









University of Houston-Downtown  
**College of Sciences & Technology**  
**MAJOR MAPS**



Bachelor of Science Degree in  
**Structural Analysis and Design Engineering Technology**

**FRESHMAN      SOPHOMORE      JUNIOR      SENIOR**

<p><b>TAKE THE RIGHT CLASSES</b>          (SUCCESS MARKERS)</p> 	<p>Begin with your Core Curriculum Courses. Enroll in ENGR 1329/1129 in your first semester and ENGR 1333 in your second semester.</p>	<p>Continue taking Core Curriculum Courses. Enroll in 2000-and 3000-level ENGR courses.</p>	<p>Ensure you are taking a good mix of SAD required and elective courses.</p>	<p>Time for Senior Project and completing any required or elective courses. Don't forget to register for graduation!</p>
<p><b>TALK TO YOUR ADVISOR</b></p> 	<p>Meet with your Freshman/Sophomore advisor in the CST before registration.</p>	<p>Meet with your Freshman/Sophomore advisor. Ask your advisor about the benefits of Study Abroad courses.</p>	<p>Meet with your departmental advisor once you reach 45 credit hours. Check for upcoming CSET events.</p>	<p>Meet with your departmental advisor and review your graduation audit once you reach 90 credit hours.</p>
<p><b>YOUR MAJOR IN ACTION</b></p> 	<p>Get to know your faculty. Take part in professional development opportunities in the College.</p>	<p>Find a peer and/or faculty mentor. Continue to engage by attending CSET events on campus.</p>	<p>Seek out courses and opportunities that fit your career aspirations. Talk to faculty and advisors about how to engage in this career field.</p>	<p>Continue to take courses and engage in professional development to build the skill set needed for your future career.</p>
<p><b>GET INVOLVED</b></p> 	<p>You can join the ASCE and ACI UHD Student Chapters as a freshman.</p>	<p>If you haven't joined yet, get involved in a student organization. Begin building your resume. Look for work-study opportunities.</p>	<p>Participate in job fairs, recruiting events, and other networking events.</p>	<p>Continue to engage in campus activities. Join a student organization if you haven't already. Stay involved!</p>
<p><b>GET HIP</b>          (HIGH IMPACT PRACTICES)</p> 	<p>Seek out course sections that are A+CE designated or designated as service learning.</p>	<p>Begin to obtain career advising in the Department. Think about internships.</p>	<p>Utilize UHD's Main Career Center resources. Continue service learning. Look at Study Abroad options. Think about research with SAD faculty.</p>	<p>Work with SAD faculty on a research project. Maximize your degree impact.</p>
<p><b>LIFE AFTER GRADUATION</b></p> 	<p>While you are now at the beginning, keep the finish line in sight!</p>	<p>Think about your career focus. SAD is a diverse field. What is the best fit for you?</p>	<p>Plan your course plan around your career goals. Emphasize your specialty areas.</p>	<p>Seek department career advising. Apply for jobs. The process may be lengthy.</p>

Construction Manager  
\$98,890

Civil Engineer  
\$88,050

Construction Engineer  
\$72,531

Structural Engineer  
\$71,610

Project Management Specialist  
\$94,500

Surveyors  
\$61,600



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**COLLEGE OF SCIENCES & TECHNOLOGY**

**College of Science & Technology**

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**TOP 10 SKILLS employers look for:**

- Ability to work in a team Structure
- Ability to make decisions and solve problems
- Ability to verbally communicate with persons inside and outside the organization
- Ability to obtain and process information
- Ability to analyze quantitative data
- Technical knowledge related to the job
- Proficiency with computer software programs
- Ability to create and/or edit written reports
- Ability to sell or influence others



*Jobs4Gators is the Main Career Center's online system that gives you direct access to find full-time, part-time and internship positions. Visit Jobs4Gators at: [https://uhd-csm.symplicity.com/students/?signin\\_tab=0](https://uhd-csm.symplicity.com/students/?signin_tab=0) where you can get your resume reviewed, request appointments with your career coach, RSVP for career events and job fairs, and much more. Launch your career plans with Jobs4Gators today.*

**CHECKLIST FOR SUCCESS:**

- Create a Job Mine Account
- Check in with your advisor
- Review your degree plan to stay on track
- Attend science workshops and seminars
- Visit the Student Engagement & Leadership Center
- Seek out career advising.
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