TRANSFER OPTIONS

TRANSFER AND PRE-PROFESSIONAL OPTIONS

The university parallel and pre-professional programs are designed for the students who will eventually finish their education at a four-year college or university. Credits earned in the parallel or pre-professional programs are generally transferable to four-year colleges and universities if the credits meet the following criteria:

1. Satisfactory grades. Grades of "C" or better are necessary for a student to transfer the course to most colleges or universities.
2. Proper selection of courses. A student must select courses designed for college transfer which are consistent with the requirements of the school to which the student plans to transfer. Since no two schools have identical requirements, students should consult with their faculty advisor or counselor to discuss any questions regarding specific programs.

Students following a transfer guide provided by a particular four-year college can complete the first two years of a baccalaureate program at MCCC. In addition, students fulfilling appropriate graduation requirements of Monroe County Community College will be eligible to receive an associate degree.

GENERAL EDUCATION TRANSFER DISTRIBUTION REQUIREMENTS

Four-year colleges and universities have university-wide requirements called "general education core curriculum." Usually, colleges and universities expect most of these requirements to be met during the first two years of a four-year program of study. Colleges within a university may also have general education requirements beyond the university-wide requirements. Usually, these requirements can be met at Monroe County Community College.

Students who attend MCCC prior to transferring to a four-year college or university will be taking courses at MCCC recommended by the specific four-year college where they intend to receive a bachelor's degree (four-year degree).

PRE-PROFESSIONAL PROGRAMS

The courses offered by the Humanities/Social Science Division and Science/Mathematics Division may be transferred to a four-year college or university. These courses and sequences can be used to meet specific program requirements in areas such as pre-professional programs in architecture, biology, chiropractic, computer science, education (elementary, secondary and special), chemistry, criminal justice, engineering, journalism, law, mathematics, medicine, mortuary science, nursing, occupational therapy, optometry, pharmacy, physics, psychology, social work and veterinary medicine. These courses and sequences are also used to fulfill general education distribution requirements at four-year colleges and universities. Some of the courses and sequences offered by the Business, Health Sciences, and Applied Science and Engineering Technology divisions may also transfer to specialized programs at four-year colleges and universities in accounting, business administration, engineering technology and nursing.

First- and second-year, college-level courses and sequences in the following disciplines are frequently taken for transfer credit: accounting, art, astronomy, biology, business administration, business law, business management, chemistry, computer information systems, drama, earth science, economics, engineering drawing, English composition, foreign language, geography, history, humanities, journalism, literature, mathematics, music, philosophy, physics, physical science, political science, psychology, sociology and social work.

PRE-EDUCATION PROGRAMS

One of the transfer programs at MCCC leads to a degree in education. Students interested in elementary education are able to transfer a large number of introductory courses such as English composition, history, mathematics, political science, science and speech. This program also contains art, literature, mathematics and music courses, which are specifically geared to students planning a degree in elementary education at a four-year institution.

Those interested in teaching at the secondary level also have many classes available for transfer. Classes in art, English composition, dramatic arts, history, literature, mathematics, philosophy, political science, psychology, science, sociology and speech are frequently taken for transfer credit.

Students interested in special education may take transfer classes whether they are interested in a secondary education endorsement or an elementary education endorsement. Students may also specialize in health education and may take courses at MCCC that transfer for health education. MCCC also offers a class (EDUC 151, Exploring Teaching) that fulfills the pre-teaching requirement of many four-year institutions.

PRE-ENGINEERING PROGRAMS

The recommended engineering transfer program should enable the student to transfer to any of the engineering colleges in the state with a very favorable situation for transfer credit and choice of specific engineering program. It is advisable for an engineering student to make a choice of an engineering college and a specific curriculum as soon as possible, consult with their faculty advisor and follow transfer guides available on the MCCC website.

The recommended engineering transfer program includes:

- 4 or 5 semesters of mathematics through MATH 273 (Introduction to Differential Equations)
- 2 semesters of calculus-based physics
- 2 semesters of chemistry (4 semesters for chemical engineering majors)
- 2 semesters of English (composition and literature)
- 2 semesters of humanities (art, communication, journalism, music, philosophy, speech)
- 2 semesters of social science (anthropology, history, economics, geography, political science, psychology, sociology and social work)

Many engineering programs have a specific requirement of ECON 252 (Principles of Microeconomics).

