

# UNIVERSITY of HOUSTON | ENGINEERING

## Department of Civil & Environmental Engineering

### Bachelor of Science in Civil Engineering (BSCE) Undergraduate Advising Guide (guide is online at <http://cee.egr.uh.edu/programs/undergraduate>)

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**Disclaimer:** This is an unofficial document and it does not contain all requirements and provisions applicable to BSCE majors. You are responsible for ensuring you follow all provisions established by UH, the College of Engineering, and the Department of Civil and Environmental Engineering.

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#### University Level

- [uh.edu E-mail Alias](#)

Your @uh.edu email alias is a forwarding service. Keep it pointed to a mailbox you check regularly! Warning – on multiple occasions Yahoo and Hotmail have bounced all emails from UH. Consider using other provider for the uh.edu destination.

<http://www.uh.edu/infotech/services/accounts/email/update-student-address/index.php>

- [UH Student Resources](#)

<http://www.uh.edu/students/>

- [Course Descriptions and Prerequisites](#)

Check pre- and co-requisites carefully; you must follow new requirements when they are updated. If you do not meet requisites you can be dropped at any time (after refund date, after W drop date, etc.). Just because you can enroll in the course it does not mean you have the right to take it!

<http://www.uh.edu/courses-undergraduate>

- [Texas Common Course Numbering System \(TCCNS\)](#)

Uniform set of course numbers for Texas public community colleges and universities.

- o State of Texas TCCNS page (can compare schools): <https://tccns.org/>

- o UH Engineering TCCNS page: go to page below and select "Engineering"

<http://www.uh.edu/undergraduate-admissions/apply/transfer/transfer-equivalency-guides/>

- ***Current UH engineering students cannot take engineering courses at other institutions without prior permission.***

- [Academic Calendar](#)

<http://www.uh.edu/academic-calendar-undergraduate>

- [UH Academic Honesty Policy](#)

Sanctions up to expulsion from University. Turn off cell phone and put it in backpack during exams!  
<http://www.uh.edu/academic-honesty-undergraduate>

- [Limit on In-state Tuition for Texas Residents](#)

Limit on sum of hours taken at all Texas public community colleges and universities. All courses (including W grades) included in count. For BSCE majors, when you have attempted 130+30 hours = 160 hours must pay extra fee (currently \$100 per credit hour)

Click "Texas Enrollment Cap" tab at <http://www.uh.edu/provost/policies/student/>

- [University of Houston Core Curriculum](#)

Do not assume a course is core - check the list! There are alternate ways to satisfy history and government cores than those on the BSCE degree plan flowchart and alternate paths for Honors College.

<http://www.uh.edu/academics/corecurriculum/>

- [Texas Higher Education Coordinating Board Core Web Center](#)

List for all schools at <http://www.theccb.state.tx.us/apps/tcc/>

If course is core at one Texas public school it will count towards core if transferred to another one. If you are core complete at one public Texas college or university, you are core complete at all of them.

- [Honors College](#)

Small-college environment inside UH for UH's most academically talented students.

[www.uh.edu/honors/prospective-students/index.php](http://www.uh.edu/honors/prospective-students/index.php)

- [Numerous UH Policies in Catalog](#)

1. 66 Hour Limit on freshman + sophomore transfer courses that are **APPLIED** to degree
2. No more than three attempts at University course (only **two attempts** for engineering courses)
3. Overall GPA of 2.0 required
4. 3000 and 4000 level courses **in Major** "expire" after 7 years
5. Must complete at least 25% of degree at UH
6. Only 6 of last 30 hours can be taken outside UH and those six hours must be core
7. Can't graduate on degree plan that is over 7 years old
8. If you don't enroll for 13+ months you are no longer UH student
9. Can always move to newer degree plan

<http://www.uh.edu/policies-undergraduate>

- [University Probation and Suspension. Based on Overall GPA – must be 2.0 or higher](#)

<http://publications.uh.edu/content.php?catoid=25&navoid=8860>

- [Applying for Graduation](#)

APPLY TO GRADUATE through [myuh.uh.edu](http://myuh.uh.edu) early in graduating semester. Do not wait for pending petitions. Deadlines: <http://www.uh.edu/academic-calendar-undergraduate>

## College and Department Level Requirements

- [About the College of Engineering](#)

<http://catalog.uh.edu/content.php?catoid=25&navoid=8949>

- [CIVE Degree Plan](#)

[http://publications.uh.edu/preview\\_program.php?catoid=25&moid=9080&returnto=8859](http://publications.uh.edu/preview_program.php?catoid=25&moid=9080&returnto=8859)

- [CIVE Course Descriptions and Prerequisites](#)

Go to page below. In **Prefix** dropdown select **CIVE**.

