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

**Start:** Fall (August) Start  
**Total Credits:** 30

### Year 1

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

**Total Credits (Year 1):** 24

### Year 2

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<th>Credits</th>
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| **Fall** | ** MSE 766 Instructional Design  
** MSE 745 Managing Learning Environments | 3       |

**Total Credits:** 30

**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)