SCIENCE1 FACTS

SCIENCE 1

Home to the Institute of Materials Science and the Materials Science and Engineering Department, Science 1 is the centerpiece of the University of Connecticut's Northwest Science Quad and one of the largest projects in the Next Generation Connecticut initiative. The facility includes specialty research labs, teaching labs, core labs, computational labs, faculty offices, administrative offices, an active learning classroom, a state-of-the-art clean room and a small cafe. The space is surrounded by the new North Woodland Corridor and includes a new parking area and an extension to the utility tunnel from the Central Utility Plant.

THE CLEAN ROOM

The Cleanroom at Science 1 is 2,000sf under filter with a 3,900sf service/support area.

It is organized into four distinct research bays, each associated with a different clean room process, and all arranged in a linear sequence of increasing cleanliness, starting at ISO 6 and progressing to ISO 5. The four bays include:

- Chemical Vapor Deposition bay,
- Etching bay
- Characterization bay
- EBeam/Lithography bay

Each space is provided with services and infrastructure to support the associated tooling as equipment becomes available.

IMS CORE LABS

Spectroscopy Lab

Chromatography Lab

Nuclear Magnetic Resonance Lab

Thermal Analysis Lab

X-Ray Diffraction Lab

Electrical Insulation Research Center

MSE UNDERGRADUATE TEACHING LABS

The Materials Science and Engineering Department undergraduate teaching labs include a metallography lab, thermal processing lab, and mechanical testing lab.

ACTIVE LEARNING CLASSROOM

This classroom is designed to encourage interactive learning, collaboration, and active engagement.