

# UNDERGRADUATE RESEARCH

UMD has a strong focus on undergraduate research opportunities across disciplines, encompassing scientific experiments, literary explorations, creative projects, and other scholarly endeavors. These opportunities provide students with one-on-one experiences with faculty and encourage students to broaden the scope of their academic achievements beyond their typical coursework.

UMD houses an official Undergraduate Research Opportunities Program (UROP) that offers financial awards to full-time undergraduates, in addition to other opportunities students may choose to explore through the university and its associated organizations.

## 125

average number of student UROP projects supported per year

## \$220K

average dollars provided annually to support UROP student projects

## 114+

acres of local land set aside for university research and sustainability efforts



# UMD

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# STUDENT PROJECTS

All UMD students can get involved in research as undergraduates. Here are some recent examples:

## College of Education and Human Service Professions

- Kellsey ('19) examined how youth at neighborhood youth services perceived school over time.
- Jacob ('20) studied the impact of goal setting and mental imagery on track and field athlete performance, anxiety levels, and perceived confidence levels.

## College of Liberal Arts

- Visual Journalism students documented the history of Canal Park through story maps.
- Angelica ('20) explored the possibility for robots to convey a sense of morality.

## Labovitz School of Business and Economics

- Nazifa ('19) and her teammates participated in a data science competition to predict voter turnout for an upcoming election.

- Health Care Organization and Management students collaborated with St. Luke's Hospital to research best practices related to food insecurity in clinics.

## School of Fine Arts

- Will ('18) created an original music composition for UMD's theatre production of *Antigone* and wrote an original opera, entitled *Osseo: Son of the Evening Star*, which was performed through the UMD Opera Scenes program.
- Charles ('18) created an app that incorporates video game elements into language learning.

## Swenson College of Science and Engineering

- Kaija ('19) assisted with cancer research, and formulated chemical compounds for treatment drugs.
- Civil Engineering students produced and competed in a contest for testing precast/prestressed concrete beams.

The University's mission, carried out on multiple campuses and throughout the state, is threefold: research and discovery, teaching and learning, and outreach and public service. UMD is an equal opportunity educator and employer.



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