Master of Science in Education
Curriculum & Instruction

Brand NEW!

MSE C&I
CURRICULUM and INSTRUCTION

UW OSHKOSH / SPACE EDUCATION INITIATIVES, DE PERE COLLABORATIVE DEGREE PROGRAM

(Emphases in Physics or Earth and Space Science)

BEGINS FALL 2007!

For information, contact:

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OR

Visit us at:

www.phys.uwosh.edu/lattery/mse/mse.htm

The perfect degree for the professional science teacher!

The University of Wisconsin Oshkosh is proud to announce a new MSE in Secondary Science Education program for practicing science teachers. This degree will:

- strengthen your understanding of subject-matter content
- sharpen your teaching skills
- train you in the latest classroom technology

You can specialize in the teaching of physics, or in earth and space science. The MSE degree can be completed in as little as two years.

Who are we?

The MSE program is a unique collaboration of the UW Oshkosh College of Letters & Science, College of Education & Human Services, and the Green-Bay based *Space Education Initiatives*. Our faculty consists of recognized leaders in the field of science education, including: **Dr. Eric Brunsell** (Co-PI of Integrating Climate Change Across the Science Curriculum), **Dr. Mark Lattery** (WAPT President, 2005-2006, and Director of the Modeling Physics Science program, 2002-2005), **Dr. John Lemberger** (Co-PI of the Children's Literature & Science Project), and **Mr. Jason Marcks** (Director of the Space Education Initiatives.) MSE faculty are published scholars in the field of science education and are award-winning teachers.

Summer and online courses

The MSE program is specifically designed for the busy working professional. 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 a content area (30 credits total.) You may transfer up to 9 graduate level credits from another accredited institution with approval of the Graduate Program Coordinator. You may also receive credit for previous UW Oshkosh courses (like Modeling Physical Science or courses completed through *Space Education Initiatives*.) One tuition rate is charged, in state or out-of-state.

space EDUCATION initiatives

THE UNIVERSITY OF WISCONSIN OSHKOSH

Revised September 10, 2008

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Tentative Course Offerings

(Continued from reverse side)

Course #	Course Title	Fall	Spr	Sum	Credits
Required Core Courses (15 credits)					
Sec Edu 715	Trends in C&I (PI 34)			●	2
Sec Edu 716	Issues in PK-12 Education*		●	●	3
Sec Edu 747	Conceptual Change in Science Education			●	3
Ed Found 770	Educational Research	O	●	O	3
Sec Edu 791A	Action Research I *(Prereq: Ed Found 770)*	●			2
Sec Edu 791B	Action Research II		●		2
Earth and Space Science Track (15 credits)					
Sec Edu 744	Meteorology for Teachers		●		3
Sec Edu 746	Earth Science for Teachers	●			3
Sec Edu 748	Teaching Physical Science Through Space			●	3
Sec Edu 749	Astronomy for Teachers		●		3
Sec Edu 752	Exploring the Solar system	●			3
Geology 555	Geology of Wisc. Field Course *(elective)*			O	3
Geology 560	Geology Field Trip *(elective)*		O		1-3
Physics Track (15 credits)					
Phys Sci 501	Waves and Fields for Teachers (**M**)			◖	5
Phys Sci 505	Optics for Teachers (**M**)			◖	5
Phys Sci 510	Classical Mechanics for Teachers (**M**)			◖	5

* To be offered Spring 2008 (tentatively) and Summer 2008. Please contact the Graduate Program Coordinator for current information.
** To be offered as an online course or blended course. Please contact the Graduate Program Coordinator for current information.

O = traditional course (no online component)
● = fully online course
◖ = blended course (mixture of online and on-campus sessions)
M = modeling method course

Recommended schedule for teachers entering the program in Spring 2008

Track offerings in bold. For shorter/longer schedules, please contact us.

Physics Track

Yr	Fall	Spring	Summer
07-08		SE 716	SE 747 **PS 501**
08-09		EDF 770	SE 715 **PS 505**
09-10	SE 791A	SE 791B	 **PS 510**

Earth and Space Science Track

Yr	Fall	Spring	Summer
07-08		SE 716 **SE 749**	SE 747 **SE 748**
08-09	**SE 746** **SE 752**	EDF 770 **SE 744** **(GEO 560)**	SE 715 **SE 744** **(GEO 555)**
09-10	SE 791A	SE 791B	

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