Coursework may also be required in the following areas depending upon the college and engineering degree program the student chooses: drafting, computer aided design, structured programming, linear algebra, statistics, biological sciences and business administration.

HUMANITIES/SOCIAL SCIENCE PROGRAMS

In addition to fulfilling the humanities and social science general education distribution requirements at four-year colleges and universities, humanities and social science courses may be transferred as components of a baccalaureate degree program in fields such as anthropology, art, communication, education, English language and literature, foreign language, history, journalism, police administration/law enforcement, political science, pre-law, psychology, social work and sociology. Humanities and social science classes which are most frequently taken for transfer credit are courses in English composition, history, literature, political science, psychology, sociology and speech. Depending on the student's program and the requirements of the four-year college or university, courses in art, anthropology, dance, dramatic arts, foreign language, geography, journalism, philosophy and social work are also offered for transfer credit.

CRIMINAL JUSTICE PROGRAM

This program prepares MCCC graduates for positions in law enforcement that require an associate of applied science degree. Check with your advisor and planned transfer schools for more details about transferring.

PRE-HEALTH PROFESSIONS

Students desiring to enter professional health careers such as chiropractic, dentistry, medicine, pharmacy and veterinary medicine typically can transfer coursework in the following areas to four-year colleges and universities:

4 semesters of chemistry (general and organic, including laboratory)
2 semesters of biology
2 semesters of physics
2 semesters of mathematics
2 semesters of English language and literature
2 semesters of humanities (art, communication, journalism, music, philosophy, speech)
2 semesters of social science (anthropology, history, economics, geography, political science, psychology, sociology and social work)

HEALTH OCCUPATIONS PROGRAMS

Students interested in health occupations may select a health program of study at MCCC or take preparatory work here that will transfer to four-year colleges or universities.

Students who complete an associate degree in nursing or respiratory therapy may also wish to pursue a bachelor's degree. As a registered nurse, for example, students have several options for bachelor of science in nursing completion programs available in southeast Michigan and northwest Ohio. Students should talk to a faculty advisor for details.

PRE-BUSINESS ADMINISTRATION PROGRAMS

Students who wish to pursue four-year degrees in business administration may begin their education at MCCC. Transfer students may choose a variety of options for completing their first two years of study toward a bachelor of business administration degree. When pursuing any of these options, students should consult with an MCCC counselor or advisor and the institution they intend to transfer to when deciding which courses to take. The suggested options for transfer students include:

- Pursue an associate of science degree and include business and pre-business electives
- Pursue an associate of arts degree and include business and pre-business electives
- Pursue an associate of applied science degree in the business management program. (See the business management program for details.)
- Pursue a bachelor's degree with Siena Heights University, taking up to 90 credits at MCCC
- Select and complete classes that transfer to the four-year college or university of choice (do not pursue an associate degree)

All students who wish to earn an associate degree must complete the general requirements for graduation and meet specific degree requirements.

TYPICAL BUSINESS/PRE-BUSINESS ELECTIVES

(These courses may also be required for some programs.)

BUSAD 151 Introduction to Business
CIS 130 Introduction to Computer Information Systems
ACCTG 151 Accounting Principles
ACCTG 152 Accounting Principles
ACCTG 252 Cost Accounting
BMGT 201 Principles of Management
BSLW 251 Business Law
ECON 251 Principles of Macroeconomics
ECON 252 Principles of Microeconomics
MATH 162 Introduction to Statistics
MATH 171 Calculus I
MCOM 201 Principles of Marketing

Other MCCC accounting, business and management courses may transfer to some four-year institutions. Students should contact their prospective four-year institutions before registering for elective classes at MCCC.

