

***Teach*HOUSTON**

UNIVERSITY OF HOUSTON – Natural Sciences and Mathematics



Ever Thought About Becoming a Teacher?

Try it out with the *Teach*HOUSTON Program. *Teach*HOUSTON is a program that allows students to explore teaching. It provides students with the opportunity to complete teacher certification for middle school and high school math, science and computer science.

Why Should You Be Interested?

You will have the chance to see if you like teaching by taking our first course **CUIN 1101 (STEP 1)**. Any Freshman or Sophomore can take it. The course introduces you to what teaching is like. You will observe and teach lessons in Houston area elementary schools.

If you discover teaching is not for you, that's fine! If you enjoy the teaching experience, you can take our next course, **CUIN 1102 (Step 2)**, and plan to complete the rest of your certification coursework.

Freshmen or Sophomores may take our first course. All students of the College of Natural Sciences and Mathematics are welcome!

How Does the *teach*HOUSTON Program Work?

- ❖ If you like **CUIN 1101 (Step 1)**, then you take **CUIN 1102 (Step 2)**, and you take other teaching courses along with your major courses to complete certification to teach.
- ❖ You can major in ANYTHING from the College of Natural Sciences and Mathematics and still complete the certification program!
- ❖ You need an area of concentration in one of the following: Biology, Chemistry, Physics, Mathematics, or Computer Science.
- ❖ We want you to try the program even if you don't want to be a teacher. It will give you a chance to see what it's like, and you will get to work with youth too! You may end up liking it more than you think!

So, How Do You Start the Program or Take Step 1?

- ❖ Complete an application for the *teach*HOUSTON Program.
- ❖ Contact Dr. Susan Williams for *teach*HOUSTON advising.
713.743.4969 or sewilliams@uh.edu
- ❖ Register for **CUIN 1101 (Step 1)**.

- ❖ Call the **teachHOUSTON** office at 713-743-4969 or email sewilliams@uh.edu to make an appointment with Dr. Susan Williams (**teachHOUSTON** advisor). She will provide assistance in registering for the first **teachHOUSTON** course, **CUIN 1101 (Step 1)** and answer your questions.
- ❖ For Spring 2006, register for **CUIN 1101 (Step 1)**.

Don't forget, **teachHouston** is here to HELP YOU explore your questions about teaching!!!

TeachHOUSTON Website: <http://teachhouston.uh.edu>

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Courses and Field Experiences

Course Title	Field Experience	Home
CUIN 1101 Teaching Science and Math-STEP 1	Elementary School	NSM
CUIN 1102 Teaching Science and Math-STEP 2	Middle School	NSM
CUIN 4397 Knowing and Learning <i>Science and Math</i>	None	COE
Classroom Interactions in Science and Math	High School	COE
<i>Perspectives on Science and Mathematics</i>	None	NSM/ COE
Research Methods	None	NSM
Project-Based Instruction	Middle/High School (only observations)	COE
Student-Teaching Seminar	None	NSM/ COE
Student Teaching	Based on Certification Sought	COE

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Possible Course Sequence for Freshmen and Sophomores

Preliminary
Portfolio
is Due

Final
Portfolio
is Due



Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
STEP 1	STEP 2	Knowing & Learning	Classroom Interactions	Perspectives	Research Methods	Project-Based Instruction	Student Teaching Seminar & Student Teaching
	STEP 1	STEP 2 Knowing & Learning	Classroom Interactions	Perspectives	Research Methods	Project-Based Instruction	Student Teaching Seminar & Student Teaching
Suggested Sophomore Pathway: (6 semesters) →		STEP 1	STEP 2 Knowing & Learning	Classroom Interactions	Research Methods Perspectives	Project-Based Instruction	Student Teaching Seminar & Student Teaching
Suggested Sophomore Pathway: (5 semesters) →			STEP 1	STEP 2 Knowing & Learning	Classroom Interactions Research Methods	Perspectives Project-Based Instruction	Student Teaching Seminar & Student Teaching

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UNIVERSITY OF HOUSTON Natural Sciences and Mathematics



Welcome to the *teach*HOUSTON Program for College of Natural Sciences and Mathematics Students!

