

# Physics and Engineering Dual Degree

Want a degree in both physics and engineering? Want to do it all in five years? UW-Eau Claire has a dual degree program that allows students to receive a physics degree in conjunction with an engineering school degree. You'll start by taking a number of courses in physics, chemistry and computer science, as well as math, English and general education. After successfully completing the course requirements and meeting the criteria, you can choose to transfer to either UW-Madison's College of Engineering, the College of Science and Engineering in the Twin Cities, or UW-Milwaukee's College of Engineering and Applied Science to begin the course work for an engineering degree.

## Major

- **Physics and Engineering Dual Degree**

## Where you'll find our grads

- Graduate School, Aerospace Engineering and Mechanics, University of Minnesota-Twin Cities, Minneapolis,
- MQuality Engineer and World Wide Stop Ship Coordinator, IBM in Rochester, MN
- Industrial Engineer, Bechtel National, Frederick, MN
- Owner, Electronics Design/Consulting Firm, San Francisco, CA
- National Research Council Research Associate, NASA Johnson Space Center, Houston, TX
- Test Engineer at Medtronic, Minneapolis, MN
- Graduate School, Aerospace Engineering, Stanford University

## Prepared for Success

UW-Eau Claire graduates more physics majors than most other four-year colleges in the country, according to a recent American Institute of Physics study. One of those graduates, Jonathan Watson, was a scientist at MIT Lincoln Laboratory, a federally funded research and development center. He works in the Air and Missile Defense Technology division. Watson said he was well-prepared for his graduate studies at MIT and his career. "The Physics program provided a breadth to my undergraduate studies that I would have missed in more specialized engineering programs. The program provided a level of flexibility in working on technical problems that I wouldn't have otherwise." Employers are particularly taken with the Dual Physics/Engineering graduates. Your enhanced breadth and depth of dual majors will set you apart from graduates with just an engineering degree. Math and physics are essential skills for anyone pursuing a career in

engineering. The Physics degree curriculum at UW-Eau Claire provides a stronger foundation in math and physics than those courses required for an engineering degree alone, and most UW-Eau Claire graduates earn a minor in math, further enhancing their employability.

## Why UW-Eau Claire

### Hands-On Experience

UW-Eau Claire graduates more physics majors than most other four-year colleges in the country, according to a recent American Institute of Physics study. One of those graduates, Jonathan Watson, was a scientist at MIT Lincoln Laboratory, a federally funded research and development center. He works in the Air and Missile Defense Technology division. Watson said he was well-prepared for his graduate studies at MIT and his career. "The Physics program provided a breadth to my undergraduate studies that I would have missed in more specialized engineering programs. The program provided a level of flexibility in working on technical problems that I wouldn't have otherwise."

### Faculty Experts

At UW-Eau Claire you'll find small classes taught by talented professors who know your name. You'll work alongside faculty outside class, conducting research projects and sharing ideas!

## Contact Info:

Physics + Astronomy  
Phillips Science Hall 230  
101 Roosevelt Avenue  
715-836-3148 | physics@uwec.edu

The Power of  AND

University of Wisconsin  
**Eau Claire**

# Physics and Engineering Dual Degree (continued)

## First-Year Suggested Curriculum

- University Physics Calculus I and II  
University writing requirement —  
depending on placement exam.
- General Chemistry I and II Note:  
Students planning to transfer to  
UWMadison should consult with a  
dual degree adviser before signing  
up for a computer science course.

## Program Options

Because the courses for the first two years of the dual degree program are the same as those for the Pre-Engineering program, students can wait until their junior year to make the decision to either pursue a dual degree in physics and engineering or transfer to an engineering school.