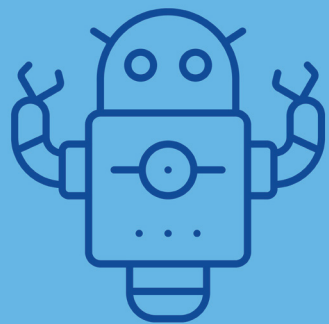




mercy.edu/stem-learning



SATURDAY STEM ACADEMY:
PROGRAMS FROM ELEMENTARY THROUGH HIGH SCHOOL



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.

Scan the QR code to register today!

Registration Deadline:
October 24, 2025



Where?

Mercy University
Westchester Campus
555 Broadway
Dobbs Ferry, NY 10522

When?

Four Consecutive Saturdays
November 1, 8, 15 & 22, 2025
9:00 a.m. - 12:00 p.m.
\$309 per student for four sessions
(Snack included)

Grades 1-2

Animal Engineers

Instructor: Melody Castiglia



Did you know that animals are nature's engineers? We will focus on beavers as first-class environmental engineers. We will build 3D beavers, research and design beaver lodges and dams with different building materials – and compare and contrast animal and human engineers. Come be a clever beaver with us!

Grades 3-4

Chemistreats: Food Fun Through Chemistry

Instructor: Carmen King



Did you know that Chemistry is the science behind many delicious food treats? Let's explore mixtures, solutions, chemical reactions and physical changes that will end up in a Chemistreat – a tasty treat that you can eat at the end of class! No heat required!

Grades 5-6

Drones at Large

Instructor: Jamie Rossi



Explore the future of technology with our exciting drone coding class! Learn to pilot drones using block coding techniques, design thrilling obstacle courses and program drones to complete exciting missions. Dive into debugging code to troubleshoot and improve your programs, and gain insights into the inner workings of drones by learning about their parts and how they fly. Learn about careers that use drone technology – that future might be yours.

Grades 7-8

Fast and Furious: Engineering a Fast Car

Instructor: Peta Gaye Morrison



Can you engineer a car to go fast using different power sources? Each week we will use exploration and design to use different materials for a car that will travel the farthest distance at the greatest velocity: a mouse-trap car, a solar-powered car, a rubber-band propelled car, and finally a Sphero Roll-and-Vertical-Rover (RVR) using coding skills.

Grades 9-12

Hacker High School – Cybersecurity Awareness for Teens!

Instructor:
Shabad Sood – Mercy University Faculty



Cybersecurity is the act of keeping information private, ranging from embarrassing baby photos and health records to national secrets, viewed by only the right people. This course will take you inside the world of cybersecurity. Discover why the internet is insecure and what motivates hackers to hack. Learn why you should be careful about what you post online, cybersecurity basics to protect your personal digital life and gain insights into the security challenges companies, governments and educational institutions face today.



To register for the Saturday STEM Academy, please visit: mercy.edu/stem-learning
or contact Mary Ushay: mushay@mercy.edu

Westchester Campus
555 Broadway
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914-674-7674

We acknowledge with thanks the generous sponsorship of The Sandpiper Fund.