**SPACE WEATHER — THE STUDY OF PLANETARY, SOLAR AND COSMIC WEATHER**

Determining the systemic relationships between the Earth, space and the planets.

The AOSS Space Weather program prepares you to join the space industry, which faces a severe workforce shortage. Positions in government agencies and federal laboratories that deal with space-related disciplines also are open to you. This program is also excellent preparation for graduate studies.

**SAMPLE SCHEDULE***

**College Requirements:**
- Engineering 100, 101
- Chemistry 125/126 AND 130 or 210/211
- Math 115, 116, 215, 216
- Physics 140/141, 240/241
- Humanities/Social Sciences

**ESSE Core Requirements:**
- Earth System Evolution
- Earth System Analysis
- Earth System Dynamics
- Introduction to Radiative Transfer
- Solar Terrestrial Relations
- Atmospheric Thermodynamics
- Earth Systems Models

**Space Weather Courses:**
- Geophysical ElectroMagnetics
- Space Weather Modeling
- Experiential (4 hours from list)
- Multidisciplinary Design
- Instrumentation for Atmospheric & Space Sciences
- Space Components (9-12 hours from list)
- Multidisciplinary Design or Instrumentation for Atmospheric & Space Sciences
- Geophysical Fluid Dynamics
- Earth System Interactions
- Introduction to Plasmas
- Electrical Circuits, Systems, and Applications
- Aerospace Engineering Laboratory I
- Advanced Math for Engineers I

**THE LEADERS AND THE BEST**

The proud history of AOSS has yielded a department honored for its work, with faculty ready to prepare new generations of scientists and engineers for the future in the University of Michigan tradition: **The Leaders and the Best.**

---

*Courses subject to change. Please check with an advisor.*