

# PHYSICS, MINOR

This minor may only be completed by students admitted to Elementary Education options that include certification in K-9 or Middle Childhood through Early Adolescence. The Department of Physics is housed in the College of Letters & Science. Students may wish to consult with an undergraduate advisor in the physics department to discuss course selection and other issues related to this field of study.

## Physics Undergraduate Advisors

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## HOW TO GET IN

This minor may be completed only by students admitted to the Middle Childhood through Early Adolescence options of Elementary Education. Students admitted to the Content Focus option (<http://guide.wisc.edu/undergraduate/education/curriculum-instruction/elementary-education-bse/elementary-education-middle-childhood-through-early-adolescence-content-focused-minor-bse/>) are asked to identify the minor of their choice when admitted to the program. Students admitted to the other Middle Childhood through Early Adolescence options should fill out a minor declaration form available in the School of Education Student Services office, Room 139 Education Building.

## REQUIREMENTS

Complete a minimum of 22 credits. A minimum cumulative grade point average of 2.75 is required, based on all Physics minor coursework taken on the UW–Madison campus.

## INTRODUCTORY REQUIREMENTS

Code	Title	Credits
<b>Select one of the following First Introductory Courses:</b>		<b>5-6</b>
PHYSICS 201	General Physics	
PHYSICS 207	General Physics	
PHYSICS 247	A Modern Introduction to Physics <sup>1</sup>	
E M A 201 & E M A 202	Statics and Dynamics	

E M A 201 & M E 240	Statics and Dynamics	
<b>Select one of the following Second Introductory Courses:</b>		<b>5</b>
PHYSICS 202	General Physics	
PHYSICS 208	General Physics	
PHYSICS 248	A Modern Introduction to Physics	
<b>Select one of the following Third Introductory Courses:</b>		<b>3-4</b>
PHYSICS 249	A Modern Introduction to Physics	
PHYSICS 205	Modern Physics for Engineers	
PHYSICS/ E C E 235	Introduction to Solid State Electronics	
PHYSICS 241	Introduction to Modern Physics	

<sup>1</sup> Any combination of courses can be used to satisfy the three introductory course requirements, but students may not transfer into the PHYSICS 247, PHYSICS 248, PHYSICS 249 sequence from another introductory sequence.

## ADDITIONAL COURSE REQUIREMENTS

Code	Title	Credits
PHYSICS 307	Intermediate Laboratory-Mechanics and Modern Physics	2
PHYSICS 311	Mechanics	3
PHYSICS 321	Electric Circuits and Electronics	4
Select physics electives, if necessary, to total 22 credits		