SIGNATURE EXPERIENCES

UH is a leading research university offering many opportunities for lab and field experience on campus and in the greater Houston area, including:
- Energy Corridor
- NASA Johnson Space Center
- UH Coastal Center
But we don’t stop there. The world is the classroom for many NSM students.

The experience of being an NSM student is one of diversity, intellectual excellence, and research opportunity. Our students build and send payloads into space, study under professors who are actively making scientific discoveries, and participate in research themselves. As the fourth-largest city in the country, Houston is a great place from which to launch a STEM career.

Opportunities also exist for research abroad. For example, NSM students conduct valuable STEM fieldwork in the birthplace of evolution — the Galápagos Islands off the coast of Ecuador. Most students earn their scuba certification in order to work on underwater projects involving sea lions, sea urchins, turtles, and various species of fish. Add in a homestay with a local Ecuadorian family, and students return with a new cultural perspective.

STUDENT TESTIMONIALS

“I love being a part of NSM because of the people I’ve been able to connect with. You’re surrounded by tomorrow’s healthcare providers, scientists, researchers — people that will advance science and innovate technology.”
Paula Igwe, Biology, B.S.

“I’ve had so many doors opened for me that I did not know existed prior to my time at UH. My coursework in geospatial analysis and field methods prepared me for an internship in Fairbanks, Alaska, modeling river flooding.”
True Furrh, Environmental Sciences, B.S.

“NSM has shaped me into an adult who knows her values, knows how to fight for what she believes in, and knows that she has found a forever home at UH. The moment I stepped foot on this campus, I did not feel like a number or lost in the sea of incoming freshmen. I knew I was wanted, and I knew I could make an impact here.”
Daniela Orozco, Biology, B.S.

“NSM has shaped the person I am today. I really found my passion in data analytics and machine learning through the Computer Science program, and I found great friends and colleagues that gave me the skills to thrive in the workforce.”
Ketan Sinha, Computer Science, B.S.

“Through NSM, I earned a fellowship with the Department of Energy’s National Energy Technology Laboratory focused on carbon capture and sequestration. Using statistical methods, my job was to analyze characteristics of the rocks and formations to determine which are naturally better at preventing carbon dioxide from escaping, and therefore, made for better seals. This fellowship was my first opportunity to apply my mathematical training to a real-world problem.”
Michelle Tran, Mathematics, B.S.

UNDERGRADUATE PROGRAMS

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Ketan Sinha, Computer Science, B.S.

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NATURAL SCIENCES & MATHEMATICS
The College of Natural Sciences and Mathematics is a dynamic community of students, educators, and researchers working together to drive bold discoveries. As a Tier One Research institution celebrating diversity, we are committed to student success, the pursuit of knowledge through fundamental and applied research, and continued engagement in community and professional service.

**BIOLOGY & BIOCHEMISTRY**  
From molecular to cellular, organisms to ecosystems, courses and research opportunities address basic and applied aspects of molecular biology and biological sciences.  
• Biology (B.A., B.S.)  
• Biological Science (B.S.)  
• Biochemistry & Biophysics (B.S., B.A.)

**CHEMISTRY**  
Study the composition, structure, properties, and reactions of matter, with a focus on manipulation of matter at atomic and molecular levels.  
• Chemistry (B.A., B.S.)

**COMPUTER SCIENCE**  
Impacts every sector of the economy, including aerospace, banking, energy, and health care, in addition to the core software and hardware industries.  
• Computer Science (B.S.)

**EARTH & ATMOSPHERIC SCIENCES**  
Degree plans and careers advance the understanding of the earth, oceans, atmosphere, and solar system.  
• Geology (B.S.)  
• Geophysics (B.S.)  
• Earth Science (B.A.)  
• Atmospheric Science (B.S.)

**MATHEMATICS**  
The language of the universe and an engine of the sciences, mathematics provides key tools for countless applications, such as economics, engineering, and medicine.  
• Mathematics (B.A.)  
• Mathematical Biology (B.S.)

**PHYSICS**  
Discover and study the fundamental laws of nature around us, in us, and in the universe beyond us. Learn experimental, analytical, and numerical skills to solve problems.  
• Physics (B.A., B.S.)

**THE ROAD TO NSM**  
A USEFUL TIMELINE FOR PREPARING FOR COLLEGE

**START HERE**  
Junior Year of High School

**CAREERS**
- Medicine/Health Care  
- Education/Learning  
- Biotech/Science Research  
- Bio/Chemical Modeling  
- Computer Science  
- Mathematics  
- Economics  
- Engineering  
- Medicine

**SCIENTIFIC RESEARCH**
- Scientific Researcher  
- Data Analyst/Modeler  
- Government Policymaker  
- Physicians/Lawyer

**WHAT DO YOU WANT TO DO WITH YOUR LIFE?**

**CHEMISTRY**
- Molecular Scientist  
- Materials Scientist  
- Chemical Engineer  
- Environmental Scientist  
- Pharmaceutical Scientist

**COMPUTER SCIENCE**
- Software Engineer  
- Applications Architect  
- Security Analyst  
- Data Scientist  
- Applications Developer

**EARTH & ATMOSPHERIC SCIENCES**
- Geologist  
- Geophysicist  
- Environmental Scientist  
- Atmospheric Scientist  
- Earth Scientist

**MATHEMATICS**
- Actuarial Analyst  
- Financial Analyst  
- Data Scientist  
- Statistical Consultant  
- Operations Researcher

**PHYSICS**
- Nuclear Physicist  
- Particle Physicist  
- Astronomer  
- Medical Physicist  
- Materials Scientist

**CAREERS**
- Data Analyst/Modeler  
- Intellectual Property Counselor  
- Government Policymaker  
- Public/Community Relations  
- Volunteer Coordinator

**APPLY EARLY! MONEY MATTERS!**  
Scholarships & Financial Aid

**WELCOME**  
See You at Orientation!