



**University of Montana - Four-Year Academic Plan 2019-2020**  
**College of Humanities and Sciences**  
**Bachelor of Arts in Physics, Computational Physics Concentration**

This is an example of a four year graduation plan for a degree in Physics with a Concentration in Computational Physics.

This is a sample academic plan. Students should meet with an academic advisor prior to registration to formulate their own plan.

Year 1	Year 2	Year 3	Year 4
<b>Fall</b>	<b>Fall</b>	<b>Fall</b>	<b>Fall</b>
PHSX 215N/216N - Fund of Physics w/calc I /Lab 5 M 171 Calculus I 4 PHSX 101 - Freshman Physics Experience 1 CSCI 135 - Fund of Computer Science I 3 HUSC 194 - H&S Freshman Seminar 1 Elective 2	PHSX 311 - Oscillation & Wave 3 M 273 - Multivariable Calculus 4 M 225 - Introduction to Discrete Mathematics 3 General Education Requirement 3 Elective 3	CSCI 232 - Data Structures & Algorithms 4 PHSX 343 - Modern Physics 3 Elective 5 General Ed Requirement 3	PHSX 423 - Electricity & Magnetism I 3 PHSX 499 - Senior Capstone 1 CSCI 323 - Data Structures & Algorithms 3 Physics Major Elective 3 Elective 5
Credits 16	Credits 16	Credits 15	Credit 15
<b>Spring</b>	<b>Spring</b>	<b>Spring</b>	<b>Spring</b>
PHSX 217N/218N - Fund of Physics w/calc II /Lab 5 M 172 - Calculus II 4 CSCI 136 - Fund of Computer Science II 3 WRIT 101 - College Writing 3	PHSX 301 - Intro Theoretical Physics 3 M 221 - Introduction to Linear Algebra 4 CSCI 361 - Computer Architecture 3 General Education Requirement 6	PHSX 320 - Classical Mechanics 3 PHSX 330 - Communicating Physics 3 CSCI 332 - Design/Analysis of Algorithms 3 Elective 6	PHSX 333 - Computational Physics 3 CSCI 340 - Database Design 3 Physics Major Elective 3 General Education Requirements 6
Credits 15	Credits 16	Credits 15	Credits 15
<b>Summer</b>	<b>Summer</b>	<b>Summer</b>	<b>Summer</b>
Credits 0	Credits 0	Credits 0	Credits 0
<b>Total Credits 31</b>	<b>Total Credits 63</b>	<b>Total Credits 93</b>	<b>Total Credits 123</b>

**Notes:**

See catalog or Advising Office for more details.