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 175/AREN 175</td>
<td>Construction Graphics/Communication</td>
<td>3</td>
</tr>
<tr>
<td>COSC 184</td>
<td>Construction Safety I</td>
<td>1</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></td>
<td>or COMM 208 or Public Speaking</td>
<td></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>
</tbody>
</table>

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

Ahn, Changbum R, Associate Professor
Construction Science
PHD, University of Illinois at Urbana-Champaign, 2012

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

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

Birdwell, Randall P, Senior Lecturer
Construction Science
BEN, Texas A&M University, 1978

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

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

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

Cokinos, Gregory, Visiting Lecturer
Construction Science
JD, South Texas College of Law, 1982

Daigneault, Melissa S, Visiting Lecturer
Construction Science
JD, Wake Forest University School of Law, 2003

Dixit, Manish K, Associate Professor
Construction Science
PHD, Texas A&M University, 2013

Dudley, Drew, Visiting Lecturer
Construction Science
MEN, Texas A&M University, 2012

Ellis, Debra R, Senior Lecturer
Construction Science
JD, Baylor University, 1993
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/)