DEGREES & PROGRAMS
Earth Systems: BS
Geography: BA, BS, MS
Geology: BA, BS
Environmental Science: BS
Geosciences: MS, PhD

RESEARCH AREAS
Paleoclimate studies
Coastal processes
Regional tectonics and structure
Origin of magmas
Fault system mechanics
Geophysics
Surface and ground water systems, hydrogeology
Landscape evolution and hazards
Urban geography
Indigenous Peoples
Water and energy geography
Geographic Information Systems

POINTS OF PRIDE
Top Microprobe Laboratory in the World
Ranked 4th in US based on percentage of women faculty
Internationally recognized Biogeochemistry Laboratory
State of Art Cosmogenic Isotope-Surface Dating Laboratory
Internationally recognized Hydrogeology Program
Home to NE Climate Science Center—1 of 8 such institutions in the US
Home to Massachusetts Geological Survey
Home to the world class Climate System Research Center
River Smart Program Excellence
Service teaching—nearly 3000+ students/year

STUDENT ORGANIZATIONS
Geography Club & Geology Club

LEADERSHIP & HONORS
Michele Cook is the world leader in geomechanics and modeling
David Boutt awarded the 2018 Birdsell-Dreiss lecturer from the Geological Society of America
Isla Castaneda is a leader in applications of both marine and terrestrial biomarkers
Rob DeConto is a world leader on the future fate of polar ice sheets and their contribution to global sea level rise
Haiying Gao won the 2018 NSF New Career Award
Christine Hatch & Eve Vogel co-lead the RiverSmart Communities Project, promoting public awareness of increased intensity of river flows during storms
Mike Rawlins is a leader documenting the intensification of the Arctic’s freshwater cycle and engaged in media interactions on issues related to climate change and weather extremes
Mike Williams is a leader in microprobe analysis making UMass among the top microprobe laboratories in the world
Jon Woodruff is a world leader in understanding the geologic history of coastal flooding, estuarine processes, and tsunami risk in Japan, the eastern US seaboard, and elsewhere

BY the NUMBERS

tenure faculty: 20
lecturers: 5
postdoctoral fellows: 11
undergraduate major students: 350
graduate students: 65
available scholarships: 10
research awards: $2.9M