In addition to earning the specific degree, students who complete one of the occupational degree programs will have the program designation entered on their transcript along with the degree.

Specific program outlines which reflect a high level of specialization are listed elsewhere in this catalog. Deviation from degree requirements or from a specified program may be made only with approval of the division dean, the vice president of instruction or their designee.

GENERAL EDUCATION

General education unites students from diverse areas of study in the pursuit of knowledge that community college graduates should possess. At Monroe County Community College, general education courses are the foundation of each certificate program of substantial length (45 or more credit hours) and of each associate degree (60 or more credit hours). To earn a certificate of substantial length or an associate degree from MCCC, students must demonstrate competency in each of the five general education areas:

- **Written Communication**: Graduates will communicate ideas and information in writing using the rules of standard American English.
- **Mathematics**: Graduates will accurately apply appropriate mathematical approaches to the analysis and interpretation of numerical information.
- **Social Science**: Graduates will demonstrate understanding of social science concepts.
- **Science**: Graduates will demonstrate understanding of the processes of scientific inquiry.
- **Computer Skills**: Graduates will use computer technology to retrieve and communicate information. The competency may be demonstrated by successfully completing an approved course or by demonstrating competency on a designated examination.

Students must complete, at the minimum, the general education coursework or the standardized tests and skills assessments described below. Some degree programs require specific or additional general education courses.

**Written Communication**

Complete one course (three credits) from the following:

- ENGL 101 Written and Oral Communication
- ENGL 151 English Composition I
Mathematics
Complete one course (minimum of three credits) from the following:
Any MATH course numbered 121 or higher
BSMTH 101 Business Mathematics
OR
Achieve a satisfactory score on a standardized mathematics test.
NOTE: Students who meet the mathematics requirement by achieving a satisfactory standardized test score do not receive academic credit and may need to earn additional credit to meet degree requirements.

Social Science
POLSC 151 Introduction to Political Science

Science
Complete one course (minimum of four credits) from the following:
ASTRN 151 (Introduction to Astronomy)
BIOL 151 (Biological Science I)
BIOL 154 (Introduction to Environmental Science)
BIOL 155 (Allied Health Anatomy and Physiology I)
BIOL 157 (Anatomy and Physiology I)
CHEM 150 (Fundamental Principles of Chemistry)
CHEM 151 (General College Chemistry I)
CHEM 160 (Fundamentals of Health Science Chemistry)
ESC 151 (Earth Science)
GEOG 151 (Elements of Physical Geography)
PHY 101 (Technical Physics)
PHY 151 (General Physics I)
PHY 251 (Engineering Physics I)
PHYSCL 151 (Physical Science)

Computer Skills
Complete one course (minimum of two credits) from the following:
CIS 130 Introduction to Computer Information Systems
MDTC 160 Mechanical Drafting and CAD I
WPR 102 Word Processing I
WPR 110 Personal Word Processing
OR
Achieve a satisfactory score on the Computer Skills Assessment.

NOTE: Students who meet the computer skills requirement by achieving a satisfactory skills assessment score do not receive academic credit and may need to earn additional credit to meet degree requirements.

DEGREE REQUIREMENTS

Requirements for the Associate of Arts Degree
To earn the associate of arts degree, the student must successfully complete courses from the following areas to meet the minimum general education distribution requirements:

Written Communication – 6 Semester Hours
To meet this distribution requirement, the student must successfully complete English 151 and one additional course selected from English 102, 152, 155 or 254.

Mathematics and/or Science* – 8 Semester Hours
To meet this distribution requirement, the student must:
1. Successfully complete courses selected from two or more of the following subjects:
   Astronomy, biology, chemistry, earth science, mathematics, Geography 151, physical science or physics.
2. Pass the Mathematics Assessment or successfully complete at least three semester hours of mathematics from courses numbered MATH 121 or higher.

Social Science – 8 Semester Hours
To meet this distribution requirement, the student must successfully complete Political Science 151 and additional courses selected from two different subject areas listed below:
   Anthropology, economics, geography (except Geography 151), history, political science (except Political Science 151), psychology, social work or sociology.