*Teach*HOUSTON prepares and supports secondary mathematics, science and computer science teachers at the **University of Houston**. If you are an undergraduate freshman or sophomore who wants to teach Grades 4-8 or 8-12 science or math, then *teach*HOUSTON is for you.

Is teaching right for me?

Find out right away with *teach*HOUSTON **STEP** courses. Master Teachers introduce students to examples of high-quality inquiry-based lessons and model the pedagogical concepts to which they are being introduced. In **STEP 1** students *prepare and teach* 3 lessons in elementary classrooms, and in **STEP 2** students *prepare and teach* 3 lessons in middle school classrooms. In the Classroom Interactions course, students *prepare and teach* 3 lessons in high school classrooms.

Advantages:

*teach*HOUSTON students have access to:

- ❖ Scholarships
- ❖ Paid internships
- ❖ Advisors for all aspects of the program
- ❖ Continuing support after graduation

Want more info? Check out *teach*HOUSTON on the web:

<http://teachhouston.uh.edu>

What are some of the questions people ask about *the teachHOUSTON Program*?

*How is the **teachHOUSTON** Program different from traditional teacher-preparation programs?*

- You will gain hands-on teaching experience as early as your first semester.
- You will learn how to teach from some of the finest Master Teachers in Houston.
- You will develop your own teaching portfolio throughout the program.
- The University will reimburse YOUR tuition for the first two field-based STEP courses.

*What are the benefits of the **teachHOUSTON** Program?*

- You will discover early on whether you want to pursue a career in teaching
- You will deepen your understanding of science and math concepts as you teach.
- You will meet other students who share a common interest in teaching.

*What criteria will be used to select the participants for the **teachHOUSTON** Program?*

Each semester we will enroll 25 new students who have excellent academic records and who demonstrate the potential and motivation to become outstanding teachers. Students who wish to join **teachHOUSTON** must also meet a minimum GPA requirement of 2.5.

How many professional development hours will I carry each semester?

There are 18 hours of professional development coursework. You will enroll in a one-hour field-based course during your first two semesters in the program. The remaining three-hour courses can be taken one semester at a time. Student teaching will occur during the final semester of your senior year.

What type of certification will I have when I complete the program?

teachHOUSTON will prepare you for certification in Grades 4-8 or 8-12 mathematics, composite science, life science, physical science, or computer science.

How much time will I actually spend in classrooms?

You will begin teaching students your first semester in the program. By the time you reach your student teaching semester, you will have taught as many as 15-20 lessons at the elementary, middle, and high school levels.

*Can I join the **teachHOUSTON** Program if I am a junior or senior?*

Juniors and seniors are not eligible for *the teachHOUSTON* Program. Currently only Freshmen and Sophomore students who are majoring in a field that has a mathematics, science, or computer science concentration are eligible.

***teach*HOUSTON Professional Development and Supporting Courses:**

CUIN 1101 (Step 1)

CUIN 1102 (Step 2)

Knowing and Learning in Math and Science

Classroom Interactions

Research Methods

Project Based Instruction

Student Teaching in middle and secondary schools

Student Teaching Seminar

***teach*HOUSTON Course Prerequisites**

In order to take CUIN 1102 (Step 2), you must earn a grade of C or better in CUIN 1101 (Step1).

In order to take Classroom Interaction, you must earn a grade of C or better in CUIN 1102 (Step 2) and in Knowing and Learning in Math and Science.

In order to take Project Based Instruction, you must earn a C or better in Classroom Interactions. Additionally, you must turn in and earn a passing score on the preliminary portfolio before you can enroll in Project Based Instruction.

In order to enroll in Student Teaching, you must have completed Project Based Instruction with a C or better and have a cumulative GPA of 2.5 or higher.

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Application to the *teach*HOUSTON Program

Name: _____

Mailing Address: _____

City: _____ State: Texas Zipcode: _____

Phone: _____ Cell: _____

E-mail: _____

Current University of Houston Classification: (check one)

- First-Semester Freshman
 Second-Semester Freshman
 First-Semester Sophomore
 Second-Semester Sophomore

Current University of Houston Major Field of Study: (check one)

- Mathematics Biology Chemistry
 Physics Computer Science
 Other (please specify) _____