

Multicultural Apprenticeship Program (MAP)

July 8 – August 3, 2018

Audience

The 2018 Multicultural Apprenticeship Program (MAP) served 12 high school students all with a strong interest in the intersections of STEM, agriculture and natural resources. The group consisted primarily of women this year with the majority coming from Michigan. Other states represented included Georgia, Indiana, Texas and New York. Students were selected based on interest, application, and academic performance.

Funding

Students participate in MAP free of charge. The program is supported by the MSU College of Agriculture and Natural Resources. Students are responsible for providing their own transportation to and from MSU at the start and conclusion of the program.

Objectives

MAP aims to accomplish multiple objectives:

- To encourage program participants to graduate from high school.
- To prepare high school youth for success in post-secondary education.
- To expose students to majors and career opportunities in agriculture and natural resources.
- To assist in recruiting students from non-traditional backgrounds to fulfill career pipe-line needs in agriculture and natural resources.
- To ensure students understand the post-secondary application process.

Description

MAP is a four-week residential program emphasizing research experience for high school students in grades 10-11 who demonstrate academic talent and indicate a strong interest in science, agriculture, natural resources and related disciplines. MAP students are matched with CANR faculty members to work on a research project, whereby participants gain hands-on experience in a variety of laboratory and field research activities. Beyond hands-on research projects, participants have close interaction with program peers, faculty and professionals. Students participate in campus tours, interactive presentations and a variety of social, cultural and professional activities. Program admission is competitive and involves a selection committee that consists of faculty and staff from the College of Agriculture and Natural Resources.

Major and Career Areas of Emphasis

Beyond research experience, participants in the program gain exposure to the following majors in hopes of filling the need for critical masses of professionals addressing local,

state and global ANR issues and challenges: Agribusiness Management, Food Industry Management, Environmental Economics and Policy, Animal Science, Biosystems and Agriculture Engineering, Community Sustainability, Entomology, Fisheries and Wildlife, Food Science and Human Nutrition, Forestry, Horticulture, Packaging, Planning, Design and Construction and Fields of Plant, Soil and Microbial Science.

Outcomes

Participants complete a pre and post-evaluation at the beginning and end of the program. Below is a breakdown of some of the key findings following the completion of the post-evaluation.

100% of participants strongly agree or agree they plan to attend college.

100% of participants strongly agree or agree they will attend college the semester after graduating high school.

100% of participants strongly agree or agree MSU is one of the colleges or universities they will apply to or have already applied to.

100% of participants strongly agree or agree they know the process of applying to college. **(10% increase from the 2017 cohort)**

100% of participants strongly agree or agree MAP better prepared them to attend college.

100% of participants strongly agree or agree MSU faculty/staff/students provided a positive impression of college.

100% of participants strongly agree or agree there are many different types of career in agriculture and natural resources.

100% of participants strongly agree or agree there is much to learn about agriculture and natural resources.

91% of participants strongly agree or agree a CANR major is being considered.

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