OEAN ENGINEERING

Enrollment Fall 2015

<table>
<thead>
<tr>
<th>Undergraduate Students</th>
<th>331</th>
<th>Graduate Students</th>
<th>73</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCEN (College Station)</td>
<td>111*</td>
<td>Ph. D</td>
<td>33</td>
</tr>
<tr>
<td>OCSE (Galveston)</td>
<td>220</td>
<td>M.S.</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M.Eng.</td>
<td>16</td>
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</tbody>
</table>

*Freshman not included

Quality Indicators

<table>
<thead>
<tr>
<th>Total Faculty</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors</td>
<td>4</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>2</td>
</tr>
<tr>
<td>Assistant Professors</td>
<td>3</td>
</tr>
<tr>
<td>Lecturers (Part-time)</td>
<td>4</td>
</tr>
</tbody>
</table>

Research Professor (Part-time) | 1
Joint Appointment Professors   | 2
Endowed Professorship Holders | 3*
Visiting Assistant Professor  | 1
Affiliated Faculty            | 1

*Endowed positions are included under professors

Centers and Laboratories

College Station, TX
- Haynes Coastal Engineering Laboratory
- Ocean Engineering Wave Tank
- Marine Dynamics Laboratory

Galveston, TX
- Wave Laboratory
- Materials Laboratory
- Electrical/Electronics Laboratory
- Geotechnical Laboratory
- Naval Architecture Laboratory
- Fluid Mechanics Laboratory

Research Areas

- Dredging
- Dynamics of offshore structures subject to irregular waves and winds
- Tsunami modeling
- Analysis and design of deep water and coastal structures
- Bridge scour
- Coastal zone management
- Dredging technology
- Floating breakwaters
- Internal waves
- Multiphase flow and direct ocean carbon sequestration
- Offshore structures
- Sediment dynamics
- Tsunami propagation and run-up
- Underwater life support and diving technology
- Wave and current interaction
- Fluid Dynamics Laboratory

- Subsea systems
- Mooring and riser systems
- Coastal sediment processes
- Dredged material placement
- Beach nourishment
- Coastal engineering processes
- Computational ship and submarine hydrodynamics
- Environmental fluid mechanics
- Hydroelasticity
- Laboratory measurement and analysis techniques
- Non-linear wave/structure/wake interactions
- Remote sensing of ocean surface
- Shallow flows
- Turbulence modeling
- Unsteady three-dimensional Navier-Stokes equations
- Wave breaking
- Renewable ocean energy
- Center for Dredging Studies