<http://www.uh.edu/courses-undergraduate>

- Numerous College Policies
  1. Must take 30 hours of engineering courses at UH
  2. Must earn C- or Better in Required Engineering, Math, and Science Courses
  3. Limit of Two Attempts for Engineering Courses (W grade counts as attempts)
  4. Current engineering students must Have PRIOR Permission to take Engineering Course Anywhere Besides UH  
<http://catalog.uh.edu/content.php?catoid=25&navoid=8947>
- Engineering Probation and Suspension (must maintain major GPA of 2.25 or higher)  
<https://www.egr.uh.edu/academics/policies/probation-and-suspension>
- Courses that count towards BSCE Major GPA (list in third paragraph of page below)  
[http://publications.uh.edu/preview\\_program.php?catoid=25&poid=9080&returnto=8859](http://publications.uh.edu/preview_program.php?catoid=25&poid=9080&returnto=8859)

### Civil and Environmental Engineering Department Specifics

Flowchart (not an official document – just advising aid, official degree plan in [Undergraduate Catalog](#)):  
[www.cive.uh.edu/programs/undergraduate/flowchart](http://www.cive.uh.edu/programs/undergraduate/flowchart)

- Advising Notes
  1. Future summer course offerings are **not** guaranteed.
  2. Prerequisite requirements rigorously enforced in all CIVE courses. Exceptions to prerequisites **must be approved in writing (via a General Petition) by the instructor of the course and Dr. Herman.**
  3. CIVE lab classes can demand extra time. When possible, do not schedule more than two CIVE lab classes in same semester.
  4. Lay out course plans at least three semesters ahead. Take courses that are prerequisites for lots of other courses as early as you can.
  5. Some courses (especially at the senior level) are not offered in both fall and spring. See flowchart footnotes and list of CIVE Electives).
  6. Begin planning early to meet prerequisites for senior courses, particularly CIVE 4312.
- Graduate Courses as CIVE Tech Electives  
Students who have overall and major GPAs  $\geq 3.0$  MAY be allowed to take up to two CIVE [graduate courses](#) and count them as CIVE Senior Electives. Submit request to Dr. Herman on a [General Petition](#). In request, list the course you want to take, the total number of hours you are taking, and whether you are working outside school or not. If you are working outside school provide the name of your employer and the number of hours you work per week.
- Fast Track Master's Degree: Double-counting Graduate Courses  
Select students can double-count two [graduate courses](#) towards both undergraduate and graduate degrees. Apply for fast-track graduate program. For more info on program see last section at:  
[http://catalog.uh.edu/preview\\_program.php?catoid=25&poid=9077](http://catalog.uh.edu/preview_program.php?catoid=25&poid=9077)

**Graduate Courses that are Good Candidates as  
CIVE Senior Technical Electives for Strong Seniors**

Environmental	6377 Environmental Chemistry 6388 Hazardous Waste Treatment Processes 6391 Environmental Engineering Microbiology
Geosensing Systems	6386 Survey Measurements and Analysis 6393 Geostatistics 7342 Engineering Geographic Information Systems
Hydrosystems/Water Resources	6322 Stormwater Management 6331 Hydraulics of Open Channel Flow 6361 Engineering Hydrology
Structural/Geotechnical	6323 Advanced Foundation Design 6335 Advanced Concrete Design 6337 Matrix Analysis of Structures 6338 Advanced Steel Design 6353 Prestressed Concrete 6355 Introduction to Dynamics of Structures

**Advisement Report and Petitions**

Run your myUH Advisement Report at the beginning and end of every semester. Instructions are available at:

[www.uh.edu/myuhhelp/Academic%20Advisement%20Report/index.php](http://www.uh.edu/myuhhelp/Academic%20Advisement%20Report/index.php)

1. If you have been advised to submit a petition please do so immediately. Your petitions need to be submitted so that you will know if a request is approved or disapproved.
2. Course substitutions/exceptions that are approved likely won't appear in the proper place on your myUH Advisement Report. The College will e-mail you a copy of petitions after they have been reviewed. If your petition request is approved, keep a copy of the approved petition until you receive your degree from UH.

• Transfer Core Courses that aren't Labeled Core at UH

If a core course from another Texas public school does not fall in the right spot on your myUH Advisement Report let us know. We can help get the proper core code attached to your class.

• Undergraduate Transfer Credit Petition

Submit Transfer Credit Petition for courses that are not automatically matched to UH courses. Faculty teaching the type of course you want to transfer will evaluate your transfer request and decide if it can substitute for a UH course or not. (if you took a core course at a Texas Public Community College, just let Mrs. Alicea or Dr. Herman know if that course isn't categorized as core on your Advisement Report)

<http://www.uh.edu/academics/forms/#transferpetition>

• General Petition

Multiple uses including change of major, overload, degree requirement exception.

