

# M.P.S. IN WEATHER FORECASTING

## Weather Forecasting (WFC) (<http://mps.rsmas.miami.edu/degree-program/weather-forecasting>)

The MPS in Weather Forecasting is designed for students who have an undergraduate degree in meteorology and seek graduate level training and experience in applied weather forecasting.

ATM 611	Geophysical Fluid Dynamics I	3
ATM 633	Atmospheric Boundary Layer	3
OCE 602	Oceanography II (Physical)	2
RSM 645	Scientific Communication	3
ATM 660	Tropospheric Chemistry I	3

Course	Title	Credit Hours
<b>Year One</b>		
<b>Fall</b>		
ATM 651	Introduction to Atmospheric Science	3
ATM 662	Advanced Weather Forecasting	3
ATM 732	Climate Dynamics (or ELECTIVE)	3
MES 660 & MES 661	Introduction to Marine Geographic Information Systems and Introduction to Marine Geographic Information Systems - Laboratory (Can be taken in the Fall or Spring) or ELECTIVE	3
	Credit Hours	12
<b>Spring</b>		
ATM 765	General Circulation of the Atmosphere (or ELECTIVE)	3
ATM 661	Tropical Atmosphere and Ocean (or ELECTIVE)	3
RSM 645	Scientific Communication (or ELECTIVE)	3
RSM 620	Climate and Society (or ELECTIVE)	3
	Credit Hours	12
<b>Summer</b>		
ATM 805	MPS Internship	6
	Credit Hours	6
	Total Credit Hours	30

## Elective Options

Students may take any elective on the RSMAS campus with the consent of their faculty advisor. Below are a few examples of courses past students in this program used as electives.

Code	Title	Credit Hours
ATM 731	Air-Sea Interaction	3
ATM 532	Broadcast Meteorology	3
RSM 670	Carbon and Climate	3
ATM 732	Climate Dynamics	3
ATM 762	Computer Models in Fluid Dynamics	3
ATM 663	Mesoscale Meteorology and Severe Storms	3