

## NATURAL RESOURCES & AGRISCIENCE CAREER PATHWAY

Careers in this pathway are related to agriculture, the environment and natural resources. These include agricultural sciences, earth sciences, environmental sciences, fisheries, forestry, horticulture and wildlife.

### TRANSFER PROGRAMS

The first two years of college education usually consists of general education courses, introductory courses in a major and/or program of study, and selected electives. Refer to pages 35 for additional information on transfer and MACRAO. Academic advisors assist in planning a student's transfer program. They can also provide transfer guide sheets indicating courses that meet the requirements of various programs of study at four-year colleges. Sample curricula for a few popular transfer programs are included.

- Biology
- Mathematics

### BIOLOGY

Biology, the study of living organisms, is an exciting, dynamic field that offers the opportunity to study and explore animals, plants and bacteria under a wide range of conditions in the laboratory and outdoors. Biologists work in such widely varying areas as medicine, crop improvement, wildlife management, forensics, toxic waste management, environmental preservation and education.

#### SUGGESTED COURSE SEQUENCE FOR BIOLOGY MAJORS

##### First Year, Fall Semester

BIO 131, CEM 141, MTH 140, ENG 131

##### First Year, Winter Semester

BIO 152, CEM 142, MTH 151\*, ENG 132

##### First Year, Spring Semester

MACRAO Social Science and Humanities courses

##### Second Year, Fall Semester

BIO 151, CEM 241, PHY 231, CPS 175\*

##### Second Year, Winter Semester

CEM 242, PHY 232, MACRAO Social Science and Humanities courses

*\*Not required by all transfer institutions.*

### MATHEMATICS

Students interested in the field of mathematics may major in mathematics or statistics. Mathematics majors find careers in applied mathematics and education. Statistics majors work in such areas as computer science, management, and accounting.

#### SUGGESTED COURSE SEQUENCE FOR MATHEMATICS

##### First Year, Fall Semester

ENG 131, MTH 151, CPS 175\*, PSY 140

##### First Year, Winter Semester

ENG 132, MTH 154, MTH 133\*\*, CPS 177, ECN 231

##### Second Year, Fall Semester

MTH 251, PHY 251, PHL 231, MACRAO Social Science course

##### Second Year, Winter Semester

MTH 254, PHY 252, MACRAO Humanities courses

*\*Not required but recommended to prepare for CPS 177*

*\*\*MSU students should register for PSY 143*