

Murray State College
Tishomingo and Ardmore

Pre-Professional - Pre-Optometry Emphasis

PROGRAM REQUIREMENTS

	Credit Hours
GENERAL EDUCATION	38
EFFECTIVE COMMUNICATION (9 Hours)	
ENG1113 English Composition I	3
ENG1213 English Composition II	3
SPC1113 Fundamentals of Speech.....	3
HISTORY AND POLITICAL AWARENESS (6 Hours)	
HST1483 US History to 1877 (or)	3
HST1493 US History since 1877	3
GVT1113 American Federal Government	3
CRITICAL THINKING (8 Hours)	
PHY1114 General Physics I	4
BIO1404 Principles of Biology.....	4
QUANTITATIVE REASONING (3 Hours)	
MTH1613 Plane Trigonometry (or).....	3
MTH1513 College Algebra	3
CULTURAL AND GLOBAL EDUCATION (6 Hours)	
CON2113 Rainforest Ecology (or)	3
Any general education humanities course	3
Any general education ART course	3
(See listing of acceptable courses in the college catalog)	
COMPUTER PROFICIENCY (3 Hours)	
CIS 1113 Computer Applications	3
(or displayed proficiency)	
SOCIAL AND BEHAVIORAL SCIENCE (3 Hours)	
PSY1113 Introduction to Psychology	3
ACADEMIC SUCCESS (1 Hour, if applicable)	
ORI 1011 New Student Orientation.....	3
PRE-OPTOMETRY REQUIREMENTS	12
CHM1114 General Chemistry I	4
CHM1214 General Chemistry II	4
ZOO1114 General Zoology	4
Substitutions may be made with Department Chair approval.	
PRE-OPTOMETRY ELECTIVES	10
AP 2124 Anatomy and Physiology I	4
AP 2134 Anatomy and Physiology II	4
CHM2345 Intro. to Organic Chemistry	5
MTH 1613 Plane Trigonometry (or).....	3
MTH2143 Brief Calculus	3
PHY1214 General Physics II.....	4
SL 1111 Volunteerism (or)	1
CON 2911 Conservation Volunteerism	1
TOTAL CREDIT HOURS	60
HEALTH, WELLNESS, & HUMAN PERFORMANCE	
HWP Personal Health, First Aid, or Activity.....	2
Courses (i.e., Swimming, Bowling Golf, Tennis, Dance, Weight Training, Walking/Jogging, Women's Fitness, etc.).	
MSC TOTAL CREDIT HOURS REQUIRED	62

SUGGESTED COURSE SEQUENCE

	Credit Hours
FIRST SEMESTER	
ENG1113 English Composition I	3
CIS1113 Computer Applications	3
MTH1613 Plane Trigonometry	3
PHY1114 General Physics I	4
HWP1112 Personal Health	2
SECOND SEMESTER	
ENG1213 English Composition II	3
CHM1114 General Chemistry I	4
PHY1214 General Physics II	4
ZOO1114 General Zoology	4
SL1111 Volunteerism	1
THIRD SEMESTER	
PSY1113 Introduction to Psychology	3
GVT1113 American Government.....	3
AP2124 Anatomy and Physiology I.....	4
CHM1214 General Chemistry II	4
SL1111 Volunteerism	1
FOURTH SEMESTER	
ART elective	3
SPC1113 Fundamentals of Speech.....	3
HST1483 American History to 1877	3
AP2134 Anatomy and Physiology II.....	4
CON2113 Rainforest Ecology (or)	3
HUM Elective	3

PROGRAM OVERVIEW

This pre-professional program prepares the student to enter a program in Dentistry, Medicine, or Optometry. The diversity of requirements for individual programs requires that students consult with an advisor at Murray State College, the Chair of the Science Department and the program that they plan to attend after graduation.

CAREER OPPORTUNITIES

- Dentist
- Medical Doctor
- Optometrist

The above list is a suggested course sequence only. Students may, with guidance from their Graduation Advisor, make changes to the course sequence. Students should be aware that changes to the course sequence may require more than four semesters to complete their Associate's Degree.

GENERAL COLLEGE PREPARATORY REQUIREMENTS

MSC evaluates students for placement into either transitional or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by ACT test scores or by COMPASS test scores. These tests are administered in the Testing Centers at MSC Tishomingo or UCSO Ardmore. Based upon the scores, some or all of the following seven (7) courses may need to be taken:

MTH 0103 Introductory Math
MTH 0303 Beginning Algebra

MTH 0403 Intermediate Algebra
SCI 0103 Basic Science

ENG 0303 Basic English I
ENG 0403 Basic English II

ENG 0103 Reading I
2015-2016 Catalog