COMPUTER SCIENCE

Students interested in pursuing a bachelor's degree in computer science may earn an associate degree at MCCC and then transfer to a four-year institution. Students have the opportunity to take courses leading to an associate of science degree which could include various computer science courses, or they may take courses leading to the associate of applied science in computer information systems. Either of these will prepare the student to transfer to a four-year institution. MCCC has signed transfer agreements with the University of Michigan, Dearborn and Eastern Michigan University which indicate specific MCCC courses that transfer directly into the bachelor of science or bachelor of business administration in computer science. Students should seek assistance from a counselor or an academic advisor in the CIS program.

APPLIED SCIENCE AND ENGINEERING TECHNOLOGY PROGRAMS

Although applied science and engineering technology programs are designed as career programs for entry into jobs after the completion of a certificate or associate degree, Monroe County Community College has transfer agreements with several universities. The University of Toledo, Wayne State University, Eastern Michigan University, Ferris State University, Lawrence Technological University, Michigan Technological University and Siena Heights University allow direct transfer of several of MCCC's two-year applied science and engineering technology programs.

Many MCCC graduates earn a bachelor of engineering technology degree after receiving an associate of applied science degree from MCCC. Some students use their technical credits earned at MCCC as their area major in teacher education programs.

APPRENTICESHIP TRAINING

In conjunction with the U.S. Department of Labor, Bureau of Apprenticeship and Training, apprenticeship training is available in such trades as electrician, machine repair, machinist, millwright, diemaker and welder. All of these programs can be tailored to meet the needs of individual companies. College representatives, in discussion with local employers, can design unique programs of study to suit a particular industry.

ON-CAMPUS UNIVERSITY OPTIONS

For students who plan to transfer to a four-year university, a high-quality MCCC education is a positive, low-cost stepping stone to completing a baccalaureate degree.

Our counselors and faculty advisors will help you select the proper courses for your desired area of study and the four-year institution where you intend to obtain your bachelor's degree. MCCC maintains numerous bachelor's degree completion agreements with four-year universities in our area.

In addition, two four-year universities have locations at MCCC.

- Siena Heights University offers a variety of its degree programs on MCCC's Main Campus, including bachelor's degrees in business administration, accounting, psychology, applied Science, multidisciplinary studies, RN-BSN and professional communication, as well as master's degrees in health care leadership, organizational leadership and higher education leadership. For more information, call 734.384.4133 or visit the office in Room L 112 on Main Campus.
- Spring Arbor University's Metro-Toledo site is located at MCCC's Whitman Center location in Temperance. Spring Arbor offers bachelor degrees in social work, nursing and business as well as master's degrees in social work and counseling on-site at the Whitman Center. The university also offers master's degrees in nursing, business and education online. For more information, call 734.854.6100 or visit the office at the Whitman Center.

MICHIGAN TRANSFER AGREEMENT

In 2012, the Michigan legislature included language in the community college appropriations bill calling for improvement in the transferability of college courses between Michigan colleges and universities. The Michigan Transfer Agreement was created in an effort to increase the transferability of lower-level general education courses across all Michigan's public institutions. To fulfill the Michigan Transfer Agreement, students must successfully complete at least 30 credits, with at least a 2.0 in each course. These credits should be met according to the following distribution:

- 1 course in English composition
- A second course in English composition or 1 course in communications
- 1 course in one of the following mathematics pathways: College algebra or statistics or quantitative reasoning or an upper level course in one of these subject areas
- 2 courses in social science (from two disciplines)
- 2 courses in humanities and fine arts (from two disciplines and excluding studio and performance classes)
- 2 courses in natural sciences including one with laboratory experience (from two disciplines)

If these courses do not add up to 30 credit hours, the student must take an additional course from one of these groups. One of the above courses must be completed at Monroe County Community College.

Visit the college's website for a current list of courses that will meet the MTA requirements.

BACHELOR'S DEGREE COMPLETION AGREEMENTS

Please be aware that this information changes frequently. For up-to-date listings, please visit the Transfer Information Center on the MCCC website.

