSICS+
with Science Communication Emphasis
Iowa State University - 2019

Semester 1	Freshman Year	Semester 2	
Critical Thinking and Comm. - Engl 150	3	Intro to Class. Physics II – Phys 242	5
Introductory Seminar - Phys 199	R	Calculus III - Math 265	4
Intro to Classical Physics I – Phys 241	5	Social Science Choice	3
Calculus II – Math 166	4	Natural Science Choice	5
Humanities Choice	3		17
Library Instruction – Lib 160	1		
	<u>16</u>		

Semester 1	Sophomore Year	Semester 2	
WOVE Composition - Engl 250	3	Intro to Modern Physics II – Phys 322	3
Intro to Modern Physics I – Phys 321	3	Intro Lab in Mod Phys II – Phys 322L	1
Intro Lab in Mod Phys I - Phys 321L	1	Classical Mechanics - Phys 361	3
Elementary Differential Equations and Laplace Transforms – Math 267	4	Introduction to Partial Differential Equations - Math 385	3
Introduction to Solar System Astronomy - Astro 342	3	Humanities Choice	3
Humanities Choice	3	Social Science Choice	3
	<u>17</u>		<u>16</u>

Semester 1	Junior Year	Semester 2	
Science Communication - JL MC 347	3	Thermal Physics – Phys 304	3
Electricity and Magnet. I - Phys 364	3	Publicity Methods - PR 305	3
English Proficiency Requirement - Engl 302, 305, 309 or 314	3	Introduction to Astrophysics - Astro 346	3
Matrix/Lin. Algebra – Math 207/317	3	Foreign Language (or Elective)	4(3)
Foreign Language (or Elective)	4(3)	Elective	3
	<u>16(15)</u>		<u>16(15)</u>

Semester 1	Senior Year	Semester 2	
Electronics - Phys 310 (or elective)	4	Intermediate Laboratory – Phys 311 ¹	2
Quantum Mechanics – Phys 480	3	Engineering Statistics - STAT 305	3
Journalism Elective²	3	Journalism Elective²	3
Astro 344L ¹	3	Humanities Choice	3
Social Science Choice	3	Elective	3
	<u>16</u>		<u>14</u>

¹ Students must earn a minimum of two laboratory credits from Phys 311, 311T, 450L, 470L, Astro 344L or 450L.

² Students must earn a minimum of six credits from JL MC 242, JL MC 307, JL MC 311, JL MC 497.

Students in all ISU majors must complete a three-credit course in U.S. diversity and a three-credit course in international perspectives. Check (<http://www.iastate.edu/~registrar/courses/div-list.html>) for a list of LAS majors require a minimum of 120 credits, including a minimum of 45 credits at the 300/400 level.

You must also complete the LAS foreign language requirement.