

Master of Science in Education

Emphasis in Physics/Physical Science



A Collaboration of the Department of Curriculum & Instruction and Department of Physics/Astronomy

Join us
Summer 2011!

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Visit us at:

[www.phys.uwosh.edu/
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The perfect degree for the physics or physical science teacher!

The University of Wisconsin Oshkosh is proud to offer the Master of Science in Education (MSE) degree with an emphasis in physics or physical science. This program is designed to strengthen your content knowledge, sharpen your teaching skills, and train you in the latest classroom technology. The degree can be completed in as little as two years.

Who are we?

This specialized program is a unique collaboration of the UW Oshkosh Department of Curriculum and Instruction and the Department of Physics/Astronomy. Our faculty consists of recognized leaders in the field of science education, including: **Dr. Eric Brunsell** (NSTA District 12 Director) and **Dr. Mark Lattery** (Wisconsin Association of Physics Teachers Past-President and Director of the Modeling Physics Science program). We are published scholars in the field of science education and award-winning teachers.

Summer courses and blended/online courses

The MSE program is designed for busy teaching professionals. Courses are offered during the school year and during the summer. Most courses are taught online, or in a blended online/in-class format. The MSE program has been carefully designed to meet state and national content and professional development standards.

As a MSE student, you will complete 15 credits in education and 15 credits in the discipline (30 credits total.) You may transfer up to 9 graduate level credits from another accredited institution with approval of the Graduate Program Coordinator. One tuition rate is charged, in state and out-of-state.

**MSE Physics/Physical Science Emphasis
Course Table**

Course #	Course Title	Fall	Spr	Sum	Cr.	Comment
<i>Education Core Courses (15 credits)</i>						
Sec Edu 705	Curriculum Planning & Differentiation			●	3	
Sec Edu 747	Conceptual Change in Science Ed.	●			3	biennial
Ed Found 770	Educational Research	○	●	○	3	
Sec Edu 791A	Action Research I	●	● ◐		3	prereq: EdF 770
Sec Edu 791B	Action Research II		●	● ◐	3	
<i>Physics/Physical Science Courses (15 credits)</i>						
Phys Sci 501	Waves and Fields for Teachers (M)			◐	5	
Phys Sci 505	Optics for Teachers (M)			◐	5	prereq: PS 501
Phys Sci 510	Classical Mechanics for Teachers (M)			◐	5	prereq: PS 501

- = traditional course (no online component)
- = fully online course
- ◐ = blended course (mixture of online and on-campus sessions)
- | ◐ = student may elect course format (fully online or blended)
- M = modeling method course