

**Lebanon Valley College**  
**MASTER OF SCIENCE EDUCATION (MSE)**  
**Summer 2010 – COURSE OFFERINGS**

The MSE courses are designed for teachers wanting to enhance their understanding of science principles, as well as their ability to teach these concepts. The program focuses on "hands-on" experiential learning of science and is designed to benefit even those teachers with minimal experience in science the methodology necessary to teach science to their students.

**Courses are open to *any* elementary, middle or high school teacher interested in Science!**  
**Credits may be applied towards Masters Degrees, Masters Plus and Act 48 credits.**

<u>Course</u>	<u>Course Title Credits</u>	<u>Day / Time</u>	<u>Date</u>	<u>Instructor</u>	<u>Location</u>
<u>MSE 801</u>	<b>Principles of Biology and Life Science</b> (3 Credits)	Tuesday and Thursday 5:30PM – 8:30PM	<b>June 22</b> to <b>July 29</b>	D. Feilmeier	N-G 130
<u>MSE 803</u>	<b>Principles of Physics and Physical Science</b> (3 Credits)	Tuesday to Saturday 8:00AM – 4:00PM	<b>July 6</b> to <b>July 10</b>	E. Wilson	N-G 227
<u>MSE 805</u>	<b>Principles of Earth Science</b> (3 Credits)	Monday through Thursday 8:00Am – 4:00PM	<b>June 21-24</b> and <b>June 28 – July 1</b>	S. Houseknecht And M. Himmelfarb	N-G 227 and field locations
<u>MSE 829</u>	<b>Research Methods</b> (3 credits) <b>Prerequisite to MSE 830</b> <b>***LIMIT 16 STUDENTS***</b>	Monday and Thursday 10:00am – 2:00pm No classes June 21,24 <b>**6/14 &amp; 6/17 class will begin at 5PM**</b>	<b>June 14</b> to <b>July 26</b>	L. Manza	LYNCH 189
<u>MSE 830</u>	<b>Research in Science Education</b> (1-3 credits)	By Appointment	<b>Register by June</b>	Staff	MSE Office
<u>MSE 820.21</u>	<b>Connecting Students to P.L.A.C.E.</b> <i>People, Land and Community Education</i> <i>Environmental Science, Social Studies</i> <i>and Service Learning</i> <b>2012 National Envirothon Prep and Serve America</b> (3 Credits)	Sunday 4PM- 7PM  Wednesday - Friday 8:30AM – 4:00PM <b>ALSQ</b> <b>2 Independent study days</b>	<b>June 13</b> And <b>June 16 - June 18</b> also <b>2 Independent study days</b>	E. Ruppert	N-G 312 and field locations
<u>MSE 820.22</u>	<b>Discovering the Mysteries of Horseshoe Crabs</b> <i>Environmental Issues and Research Strategies</i> (1 Credit) No charge for overnight stay – minimal fee	2 – Wednesday's Sunday – Monday overnight	<b>May 19</b> <b>5:30PM - 8:30PM</b> <b>May 26</b> <b>5:30PM – 8:30PM</b> <b>May 30 – 31</b> <b>Overnight</b> <b>Smyrna, Delaware</b>	E. Ruppert	N-G 312 And Delaware Estuary
<u>MSE 820.23</u>	<b>POGIL</b> <b>Process Oriented Guided Inquiry Learning</b> <b>***LIMIT 16 STUDENTS***</b> (3 credits)	Monday through Friday 8:00am – 4:00pm	<b>July 26</b> to <b>July 30</b>	E. Mancini F&M	BI-LAB Library
<u>MSE 820.25</u>	<b>Emerging Internet Technology in Science Classrooms</b> (3 credits)	Monday through Thursday 8:30am – 12:30pm	<b>July 12 – July 15</b> <b>July 19 – July 22</b>	J. Remington	BI-LAB Library
<u>MSE820.27</u>	<b>Water</b> <b>Our Chemical and Biological Environment</b> <b>*** LIMIT 12 STUDENTS***</b> (3 credits)	Monday through Friday 8:00am – 5:00pm	<b>June 21</b> to <b>June 25</b> <b>Final project due</b> <b>July 2</b>	S. Kensinger and Middle Creek Wildlife Management Area	Middle Creek
<u>MSE 820.28</u>	<b>Applying Wildlife and Natural Resources</b> <b>to the classroom</b> <b>***LIMIT 12 STUDENTS***</b> (3 credits)	8:00am – 4:00pm	<b>June 16,17,18</b> and <b>August 10,11,12</b>	S. Kensinger and Middle Creek Wildlife Management Area	Middle Creek

For more information, call the MSE office at 717-867-6482 or 1-800-555-8802

Visit our website at <http://www.lvc.edu/mse>

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