DEPARTMENT OF CONSTRUCTION SCIENCE

The construction industry is the largest industry in the nation with more than 7.7 million employees who annually produce more than 5 percent of the nation's Gross Domestic Product. Managing the construction process requires a broad understanding of the principles of construction science as well as leadership skills in motivating teams and integrating a wide range of tasks to produce a completed project.

The primary mission of the Department of Construction Science is to prepare students for successful careers and future leadership roles in construction and construction-related industries. The program integrates principles of architecture, technology, engineering, business and project management preparing students to effectively manage the total construction process. Courses taught by the Department include construction materials and methods, fundamental design courses in soils and foundations, mechanical and electrical systems and structures, project control systems and management, construction law, labor and contracts, and industry emphasis courses. In addition, related courses from other colleges are included to ensure a broad base of knowledge in business, engineering and construction fundamentals.

Enrollment in Construction Science Upper Level Program

1. Students must have satisfactorily completed at least 54 hours of coursework with a minimum GPA of 2.5 for those courses completed at Texas A&M University.

2. Students must satisfactorily complete the following courses as part of the 54 hours of coursework with a minimum of a 2.5 GPA to be considered to upper level:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 153</td>
<td>Introduction to the Construction Industry</td>
<td>3</td>
</tr>
<tr>
<td>COSC 253</td>
<td>Construction Materials and Methods I</td>
<td>3</td>
</tr>
<tr>
<td>COSC 275</td>
<td>Estimating I</td>
<td>3</td>
</tr>
<tr>
<td>COSC 284</td>
<td>Introduction to Applied Workplace Ethics, Etiquette and Communications</td>
<td>1</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 210</td>
<td>Technical and Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>MATH 140</td>
<td>Mathematics for Business and Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>MATH 142</td>
<td>Business Calculus</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 201</td>
<td>College Physics</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 119</td>
<td>Fundamentals of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>or GEOL 10 &amp; GEOL 10: Principles of Geology Laboratory</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Total Semester Credit Hours 33

3. Students must apply for upper level through the department. The application is to be submitted the semester or summer session in which all of the above criteria are met.

- March 1 for Summer admission
- June 1 for Fall admission
- October 1 for Spring admission

Faculty

Anand, Binay, Visiting Lecturer
Construction Science
DEN, University of Houston, 2004

Andrews, William, Visiting Lecturer
Construction Science
JD, University of Houston Central Campus, 1978

Aryal, Ashrant, Assistant Professor
Construction Science
PHD, University of Southern California, 2020

Behzadan, Amir H, Professor
Construction Science
PHD, University of Michigan, 2008

Birdwell, Randall P, Associate Professor of the Practice
Construction Science
BEN, Texas A&M University, 1978

Boldt, Gary L, Senior Lecturer
Construction Science
BS, Texas A&M University, 1983

Burrescia, John, Lecturer
Construction Science
MS, Georgia Institute of Technology, 2009

Carlson, Kimberly A, Senior Lecturer
Construction Science
MAR, Texas A&M University, 2002

Choi, Kunhee, Professor
Construction Science
PHD, University of California at Berkeley, 2008

Cokinos, Gregory, Part-Time Lecturer
Construction Science
JD, South Texas College of Law, 1982

Cooke, Guy, Visiting Lecturer
Construction Science
BS, Texas A&M University, 1980

Coussons, Donna, Assistant Instructional Professor
Construction Science
MED, Sam Houston State University, 2016

Daigneault, Melissa S, Lecturer
Construction Science
JD, Wake Forest University School of Law, 2003
Ryoo, Boong Y, Associate Professor
Construction Science
PHD, University of Wisconsin, Madison, 1995

Simms, Lance Eric, Senior Lecturer
Construction Science
MS, Texas A&M University, 2000

Suermann, Patrick C, Associate Professor
Construction Science
PHD, University of Florida, 2009

Wang, Xi, Assistant Professor
Construction Science
PHD, University of Michigan - Ann Arbor, 2022

Whitman, John M, Lecturer
Construction Science
BS, Texas A&M University, 1989

Zhang, Zhenyu, Assistant Professor
Construction Science
PHD, University of Washington, 2021
MAR, Chongqing University, 2016

**Majors**

- Bachelor of Science in Construction Science (http://catalog.tamu.edu/undergraduate/architecture/construction-science/bs/)

**Minors**

- Facility Management Minor (http://catalog.tamu.edu/undergraduate/architecture/construction-science/facility-management-minor/)
- Leadership in the Design and Construction Professions Minor (http://catalog.tamu.edu/undergraduate/architecture/construction-science/leadership-design-construction-professions-minor/)