



Saturday STEM Academy

Mercy University's Saturday STEM Academy gives students in elementary, middle and high school an opportunity to learn hands-on STEM concepts and skills in a collaborative environment with distinguished STEM educators. We offer five STEM-focused programs, designed to engage students at every age. Students also experience college-readiness programming and interdisciplinary content.

Grades 1-2

STEM with a Bird's Eye View

Instructors:

Lisa Dulin and Briana Tharas



Let's explore how STEM can help us see the world like a bird! We will engineer bird houses, use robots to plot the course of migrating birds, create eyeglasses to see how and what an owl sees and discover how to live in Antarctica like a penguin.

Grades 3-4

Community Problem Solvers

Instructors: Mercy University Faculty
Dr. Amanda Gunning and Dr. Elena Nitecki,
with Mercy Student Teachers



Did you know that you can make a difference in your neighborhood? In this session, you will connect your imagination, creativity and problem-solving skills to science, technology and engineering to devise imaginative solutions to problems in your local community.

Grades 5-6

Coding and Innovation with Micro:bits and Ozobots

Instructor: Chuck Sincerbeaux

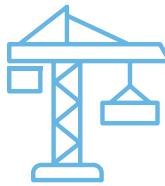


Learn the basics of coding using micro:bits, then move on to sequencing, loops and variables with inputs and outputs, logic, sensors and RadioTransmission. In the final week you will apply what you learned to a new challenge – building games.

Grades 7-8

Strength & Force: Building Powerful Machines

Instructor: Lauren Dykstra



Can you design and build a crane, elevator, tow-truck and excavator that can lift and pull the heaviest loads? Each week you'll work in teams to brainstorm, design and construct the strongest machines using Sphero Roll-and-Vertical-Rover (RVR) and Lego EV3 Robotics Kits. Tackle innovative challenges for each vehicle by working together to test, improve and present your powerful machines. This class will ignite your passion for engineering and innovation.

Grades 9-12

Be a Hero: Investigating Careers in Health Care

Instructor: Mercy University Faculty
Judith Hark, DPT



Using our cutting-edge Anatomage Table for interactive anatomy, a Mercy University Health Science Professor will guide students through hands-on exploration of different health careers. They'll use specialized devices to measure vital signs, explore how exercise and physical activity play a role in health and wellness and work on case studies to understand how treatment plans are developed.

Where?

Mercy University
Westchester Campus
555 Broadway
Dobbs Ferry, NY 10522

When?

Four Consecutive Saturdays:
February 28, March 7, 14 & 21, 2026
9:00 a.m. – 12:00 p.m.
\$309 per student for four sessions
(Snack included)

Scan to Register

Registration Deadline:
February 20, 2026

