STEM@U-M

{ THE LSA ADVANTAGE }

LSA COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS
UNIVERSITY OF MICHIGAN
Competitive class and lab sizes, a new Biological Sciences Building designed to foster collaboration, tight-knit learning communities, and students and faculty who help each other succeed are major parts of what puts LSA among the nation’s best colleges for pursuing a STEM degree. What sets us even further apart? We’re also the heart of one of the world’s leading research institutions.

At LSA, our groundbreaking faculty members are committed to challenge, to motivate, and to inspire students like you. And students like you have the opportunity to shape your education and pursue important, original research from the moment you step on campus.

LSA has an array of departments and majors that can prepare you to become a physician or a physicist—to harness the power of computers or to shape the future of the environment.

NOTABLE STEM Course Offerings

- Alien Skies: A Tour Through the Universe
- Extreme Weather
- Volcanoes and Earthquakes
- An Introduction to Cryptology
- Myth Busters: Health and Nutrition
- Coral Reef Dynamics
- Geobiology
- Biostatistics

Some of LSA’s STEM Majors and Minors

- Actuarial Mathematics
- Applied Statistics
- Astronomy and Astrophysics
- Biochemistry
- Biological Anthropology
- Biology
- Biology, Health, and Society
- Biomolecular Science
- Biophysics
- Biopsychology, Cognition, and Neuroscience
- Cellular and Molecular Biomedical Science
- Chemical Physics
- Chemistry
- Complex Systems
- Computer Science
- Data Science
- Earth and Environmental Sciences
- Ecology, Evolution, and Biodiversity
- Ecology and Evolutionary Biology
- Evolutionary Anthropology
- Geology
- Informatics
- Interdisciplinary Astronomy
- Interdisciplinary Chemical Sciences
- Interdisciplinary Physics
- Mathematics
- Mathematics of Finance and Risk Management
- Mathematical Sciences
- Microbiology
- Molecular, Cellular, and Developmental Biology
- Neuroscience
- Oceanography
- Paleontology
- Physics
- Plant Biology
- Polymer Chemistry
- Statistics

*Fields in italics are available only as minors.
Newnan Academic Advising Center
The place to find LSA advisors who can talk through your plans for college, discuss the future, and help you explore the opportunities and resources available to you.

Science Learning Center (SLC)
An interdisciplinary research center designed to facilitate collaborative learning, foster team building, and empower students in their work.

Women in Science and Engineering Residence Program (WISE RP)
An academically supportive living-learning community for students who are interested in STEM majors and careers.

Undergraduate Research Opportunity Program (UROP)
A nationally recognized program that creates research partnerships between undergraduate students and researchers from all U-M schools and colleges.

Health Sciences Scholars Program (HSSP)
For students seeking to explore today’s issues, opportunities, and careers in health and healthcare in an interdisciplinary learning community.

Michigan Research and Discovery Scholars (MRADS)
For students interested in pursuing research with faculty through the Undergraduate Research Opportunity Program, and who want a small, diverse, and supportive residential community.

As a student, it’s essential
for you not just to attain skills and knowledge, but also to apply them. And LSA is committed to making such opportunities available. Often, the best way to get to know your field is in the field.

LSA Opportunity Hub
The Hub team works with students to identify and fulfill their professional aspirations through coaching and preparation, internships, funding to cover the cost of taking an internship, and networking with alumni and employers in their field of interest.

U-M Biological Station
Located in northern Michigan, a place where students, faculty, and researchers come together to learn about the natural world, examine environmental change, and seek solutions to critical challenges.

Camp Davis Rocky Mountain Field Station
Nestled in the mountains just south of Jackson Hole, Wyoming, an ideal outdoor classroom through which to explore introductory geology, geological mapping, ecosystem science, and more.

Study STEM Abroad
The LSA Center for Global and Intercultural Study offers a wide range of study abroad courses in STEM, including:
- STEM Summer Research Program in Ireland, Spain, Scotland, and England
- EcoQuest Field Studies in New Zealand
- Wildlife Management Studies in Tanzania

For more information, visit myumi.ch/lsaSTEMabroad

Numerous Student Clubs and Organizations

THINK OUTSIDE THE CLASSROOM

YOUR PASSION
OUR PROMISE

At LSA, we understand the rigors of STEM coursework. That’s why we’ve established a range of programs and learning communities to provide vital support to anyone interested in a STEM degree. Our promise is to help you find your place while making sure that you never lose your way.

ENGAGED LEARNING

Academic Support

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Outside the Classroom

Your Passion, Our Promise

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Engaged Learning

Notable UROP Projects

BioKIDS and the Animal Diversity Web
Green Chemistry Project
Immigration, Policy, and Health Study
Detecting Climate Change in Arctic Freshwaters
3D Modeling of the Riley Mammoth Site

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for you not just to attain skills and knowledge, but also to apply them. And LSA is committed to making such opportunities available. Often, the best way to get to know your field is in the field.
At LSA, one of our guiding principles is the importance of interdisciplinary thought—considering problems from multiple perspectives. The college can prepare you to thrive in a STEM career, and the broad skill set of a liberal arts degree will help you reexamine what you’ve learned in ways both important and unexpected. So take that history class. Try your hand at poetry. Savor the classics. And it’s not uncommon for students going into medicine or other STEM fields to pursue non-STEM minors.

Popular non-STEM Minors for STEM Majors

- Sustainability
- Museum Studies
- Entrepreneurship
- Gender and Health
- Medical Anthropology
- Food and the Environment
- History of Health and Medicine

“They think that great leaders have an intense curiosity about and respect for other points of view, which enables them to make better decisions.”
— entrepreneur and former Twitter CEO Dick Costolo [B.S. ’85, Computer Science]

“I love the sciences, but I wanted to understand people as a whole and not just their cellular functions.”
— Meghan Liroff, M.D. [A.B. ’09, Women’s Studies]
“Access to an unparalleled education within the framework of the nation’s top public research university is what makes LSA unlike any other liberal arts college.”

— LSA Dean Anne Curzan