M.P.S. IN APPLIED REMOTE SENSING

Applied Remote Sensing (ARS)

The MPS in “Applied Remote Sensing” (http://mps.rsmas.miami.edu/degree-program/applied-remote-sensing) offered by the University of Miami’s Rosenstiel School of Marine and Atmospheric Science (RSMAS) and Center for Southeastern Tropical Advanced Remote Sensing (CSTARS) is tailored to the needs of students who seek to gain theoretical knowledge and practical, real-world experiences geared towards a successful career in the field of remote sensing in both public and private sectors. This program is also appropriate for those already in the workforce who require additional training or are looking to expand upon their knowledge and skills.

### Course Title Credit Hours

#### Year One

**Fall**

- OCE 642  Physics of Remote Sensing I - Passive Systems  3
- OCE 686  Applied Remote Sensing  3
- RSM 612  Statistics for Environmental Management (Or Elective)  3
- MGS 686  Special Topics (Natural Hazards: Solid Earth & Oceans (Or Elective))  3

**Credit Hours**  12

**Spring**

- OCE 643  Physics of Remote Sensing II - Active Systems  3
- OCE 624  Applied Data Analysis (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 Fall or Spring) Or Elective  3
- OCE 687  Applied Radar Remote Sensing  3

**Credit Hours**  12

**Summer**

- OCE 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ATM 731</td>
<td>Air-Sea Interaction</td>
<td>3</td>
</tr>
<tr>
<td>OCE 705</td>
<td>Chemical Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>MES 720</td>
<td>Coastal Law and Policy</td>
<td>3</td>
</tr>
<tr>
<td>MES 602</td>
<td>Economics of Natural Resources</td>
<td>3</td>
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