

Greer Environmental Sciences Center

COMING
Fall 2017



ATMOSPHERIC SCIENCE
BIOLOGY
CHEMISTRY
EARTH SCIENCE
ENVIRONMENTAL SCIENCE
GEOGRAPHIC INFORMATION SYSTEMS (GIS)
MARINE BIOLOGY AND ECOLOGY
OCEANOGRAPHY

THIS NEARLY 40,000 SQ. FT. STATE-OF-THE-ART FACILITY WILL PROVIDE UNPRECEDENTED OPPORTUNITIES FOR STUDENTS WHILE FOSTERING REGIONAL COLLABORATION WITH ORGANIZATIONS SUCH AS THE VIRGINIA AQUARIUM AND THE VIRGINIA INSTITUTE FOR MARINE SCIENCE (VIMS).

Organized thematically around the earth's four spheres – atmosphere, hydrosphere, lithosphere and biosphere – the Greer Environmental Sciences Center will feature sophisticated indoor and outdoor learning spaces that embody “science on display” and promote hands-on experiences, interactive learning and interdisciplinary research.



FOUR LARGE TEACHING LABORATORIES RELATED TO THE EARTH'S SPHERES

- Ecology and Marine Biology Lab
- Earth Science Lab
- Atmosphere and Oceanography Lab
- Analytical Chemistry Lab with Instrumentation

DEDICATED RESEARCH LABS

- Chesapeake Bay Fish Lab
- Geology and Hydrology Lab
- Nutrient Analysis Lab
- Trace Metal Analysis Clean Room
- Environmental Imaging Suite
- Geographic Information System (GIS) classroom

STRATEGICALLY-PLACED SUSTAINABLE FEATURES ACCESSIBLE TO STUDENTS

- Geothermal system for heating, cooling and domestic hot water
- Array of photovoltaic panels and a small-scale demonstration wind turbine
- Extensive green roof
- Greenhouse and research gardens
- Landscaping featuring native plantings, wildlife habitats
- Vegetated bioretention basins, constructed wetlands for stormwater runoff

VERSATILE TEACHING AND LEARNING SPACES

- 50-person, tiered lecture room
- Two 36-person active learning classrooms
- Two 20-person seminar rooms
- Formal and informal study spaces located throughout