2 + 2 and 3 + 1 Agreements

Monroe County Community College has developed articulation agreements with a number of four-year colleges and universities. These agreements (sometimes called bachelor's degree completion agreements) provide students who are pursuing one of Monroe County Community College's specific, two-year associate degree programs an opportunity to continue their studies and complete the requirements for a baccalaureate degree. The 2 + 2 agreements provide that the student will be able to transfer a minimum of 60 semester credit hours from one of Monroe County Community College's associate degree programs toward selected bachelor's degree programs at the four-year institution. The 3 + 1 agreements are similar but give students the opportunity to

transfer more than 60 credits of MCCC coursework for specified degree programs at four-year institutions. Students interested in transferring credits earned at MCCC should consult with the institution to which they are transferring.

Students interested in obtaining specific information regarding any of the special programs should contact a counselor in the Monroe County Community College Admissions and Guidance Office.

JOINT PROGRAMS

Monroe County Community College has cooperative agreements allowing students to complete components of certain programs at the college and the remainder of these programs at participating community colleges. Such agreements exist in the following areas:

- **Criminal Justice: Law Enforcement Option**
  Qualified students may enroll in a state-approved police academy through Schoolcraft College or other accredited colleges. (See the criminal justice/law enforcement program.) For additional information, contact the dean of humanities/social sciences.

- **Agri-business and Agricultural Operations Options**
  Michigan State University and MCCC have partnered together to offer students an opportunity to earn a certificate and an associate of applied science in agriculture or a certificate and an associate degree of applied science in agri-business. The certificates, awarded by MSU, will include 34 credits of agriculture-oriented courses through the Institute of Agricultural Technology. Combining those credits with a minimum of 26 additional credits from MCCC to total 60 credits (for agricultural operations) or 28-29 additional credits to total 62-63 credits (for agri-business) will result in an associate of applied science degree. Students wishing to work toward a bachelor's degree may receive preferred transfer status at Michigan State University after earning the associate degree at MCCC.

TRANSFER PATHWAYS

Biological Sciences Transfer Pathway

The following are course recommendations for students who plan on transferring to a four-year college or university to pursue a bachelor's degree in biology or related fields.

Recommended Courses

1st Semester

BIOL 151	Biological Sciences I	4 credits
ENGL 151	English Composition I	3 credits
MATH 157	College Algebra[1]	3 credits
CHEM 151	General College Chemistry I	4 credits
_____	Computer Skills Elective [2]	3 credits
		17 credits

2nd Semester

BIOL 153	Biological Sciences II	4 credits
_____	Social Sciences Elective	3 credits
ENGL 152	English Composition II	3 credits
MATH 159	Trigonometry & Analytical Geometry[1]	3 credits
CHEM 152	General College Chemistry II	4 credits
		17 credits

3rd Semester

BIOL _____	Biology Elective[3]	4 credits
CHEM 251	Organic Chemistry I[4]	4 credits
MATH 171	Calculus I	4 credits
_____	Social Science Elective	3 credits
		15 credits

4th Semester

CHEM 252	Organic Chemistry II[4]	4 credits
BIOL _____	Biology Elective[3]	4 credits
_____	Social Science Elective	3 credits
_____	Humanities Elective	3 credits
		14 credits

(Total = 60 – 63 credits)

[1] May take MATH 164 (Precalculus) in place of MATH 157 (College Algebra) and MATH 159 (Trigonometry & Analytical Geometry).
[2] See the computer skills alternatives listed in college catalog.
[3] Choose from BIOL 156 (Introduction to Environmental Science), BIOL 251 (Elements of Botany), BIOL 252 (Elements of Zoology), BIOL 260 (General Microbiology), BIOL 264 (Fundamentals of Genetics).
[4] May take PHY 151 (General Physics I) and PHY 152 (General Physics II) in place of CHEM 251 (Organic Chemistry I) and CHEM 252 (Organic Chemistry II to be completed as required at transfer school)

Chemistry Transfer Pathway

The following are course recommendations for students who plan on transferring to a four-year college or university to pursue a bachelor's degree in chemistry or related fields.

