

**CALIFORNIA UNIVERSITY  
OF PENNSYLVANIA**

**Program: Master of Education: Educational Studies: Weather and Climatology**

**Start: Fall (August) Start**

**Total Credits: 30**

**Year 1**

Fall	Credits
* EAS 511 DataStreme Atmospheric Studies	
<b>OR</b> EAS 512 DataStreme Ocean Studies	
<b>OR</b> EAS 513 DataStreme Climate Studies	3
EAS 710 Water in Earth Systems	3
EAS 730 Environmental Hazards in Changing Climate	3
MSE 740 Advanced Instructional Technology	3
** MSE 771 Strategies for Inclusive Classrooms Grades 7-12 (for PA teachers)	3
<b>Winter</b>	
** MSE 720 Advanced Standards-aligned Instruction 7-12 (for PA teachers)	3
MSE 755 Constructivist Instructional Strategies	3
<b>Spring</b>	
* EAS 511 DataStreme Atmospheric Studies	
<b>OR</b> EAS 512 DataStreme Ocean Studies	
<b>OR</b> EAS 513 DataStreme Climate Studies	3
EAS 720 Sustainability in Changing Climate	3
* MSE 761 Assessment	3
ADP 673 Field Project: Research & Evaluation	3
<b>Summer</b>	
MSE 750 Online Technologies in Education	3
ADP 664 Field Project: Leadership	3
<b>Total Credits (Year 1)</b>	<b>24</b>

**Year 2**

Fall	
** MSE 766 Instructional Design	3
** MSE 745 Managing Learning Environments	3
	<b>6</b>
<b>Total Credits</b>	<b>30</b>

**PROGRAM NOTES:**

\*EAS 511, EAS 512, and EAS 513 may not be taken together in the same semester.

Choose 9 credits (3 courses) with MSE prefix

Choose 15 credits (5 courses) with EAS prefix

**\*\*Optional Educational Studies Courses: (Can Fulfill Cognate)**

MSE 720 Advanced Standards-aligned Instruction 7-12 (for PA teachers) (3 credits)

MSE 745 Managing Learning Environments (3 credits)

MSE 766 Instructional Design (3 credits)

MSE 771 Strategies for Inclusive Classrooms Grades 7-12 (for PA teachers) (3 credits)