

MC-EA Major in Educational Studies
General Science Minor (Middle Childhood-Early Adolescence) (26 credits)

Description

The General science minor provides teacher candidates with a broad exposure and study of the fields associated with science education. Candidates take courses from a variety of departments to investigate areas including biology, chemistry, earth science, and physics. Candidates also investigate what it means to be a leader in elementary and middle level science education.

The following core courses must be completed (one from each area): (23-24 credits)

BIO 103 Introductory Biology (4) or BIO 105 General Biology (4)
CHM 100 Contemporary Chemistry (4) or CHM 103 General Chemistry I (5)
C-I 461 Leadership for Elementary/Middle Science Education (3)
ESC 101 Earth Environments (4)
PHY 106 Physical Science for Educators (4) or PHY 103 Fundamental Physics (4) or PHY 125 Physics for the Life Sciences (4)
PHY/AST 155 Solar System Astronomy (4) or PHY/AST 160 Stars & Galaxies (4)

Electives to reach a minimum of 26 credits:

BIO 203 Organismal Biology (4)
BIO 210 Animal Biology (4)
BIO 307 Ecology (3)
CHM 104 General Chemistry II (5)
CHM 250 Introduction to Organic and Biochemistry (3)
ESC 211 Global Warming and Climate Change (3)
ESC 221 Introduction to Climate Systems (4)
ESC 222 Landforms: Process and Regions (4)
ESC 422 Meteorology and Weather Forecasting (3)
ENV 201 Introduction to Environmental Studies (3)
MIC 230 Fundamentals of Microbiology (4)
PHY 104 Fundamental Physics II (4)
PHY 142 Navigating Global Nuclear Issues (3)
PHY 250 Modern Physics (3)