Computer Skills
To meet this distribution requirement, the student must successfully complete one course selected from CIS 130, MDTC 160, WPR 102 or WPR 110 or achieve a satisfactory score on the Computer Skills Assessment.

Humanities – 9 Semester Hours
To meet this distribution requirement, the student must successfully complete courses selected from two different subject areas listed below:
   Art, communications, English (excluding English 101 and English courses taken to meet written communications requirements), humanities, journalism, music, philosophy, speech or theater.
Humanities – 3 Semester Hours
To meet this distribution requirement, the student must successfully complete one course selected from the subjects listed below:
Art, communications, English (251 or higher, excluding 254 and 261), foreign language, humanities, journalism, music, philosophy, speech or theater.

* It is strongly recommended that students select a science course with a scheduled laboratory period.

Requirements for the Associate of Applied Science Degree
To earn the associate of applied science degree, the student must successfully complete courses from the following areas to meet the minimum general education distribution requirements:

Written Communication – 3 Semester Hours
To meet this distribution requirement, the student must successfully complete English 1 or 5.

Mathematics
To meet this distribution requirement, the student must successfully complete one MATH course numbered 121 or higher or BSMTH 101 or achieve a satisfactory score on an achievement test.

INDUSTRIAL TECHNOLOGY STUDENTS – MATH 121 and 124 (Technical Mathematics I and II) are recommended for students whose goal is to complete the associate of applied science degree and seek employment. MATH 157 (College Algebra) and MATH 159 (Trigonometry and Analytical Geometry) are recommended for students interested in transferring to a four-year institution. Other MATH courses may be selected for transfer depending on the student’s choice of transfer institution. Students interested in transfer are encouraged to seek the assistance of a faculty advisor or admissions counselor.

Social Science – 9 Semester Hours
To meet this distribution requirement, the student must successfully complete Political Science 151 and additional courses selected from two different subject areas listed below:
Anthropology, economics, geography (except 151), history, political science (except 151), psychology, social work or sociology.

Computer Skills
To meet this distribution requirement, the student must successfully complete one course selected from CIS 130, MDTC 160, WPR 102 or WPR 110 or achieve a satisfactory score on the Computer Skills Assessment.
Science* – 4 Semester Hours
To meet this distribution requirement, the student must successfully complete one course selected from the subjects listed below:
- Astronomy 151
- Biology 151, 154, 155 or 157
- Chemistry 150, 151 or 160
- Earth Science 151
- Geography 151
- Physical Science 151
- or Physics 101, 151 or 251.

Computer Skills
To meet this distribution requirement, the student must successfully complete one course selected from CIS 130, MDTC 160, WPR 102, WPR 110 or achieve a satisfactory score on the Computer Skills Assessment.

Technical and Specialty Areas – 32 Semester Hours
Deviation from a specified program may be made only with approval of the division dean, vice president of instruction or their designees.

Apprenticeship Training
A maximum of 32 credits for apprentice training completion may be awarded toward required coursework for the associate degree. Students interested in applying apprentice training toward credit for this degree need to produce documentation of successful completion of the apprenticeship training through the following:
1) Authenticated or official copies of completion certificate, and
2) Transcripts of courses completed toward fulfillment of the apprentice training that clearly show course names and titles, where available.

Requirements for the
Associate of Fine Arts Degree
To earn the associate of fine arts degree, the student must successfully complete courses from the following areas to meet the minimum general education distribution requirements:

Written Communication – 3 Semester Hours
To meet this distribution requirement, the student must successfully complete English 101 or 151.

Mathematics
To meet this distribution requirement, the student must successfully complete one MATH course numbered 121 or higher or BSMTH 101, or achieve a satisfactory score on an achievement test.

Social Science – 6 Semester Hours
To meet this distribution requirement, the student must successfully complete Political Science 151 and one additional course selected from the subject areas listed below:
- Anthropology, economics, geography (except 151), history, political science (except 151), psychology, social work or sociology.

*It is strongly recommended that students select a science course with a scheduled laboratory period.