<http://www.uh.edu/academics/forms/#generalpetition>

• Community College Approved CAD Course Substitutes in BSCE Degree Plan

Must take TWO community college CAD classes to substitute for MECT 3341. This substitute is only for the BSCE degree. Community College "Basic CAD" plus "Intermediate CAD" or "Intermediate CAD" plus a higher-level CAD course.

**Activities and Scholarships**

• Join the UH student chapter of the American Society of Civil Engineers (UH ASCE)

Network with fellow students, alumni, and potential employers, volunteer, participate in competitions

<http://asce.egr.uh.edu/> and <https://www.facebook.com/UHASCE>

- [Apply for College Scholarships](http://egr.uh.edu/academics/scholarships)  
<http://egr.uh.edu/academics/scholarships>

- [Department Scholarships](#)

To be eligible for most of the awards you must have completed CIVE 2330 Statics or a higher-level civil engineering course at UH. A new application must be submitted each academic year. The application will be emailed to the UH BSCE listserv in late spring.

### **Some Great Resources for UH Students**

You are already paying for many of the resources listed below through your tuition and student fees. Take advantage of them!

- [Learning Advancements for UNDERgraduate Cougars of Houston \(LAUNCH\)](http://www.uh.edu/ussc/launch/services/)

You are paying for this center every semester through your fees. Offers learning support programs and self-development activities designed to improve student academic performance. Individualized assessments and group workshops available.

<http://www.uh.edu/ussc/launch/services/>

- [Scholar Enrichment Program – Workshops for Math and Science Classes \(& Scholarships\)](#)

Read about SEP program. Click “Workshop” link in menu at left.

[sep.uh.edu](http://sep.uh.edu)

- [Engineering Workshops for Various Lower Level Engineering Courses](http://promes.egr.uh.edu/workshops)

<http://promes.egr.uh.edu/workshops>

- [Counseling and Psychological Services \(CAPS\)](http://www.uh.edu/caps/resources/students.html)

CAPS offers counseling for wide range of issues that may interfere with daily life activities, contribute to low academic performance, stress, anxiety, etc. Ten free individual sessions a semester. Strong students have the courage to recognize when they need help.

<http://www.uh.edu/caps/resources/students.html>

- [Dean of Students Office – Student Advocacy and Support Services](http://www.uh.edu/dos/advocacy-support/)

Service that helps students with various academic and non-academic concerns. When you do not know where to get the help you need ask them!

<http://www.uh.edu/dos/advocacy-support/>

- [University of Houston Writing Center](http://writingcenter.uh.edu/)

Trained consultants help you develop and structure ideas, organize thoughts. If your writing skills are weak allow time to meet with consultant more than once on a document.

<http://writingcenter.uh.edu/>

- [Engineering Career Center](http://career.egr.uh.edu/)

Sign up right now! They can help you find internships and post-graduation jobs.

<http://career.egr.uh.edu/>

- [University Career Services](http://www.career.uh.edu/general/ServicesInfo/index.cfm)

Do not forget to take advantage of the University Career Center too!

[www.career.uh.edu/general/ServicesInfo/index.cfm](http://www.career.uh.edu/general/ServicesInfo/index.cfm)

- [Program for Mastery in Engineering Studies \(PROMES\)](http://promes.egr.uh.edu/)

PROMES provides a positive learning environment that supports the needs of undergraduate students. PROMES can be particularly helpful to students from underrepresented groups.

<http://promes.egr.uh.edu/>

## **Admissions Information, Math Placement, AP/CLEP Credit**

- *Admissions Webpage*

Admissions are handled by the University and College of Engineering, not departments.

[www.uh.edu/admissions/](http://www.uh.edu/admissions/)

- *Engineering Admission Requirements*

[www.egr.uh.edu/academics/admissions/requirements](http://www.egr.uh.edu/academics/admissions/requirements)

- *Math Placement Exam*

Placement exam must be taken by all first-time-in-college freshman and transfer students who do not have any college-level math credits.

[http://www.uh.edu/nsm/math/undergraduate/course\\_policies/math\\_placement/](http://www.uh.edu/nsm/math/undergraduate/course_policies/math_placement/)

- *AP and CLEP Credit*

Send scores to UH's University Testing Services. See "CBE Brochure" link at website below for course credit that can be obtained through AP, CLEP, and other tests.

<http://ussc.uh.edu/uh-credit-by-examination.aspx>

- *UH in 4 – four year graduation plan with fixed tuition for first-time-in-college students admitted in summer or fall*

<http://www.uh.edu/provost/students/new-coogs/uhin4/>

- *Fixed Tuition for Transfer Students who start in summer or fall*

<http://www.uh.edu/provost/students/new-coogs/uhin4/tuition/>