DEGREES & PROGRAMS
BS, PhD, Five-year BS/MS, One-year M.S. in Applied Molecular Biotechnology, Two-year MS, Biotechnology Certificate

RESEARCH AREAS
Pathogenic microbiology
Environmental microbiology
Microbial Genetics & Biotechnology

EDUCATION
A fifth-year master’s degree option is available to microbiology majors

Comprehensive two-year M.S. and five-year PhD graduate programs

POINTS OF PRIDE
Small classroom environment aired with personalized academic advising

More than 90% of Applied Molecular Biotechnology MS alumni are placed in biotech companies, research institutions, and PhD programs

LEADERSHIP & HONORS
Kristen DeAngelis received a Career Award from NSF to study soil microbial ecology and evolution in a warming world

Sloan Siegrist received a New Innovator Award from NIH to study treatments for tuberculosis

Yasu Morita received a grant from NIH to study the membrane of the bacterium that causes tuberculosis

Stephen Rich received an NIH grant to develop a human assay for tick-borne pathogens

Steve Sandler received an NIH grant to study DNA replication repair mechanisms

Dhanya Kumar, BS ’18, was awarded a Fulbright Fellowship

Corelle Rokicki, BS ’18, received an outstanding abstract award from the American Society for Microbiology

Caroline Qin, BS ’18, received the UMass 21st Century Leader Award

William Eagen, B.S. ’18, received the UMass Rising Researcher award

PhD student Srishti Kashyap was awarded a NASA Earth & Space Science Fellowship and a Zonta International Fellowship

PhD student Emily Melzer was awarded a traineeship through the Chemistry-Biology Interface (CBI) Program, an NIH-funded predoctoral training program

BY the NUMBERS

tenure faculty: 15
lecturers: 4
postdoctoral fellows: 6
undergraduate major students: 205
graduate students: 43
research awards: $3.48M