DEPARTMENT OF
CONSTRUCTION SCIENCE

Overview

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 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 254</td>
<td>Construction Materials and Methods II</td>
<td>3</td>
</tr>
<tr>
<td>COSC 275</td>
<td>Estimating I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 104</td>
<td>Composition and Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 210</td>
<td>Technical and Business Writing</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 208r Public Speaking</td>
<td></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>
<tr>
<td>or GEOL 101 or Principles of Geology and &amp; GEOL 102 Principles of Geology Laboratory</td>
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</tbody>
</table>

Total Semester Credit Hours 32

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

Majors

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

Minors

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

Faculty

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

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

Benham, James M, Visiting Lecturer
Construction Science
MS, Texas A&M University, 2014

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

Bryant, John A, Associate Professor
Construction Science
PHD, Texas A&M University, 1995

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

Cronin, Hugh, Visiting Lecturer
Construction Science
MBA, Texas Tech University, 2010

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

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

Fernandez-Solis, Jose L, Instructional Associate Professor
Construction Science
PHD, Georgia Institute of Technology, 2006

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

Grisham, Ray F, Lecturer
Construction Science
JD, University of Texas at Austin, 1972

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

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

Haque, Mohammed E, Professor
Construction Science
PHD, New Jersey's Science & Technology University, 1995

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

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

Jordan, Michael P, Instructional Assistant Professor
Construction Science
MS, University of Houston, 2017

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

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

Nichols, John M, Associate Professor
Construction Science
PHD, University of Newcastle, Australia, 2002

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

Rodgers, William S, Clinical Professor
Construction Science
JD, Texas Tech University, 1978

Rybkowski, Zofia K, Associate Professor
Construction Science
PHD, University of California - 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

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

Williamson, Kenneth C, Associate Professor
Construction Science
PHD, University of Oklahoma, 1994

Workman, Ronald L, Senior Lecturer
Construction Science
MS, Texas A&M University, 2002