Research Centers and Missions (select list)

- Air Quality Laboratory
- Atmospheric Chemistry and Climate Modeling
- Cassini-Huygens Mission to Saturn and Titan
- Center for Planetary Sciences
- Center for Radiative Shock Hydrodynamics (CRASH)
- Center for Space Environment Modeling (CSEM)
- Laboratory Astrophysics at High Energy Density
- Magnetosphere-Ionosphere Science
- MESSENGER Mission to Mercury
- Microwave Geophysics Group
- Program for Research on Oxidants: Photochemistry, Emissions & Transport (PROPHET)
- Remote Sensing Group
- Rosetta Mission to Comet 67P / Churyumov-Gerasimenko
- Solar and Heliospheric Physics Group
- STEREO Mission
- Tropospheric Ozone and Air Quality Modeling
- Venus Express Mission

For more information about this and other AOSS academic programs, contact:
Margaret Reid
AOSS Student Services Advisor
2204 Space Research Building
aoss.um@umich.edu
734-936-0482
Visit us on web at:
http://aoss.engin.umich.edu
In our increasingly technical world, master’s degrees are becoming the minimum accepted level of education. AOSS SGUS programs are designed to provide a comprehensive knowledge of atmospheric/space sciences or space engineering and to increase your depth of knowledge beyond the baccalaureate degree level.

Your bachelor’s degree will be awarded upon completion of the BSE requirements and your master’s degree upon completion of the graduate program requirements. Students typically enter the SGUS program by provisional enrollment in their junior year. Once you are within six credit hours of completing the required undergraduate degree, you will officially enroll in the appropriate masters program for a minimum of two full terms, normally the last two semesters, and pay full graduate tuition for these two terms. You are allowed to “double count” up to nine credit hours for the two degrees.

AOSS offers you two distinct SGUS programs, both of which can lead to better entry positions upon graduation and can open doors that a BSE degree alone cannot.

**Atmospheric/Space Sciences**

*Study of Atmospheric Dynamics and Physics*  
*Study of Planetary, Solar and Cosmic Weather*

If you are interested in studying the phenomena that occur in the Earth’s atmosphere or deeper into space, you may select either the Atmospheric Science concentration or the Space Science concentration. The concentrations will give you a comprehensive knowledge of atmospheric or space science and the various components of each system.

**Space Engineering**

*The Theory and Practice of Designing Space Systems*

If you are interested in studying the scientific, engineering and management aspects of space engineering, this program, developed with Aerospace Engineering and Electrical Engineering and Computer Science, allows you to structure the program to your specific area of interest. This program, which teaches the systems approach to conceiving, designing, managing and operating complex space systems, provides you with practical experience in space system design, project development and management.