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 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 or GEOL 10 or Principles of Geology and &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

- **Burrasca, John, Lecturer**
  Construction Science
  BS, 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
Delgado, Steven, Part-Time Lecturer
Construction Science
BS, Texas A&M University, 2009

Dietz, Carlen, Visiting Lecturer
Construction Science
MS, Texas A&M University, 2021

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

Dudley, Drew, Part-Time Lecturer
Construction Science
MEN, Texas A&M University, 2012

Ellis, Avery, Part-Time Lecturer
Construction Science
MS, Texas A&M University, 2019

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

Escamilla Jr, Edelmiro E, Instructional Associate Professor
Construction Science
PHD, Texas A&M University, 2011
MAR, Texas A&M University, 2002

Feigenbaum, Leslie H, Senior Lecturer
Construction Science
MS, Texas A&M University, 1985

Fickel, Larry W, Senior Lecturer
Construction Science
BS, Texas A&M University, 1981

Fleming, David, Visiting Associate Professor of the Practice
Construction Science
BS, Texas A&M University, 1975

Guerra Santos, Hernan, Senior Lecturer
Construction Science
MS, Texas A&M University, 2003

Ham, Youngjib, Associate Professor
Construction Science
PHD, University of Illinois at Urbana-Champaign, 2015
MAR, Seoul National University, Korea, 2011

Hanks, Michael, Visiting Lecturer
Construction Science
BS, Texas A&M University, 1979

Hartell, Julie Ann, Assistant Professor
Construction Science
PHD, McGill University, Montreal, Canada, 2014

Holliday, Ashton, Visiting Lecturer
Construction Science
MAR, Texas A&M University, 2016

Houston, Jonathan, Senior Lecturer
Construction Science
BEN, Texas A&M University, 2007

Jeong, Hyungseok David, Professor
Construction Science
PHD, Purdue University, 2005

Kang, Ho-Yeong, Associate Professor
Construction Science
PHD, Texas A&M University, 2001

Lavy, Sarel, Professor
Construction Science
PHD, Technion - Israel Institute of Technology, Israel, 2006

Lewis, Michael P, Associate Professor
Construction Science
PHD, North Carolina State University, 2009

Marraro, Anthony R, Senior Lecturer
Construction Science
MS, Texas A&M University, 1997

McCloskey, Aarika, Part-Time Lecturer
Construction Science
JD, Southern Methodist University, 2014

McGowan, Anne B, Instructional Professor
Construction Science
MS, Texas A&M University, 1976

Morgan, Alex, Assistant Instructional Professor
Construction Science
MBA, American Military University, 2017

Nnaji, Chukwuma, Assistant Professor
Construction Science
PHD, Oregon State University, 2018

Orieka, Okeoghene, Visiting Lecturer
Construction Science
MS, University of Illinois, 2016

Palmer, Richard C, Senior Lecturer
Construction Science
BS, Texas A&M University, 1988

Pouland, Kendall, Visiting Lecturer
Construction Science
BS, Texas A&M University, 2003

Rocchio, Leland, Visiting Lecturer
Construction Science
PHD, Our Lady of the Lake University of San Antonio, 2015

Rodgers, William S, Professor of the Practice
Construction Science
JD, Texas Tech University, 1978

Russell, Richard, Visiting Lecturer
Construction Science
MBA, Texas A&M University, 1997

Rybkowski, Zofia K, Associate Professor
Construction Science
PHD, University of California at Berkeley, 2009
MAR, Harvard University, 1991
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/](http://catalog.tamu.edu/undergraduate/architecture/construction-science/bs/))

**Minors**