

GRADUATE PROGRAM IN PHYSICS

with specialization in SPACE PHYSICS

The University of Texas at San Antonio and the Southwest Research Institute.

THE GRADUATE PROGRAM IN PHYSICS

Students in the program are prepared for a career in Space Physics through research-focused courses and scientific investigations with space flight missions. Students also work alongside world-class faculty in SwRI's state-of-the-art facilities for construction and calibration of space flight instrumentation.

Our joint program provides world-class training through direct involvement with active NASA and ESA missions and leads to exciting careers in Space Physics, Planetary Science and Astrophysics.

Space Physics Electives:

- Fundamentals of Space Physics
- Ionospheric Physics
- Magnetospheric Physics
- Plasma Physics and Magnetohydrodynamics
- Planetary Science
- Space Physics Laboratory
- Solar and Heliospheric Physics

SwRI

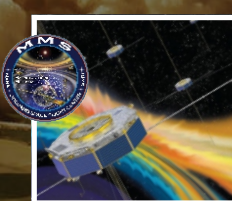
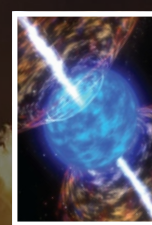
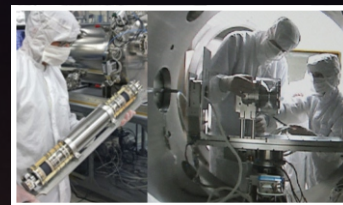
SwRI's Space Science and Engineering Division is a leader in space physics research. Faculty members have served as leads and team members for numerous NASA and ESA flight instruments and missions with involvement on ACE, Cassini, IBEX, Juno, LRO, MMS, New Horizons, Parker Solar Probe, STEREO, Swift, Solar Orbiter, BepiColumbo, and Van Allen Probes along with future missions such as Europa Clipper, IMAP, JUICE, PUNCH, TRACERS, and CubeSat missions such as CeREs and CuSP.

SwRI is headquartered in San Antonio, Texas, and has campuses around the world. With over 3,000 employees, SwRI is a world-renowned institution benefiting government, industry, and the public through innovative science and technology.

UTSA

UTSA is a recognized R1 (very high research activity) doctoral degree granting university. The UTSA Department of Physics and Astronomy offers both M.S. and Ph.D. in Physics for areas such as Astrophysics, Biophysics, Material Science, Nanotechnology, Planetary Science, and Space Physics.

In 2018, National Geographic named San Antonio to its "Best of the World" list, calling it a must-see destination. Among modern attractions, San Antonio is home to the historic Alamo and the River Walk which intersects museums and other World Heritage sites. The city is surrounded by the natural beauty of the Texas Hill Country and is only about an hour from Austin.



For more information, visit our website (grad.space.swri.edu) or contact Dr. Rob Ebert (rebert@swri.edu).
Ph.D. Application Deadline is January 1st

