The Department of Ocean Engineering at Texas A&M University educates students in a broad range of topics encompassing traditional and emerging areas of ocean engineering, conducts research, and serves the public. We prepare graduates for all phases of the work-force such as entering engineering practice, pursuing a graduate degree, life-long learning, and professional development.

### Enrollment

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate (OCEN)</td>
<td>109</td>
</tr>
<tr>
<td>Undergraduate (OCSE/L)</td>
<td>95</td>
</tr>
<tr>
<td>Master’s</td>
<td>36</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>36</td>
</tr>
</tbody>
</table>

### Faculty

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenure/ tenured track</td>
<td>9</td>
</tr>
<tr>
<td>Full faculty</td>
<td>7</td>
</tr>
<tr>
<td>Associate faculty</td>
<td>1</td>
</tr>
<tr>
<td>Assistant faculty</td>
<td>1</td>
</tr>
<tr>
<td>Senior lecturers</td>
<td>2</td>
</tr>
<tr>
<td>Professors of practice</td>
<td>1</td>
</tr>
<tr>
<td>Research faculty</td>
<td>3</td>
</tr>
<tr>
<td>Professional societies</td>
<td>9</td>
</tr>
<tr>
<td>National Academy of</td>
<td></td>
</tr>
<tr>
<td>Engineering members</td>
<td>1</td>
</tr>
</tbody>
</table>

---

### Laboratory Facilities

**College Station**
- Center for Dredging Studies
- Marine Dynamics Laboratory
- Ocean Engineering Wave Tank
- Offshore Technology Research Center

**Galveston**
- Fluid Mechanics Laboratory
- Geotechnical Laboratory
- Gulf Field Studies Laboratory
- Materials Laboratory
- Naval Architecture
- Wave Laboratory

@TAMUocean  
@tamuocean  
engineering.tamu.edu/ocean
Research Areas & Disciplines

• Advanced Computational Techniques
• Analysis and design of deep water and coastal structures
• Beach nourishment
• Bridge scour
• Coastal engineering processes
• Coastal sediment processes
• Computational ship and submarine hydrodynamics
• Dredged material placement
• Dredging
• Dynamics of offshore structures
• Environmental fluid mechanics
• Floating breakwaters
• Hydroelasticity
• Internal waves
• Laboratory measurement and analysis techniques
• Mooring and riser systems
• Multiphase flow and direct ocean carbon sequestration
• Naval Architecture
• Non-linear wave/structure/wake interactions
• Offshore structures
• Remote sensing of ocean surface
• Renewable ocean energy
• Sediment dynamics
• Shallow flows
• Subsea systems
• Tsunami modeling
• Tsunami propagation and run-up
• Turbulence modeling
• Underwater life support and diving technology
• Unsteady three-dimensional Navier-Stokes equations
• Wave and current interaction
• Wave breaking

Student Organizations

• Coasts, Oceans, Ports and Rivers Institute (CORPI) of ASCE
• Human Powered Submarine (HPS)
• Marine Technology Society (MTS)
• Omega Epsilon (OE)
• Shell Ocean Discovery XPRIZE
• Society of Naval Architects and Marine Engineers (SNAME)