

# PHYSICS

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Department of Chemistry and Physics (<https://cas.umw.edu/physics/>)

The minor in physics will meet the interest of students who wish to further their knowledge in a discipline beyond their major field of study. It will increase their options for employment and graduate study. It will bridge the overlap between physics knowledge and that of other disciplines.

## Minor Requirements

Code	Title	Credits
PHYS 105	University Physics, w/Lab	4
PHYS 106	University Physics w/Lab	4
PHYS 211	Modern Physics	3
PHYS 290	Methods of Mathematical Physics	3
Select two of the following:		6 - 8
PHYS 220	Materials, Fluids, & Thermodynamics	
PHYS 283	Electronics w/Lab	
PHYS 300	Optics w/Lab	
PHYS 310	Nuclear & Particle Physics	
PHYS 319	Astrophysics	
PHYS 384	Advanced Physics Laboratory	
PHYS 471	Selected Topics in Physics	
Select one of the following:		4
PHYS 320	Classical Mechanics w/Lab	
PHYS 360	Statistical Mechanics w/Lab	
PHYS 400	Electromagnetism w/Lab	
PHYS 410	Quantum Mechanics w/Lab	
<b>Total Credits</b>		<b>24-26</b>

## Chemistry and Physics Department

K. Nicole Crowder, Chair

Janet A. Asper, Career Advisor

Matthew C. Fleenor, Program Coordinator (Physics)

### Faculty

(The person's subject field is indicated in parentheses.)

#### Professors

Janet A. Asper (Chemistry)

K. Nicole Crowder (Chemistry)

Matthew C. Fleenor (Physics)

Kelli M. Slunt (Chemistry)

#### Associate Professors

Leanna C. Giancarlo (Chemistry)

E. Davis Oldham (Chemistry)

Randall D. Reif (Chemistry)

#### Assistant Professor

Desmond R. Villabla (Physics)

Sarah E. Smith (Chemistry)

Varun Suresh Makhija (Physics)