# ATMOSPHERIC AND OCEANIC SCIENCE TECHNOLOGY, MASTER OF PROFESSIONAL STUDIES (M.P.S.)

Non-thesis only: 30 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Core Requirements</strong></td>
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<tr>
<td>Select two out the following three certificate programs:</td>
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**Computational Methods in Atmospheric and Oceanic Science:**

- AOSC630 Statistical Methods in Meteorology and Oceanography
- AOSC652 Analysis Methods in Atmospheric and Oceanic Science

Select two additional courses approved by advisor

**General Atmospheric and Oceanic Science:**

- AOSC431 Atmospheric Thermodynamics
- AOSC610 Dynamics of the Atmosphere and Ocean I
- AOSC432 Dynamics of the Atmosphere and Ocean
- AOSC611 Dynamics of the Atmosphere and Oceans II
- AOSC617 Atmospheric and Oceanic Climate
- AOSC670 Physical Oceanography

**Air Quality Science and Technology:**

- AOSC600 Synoptic Meteorology I
- AOSC624 Remote Sensing of Surface Climate
- AOSC637 Atmospheric Chemistry
- AOSC633 Atmospheric Chemistry and Climate

Select two courses from the remaining certificate program 6

Total Credits 30

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Master of Professional Studies (MPAO) The Master of Professional Studies in Atmospheric and Oceanic Science is designed for meteorologists, oceanographers and environmental scientists who need cutting-edge skills and knowledge in atmospheric and oceanic science, in the computational methods used in our field, and in air quality science. The Director of Professional Studies will advise students in planning his or her course of study, and will provide career advice. The degree is earned by successful completion of ten 3-credit courses. Students must complete two out of the following three Certificate programs, each of which consists of four courses, plus two courses from the remaining Certificate Program. The MPAO program is designed with the needs of working professionals in mind, and can be completed on a part-time basis over no more than 5 years, or on a full-time basis in 1 year and one semester.