

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

Non-thesis only: 30 credits

| Course | Title | Credits |
|---|---|-----------|
| Core Requirements | | |
| Select two out the following three certificate programs: | | 24 |
| 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 | |
| | or AOSC610 Dynamics of the Atmosphere and Ocean I | |
| AOSC432 | Dynamics of the Atmosphere and Ocean | |
| | or 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 | | |
| AOSC633 | Atmospheric Chemistry and Climate | |
| Select two courses from the remaining certificate program | | 6 |
| Total Credits | | 30 |

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 and 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.