



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 page 37 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, ENG 131, MTH 140

First Year, Winter Semester

BIO 232, CEM 142, ENG 132, MTH 151*

First Year, Spring Semester

MACRAO social science and humanities courses

Second Year, Fall Semester

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

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

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

First Year, Winter Semester

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

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*

MILITARY SCIENCE (ROTC)

Jackson Community College (JCC) students may participate in Reserve Officer Training Corps (ROTC) during their tenure at JCC. Students may complete their first two years of the four-year program while students at JCC. Students transferring to a four-year institution and completing the ROTC program requirements will receive an officer commission upon graduation.

Students must take all of the following courses unless granted advanced placement while at JCC:

MSL 101 Foundations of Officership (2 credits)

MSL 102 Basic Leadership (2 credits)

MSL 201 Individual Leadership Studies (2 credits)

MSL 202 Leadership and Teamwork (2 credits)

Students wishing further information about the ROTC programs by contacting:

Department of Military Science

Eastern Michigan University

18 Roosevelt Hall

Ypsilanti, MI 48197

734.487.1020