

Department of Physics and Astronomy  
University of Montana

**BA in Physics: Computational Physics Option**  
Degree Checklist

General Education Requirements:	Credits
English Writing Skills: <input type="checkbox"/> WRIT 101 (or placement out of WRIT 101)	0-3
<input type="checkbox"/> Intermediate Writing course	1-3
<input type="checkbox"/> Advanced Writing: PHSX 330 (or similar for double majors)	3
Symbolic Systems: <input type="checkbox"/> Fulfilled by Math Requirements below	0
Groups (at least 3 credits in each of these 8 groups)	21-27
<input type="checkbox"/> Expressive Arts (A) <input type="checkbox"/> Social Sciences (S)	
<input type="checkbox"/> Literary and Astristic Studies (L) <input type="checkbox"/> Ethics and Human Values (E)	
<input type="checkbox"/> Historical and Cultural Studies (H) <input type="checkbox"/> Natural Sciences (N) (6 credits for this group)	
<input type="checkbox"/> Democracy and Citizenship (Y) [may "double-dip" with other Gen Ed]	
<input type="checkbox"/> Cultural & International Diversity (X) [may "double-dip" with other Gen Ed]	
Physics Requirements:	
Lower Div. Physics: <input type="checkbox"/> PHSX 215 <input type="checkbox"/> PHSX 216 <input type="checkbox"/> PHSX 217 <input type="checkbox"/> PHSX 218	10
Upper Div. Physics: <input type="checkbox"/> PHSX 301 <input type="checkbox"/> PHSX 311 <input type="checkbox"/> PHSX 320 <input type="checkbox"/> PHSX 333	
<input type="checkbox"/> PHSX 343 <input type="checkbox"/> PHSX 423 <input type="checkbox"/> PHSX 499	18
Additional 3 credits in Physics (for a total of 30 credits in Physics)	
<input type="checkbox"/> Physics Elective	3
<i>* PHSX 323, 425 and 461 are strongly recommended</i>	
Math Requirements:	
Lower Division Math: <input type="checkbox"/> M 171 <input type="checkbox"/> M 172 <input type="checkbox"/> M 273 <i>(Calc 1, 2, 3)</i>	12
<input type="checkbox"/> M 221 <input type="checkbox"/> M 225	7
Computer Science Requirements:	
Lower Division CSCI: <input type="checkbox"/> CSCI 135 <input type="checkbox"/> CSCI 136 <input type="checkbox"/> CSCI 232	10
Upper Division CSCI: <input type="checkbox"/> CSCI 332	3
Additional 7 credits in CSCI numbered 200+ (for a total of 20 credits in CSCI)*	
<input type="checkbox"/> CSCI Elective <input type="checkbox"/> CSCI Elective <input type="checkbox"/> CSCI Elective (if needed)	7
<i>* CSCI 250 strongly recommended</i>	
Total Required Credits:	
	95 - 106
Additional Checks:	
<input type="checkbox"/> At least 120 total credits	
<input type="checkbox"/> At least 39 upper-division credits	