

A close-up, high-angle view of a spacecraft's interior. The image shows a white control panel with a central square window displaying a blue-tinted view of Earth from space. To the left, a white mechanical arm or structure is visible. The overall lighting is dramatic, with strong highlights and deep shadows, creating a sense of depth and technical precision.

SPACE ARCHITECTURE

SICSA.EGR.UH.EDU

PUSHING "HOME" BEYOND
ITS EARTHLY LIMITS

WHAT IS SPACE ARCHITECTURE?

Space architecture is an interdisciplinary field that involves the planning and design of facilities in extreme environments on earth and in space, including ocean facilities, polar research stations, human disaster accommodations and orbiting space stations. The only program of its kind in the world, the Cullen College's space architecture program involves engineers and technical architects teaming up to design missions and operations from the ground up. Their work includes orbital mechanics, human habitats, logistics, design for extreme environments, life support systems, human factors and launch capability trades.

WHY THE UNIVERSITY OF HOUSTON?

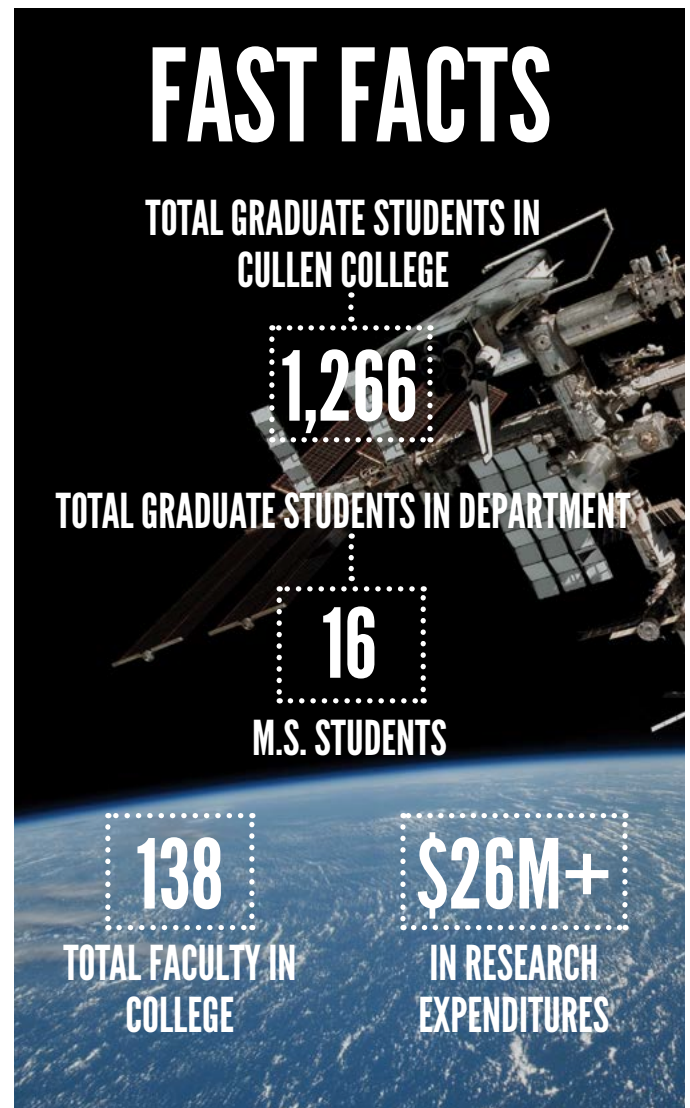
The UH Cullen College of Engineering is the home of the world's only graduate program in space architecture. The operational center for the program is the Sasakawa International Center for Space Architecture, or SICSA, which is internationally-recognized as the center that both defines and leads the space architecture field. SICSA's location in Houston, a preeminent global space technology and trade center, affords important resource and collaboration benefits. This setting offers convenient access to NASA's Johnson Space Center, local aerospace companies, major research institutions and commercial technology enterprises throughout the city and region.

WHAT CAN I DO WITH A SPACE ARCHITECTURE GRADUATE DEGREE?

Career opportunities for space architecture graduates are excellent – especially in the city of Houston, also known as Space City. Graduates of the space architecture program can be found in leadership positions at NASA, Boeing and SpaceX as well as in energy companies throughout the Houston region and beyond.

WHAT TYPES OF GRADUATE DEGREES DO YOU OFFER IN SPACE ARCHITECTURE?

The UH Cullen College of Engineering offers an M.S. degree (thesis) in space architecture.



FOR MORE INFORMATION

For more information on eligibility and admissions requirements, please visit sicsa.egr.uh.edu/welcome/ms-space-architecture-curriculum