



WAYNE COUNTY COMMUNITY
COLLEGE DISTRICT

WCCCD STEM PROGRAMS



The Wayne County Community College District's (WCCCD) STEM Programs are designed to target and benefit highly motivated WCCCD students planning to pursue STEM careers and participate in the global Science, Technology, Engineering, and Mathematics fields within area industries. The programs are supported by faculty from diverse fields of science, technology, engineering and mathematics disciplines District-wide. Each scholar in the programs are required to complete a Research Method course, and will be provided a tablet, mentoring, focused career guidance, assistance with the university transfer process, professional skill workshops, and internship placement. The Scholars and Mentors are selected through a competitive application process.

GOAL

The goal of the STEM Programs are to provide participating students with an engaging, supportive environment to complete degrees and acquire skills that allow them to fully engage in the STEM economy within the region or in preparation to transfer to a tertiary institution of higher learning to pursue additional STEM research and training opportunities.

IMPLEMENTATION/OPERATION

The STEM Programs plan to enroll about 25 new scholars every year who have successfully completed a minimum of 12 WCCCD college credits and plan to transfer to a university in a STEM field. Scholars and mentors are selected through a competitive application process to be part of the STEM Programs. Each scholar in the programs are required to complete a Research Method course, and will be provided a tablet, mentoring, focused career guidance, assistance with the university transfer process, professional skill workshops, and internship placement.

SAMPLE STEM PROGRAMS

- Anesthesia Technology
- Clinical Laboratory Technologist
- Computer Information Systems
- Dental
- Medical Laboratory Technician
- Nursing
- Product Development And Prototyping
- Pre-Dental Hygienist
- Pre-Engineering
- Pre-Mortuary Science
- Pre-Nursing
- Pre-Physician Assistant
- Surgical Technology
- Pharmacy Technology

Research Opportunities for WCCCD STEM Scholars

SUMMER 2017 RESEARCH AT WCCCD:

An eight to nine week summer environmental water research project directed by WCCCD faculties from the chemistry and biology discipline. Students will be engaged in original research investigation activity resulting to a poster preparation and presentation at the end. All participants will receive stipends for their participation and completion of the summer research project.

SYMPOSIUM AT UNIVERSITY OF MICHIGAN:

An all-day weekend bus trip to University of Michigan, Ann Arbor on Saturday, April 8th to be a part of the one day symposium geared towards biomedical research opportunity exploration and undergraduate transfer potential and option for WCCCD science students. Bus will depart from one of the WCCCD campus in the morning and return back at the end of the day after the event.

SUMMER 2017 RESEARCH AT UNIVERSITY OF MICHIGAN:

A four-week residency research in biomedical sciences for three undergraduate students sponsored by the Center for Research on Learning and Teaching.

SUMMER 2018 MICUP RESEARCH OPPORTUNITY AT MTU:

An eight week summer laboratory research project directed by the Michigan Technological University faculties from the engineering, chemistry and biology discipline. Students will be engaged in original research investigation activity resulting to a poster preparation and presentation at the end. All participants will receive stipends for their participation and completion of the summer research project.

THE MICHIGAN COMMUNITY COLLEGE SUMMER RESEARCH FELLOWSHIP:

A program run through the University of Michigan that allows community college students to work on research projects with current U-M grad students and professors. The project, which runs from May through August, pays up to \$4,000. Students can apply to work in fields of social sciences, humanities and arts, engineering and physical sciences, health sciences, and natural and environmental sciences.

FALL 2017 MICUP BUS TRIP TO MTU:

A weekend trip to Michigan Technological University to explore and experience on campus life and undergraduate research opportunities at MTU.



STEM Symposiums



STEM Symposiums: Health Sciences



Inspire STEM Research Laboratory



WAYNE COUNTY COMMUNITY
COLLEGE DISTRICT



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