Recommended Courses

1st Semester

CHEM 151	General College Chemistry I	4 credits
ENGL 151	English Composition I	3 credits
MATH 171	Calculus I	4 credits
_____	Computer Skills Elective[1]	3 credits
		14 credits

2nd Semester

CHEM 152	General College Chemistry II	4 credits
ENGL 152	English Composition II	3 credits
MATH 172	Calculus II	4 credits
_____	Social Science Elective	3 credits
		14 credits

3rd Semester

CHEM 251	Organic Chemistry I	4 credits
PHY 151/251	General or Engineering Physics I	4 – 5 credits
BIOL _____	Biology Elective	4 credits
MATH 271	Calculus III	4 credits
		16 – 17 credits

4th Semester

CHEM 252	Organic Chemistry II	4 credits
PHY 152/252	General or Engineering Physics II	4 – 5 credits
_____	Social Science Elective	3 credits
_____	Social Science Elective	3 credits
_____	Humanities Elective	3 credits
		17 – 18 credits

(Total = 61 – 63 credits)

[1] See the computer skills alternatives listed in the college catalog.

Transfer Information:

Transfer Institutions may require different courses for this transfer program. Students should tailor their MCCC program as closely as possible to the requirements at their four-year school of choice. Meet with an Enrollment Services representative for more information.

Prerequisites:

All students should check for prerequisites for a class before registering. Prerequisites can be found at www.monroeccc.edu.

Elementary Education Transfer Pathway

The following are course recommendations for students who plan on transferring to a four-year college or university to pursue a bachelor's degree in elementary education or other related field.

Recommended Courses

1st Semester

ENGL 151	English Composition I	3 credits
MATH 156	Math for Elementary Teachers I	3 credits
ECE 102	Child Growth and Development[1]	3 credits
_____	Science Elective[2]	4 credits
		13 credits

2nd Semester

ENGL 152	English Composition II	3 credits
MATH 166	Math for Elementary Teachers II	3 credits
ECE 108	Care and Learning of Infants/Toddlers[1]	4 credits
EDUC 151	Exploring Teaching	3 credits
_____	Computer Skills Elective[2]	3 – 4 credits
		16 – 17 credits

3rd Semester

ENGL 256	Children's Literature	3 credits
EDUC 158	Art for Elementary Teachers	3 credits
ECE 110	Diverse Populations in ECE[1]	3 credits
POLSC 151	Introduction to Political Science	3 credits
_____	Elective[1]	3 credits
		15 credits

4th Semester

EDUC 165	Music for Classroom Teachers	3 credits
GEOG 152	World Regional Geography	3 credits
SPCH 151	Communication Fundamentals	3 credits
HIST 154	History of the U.S.: 1607-1877	3 credits
_____	Elective[1]	3 credits
		15 credits

(Total = 60 credits)

[1] Additional requirements for early childhood education comprehensive major. If comprehensive major is in another academic area ,please consult with the four-year institution for additional courses for this transfer pathway.

[2] See the science and computer skills alternatives listed in college catalog.

General Engineering Transfer Pathway

The following are course recommendations for students who plan on transferring to a four-year college or university to pursue a bachelor's degree in engineering or related fields.

Recommended Courses

1st Semester

ENGL 151	English Composition I	3 credits
MATH 171	Calculus I	4 credits
CHEM 151	General College Chemistry I	4 credits
_____	Computer Skills Elective[1]	3 credits
		14 credits

2nd Semester

ENGL 152	English Composition II	3 credits
MATH 172	Calculus II	4 credits
CHEM 152	General College Chemistry II	4 credits
MATH 162	Introduction to Statistics	4 credits
_____	Social Science Elective	3 credits
		18 credits

3rd Semester

PHY 251	Engineering Physics I	5 credits
MATH 271	Calculus III	4 credits
ECON 251	Principles of Macroeconomics	3 credits
_____	Social Science Elective	3 credits
		15 credits

4th Semester

PHY 252	Engineering Physics II	5 credits
MATH 251	Introduction to Differential Equations	3 credits
MATH 273	Introduction to Linear Algebra	3 credits
_____	Humanities Elective	3 credits
		14 credits

(Total = 61 credits)

[1] See the computer skills alternatives listed in the college catalog.

This pathway is a general course list for engineering. If student knows the type of engineering in which they wish to specialize, they should discuss course selection with MCCC's dean of math/science.

Transfer Information:

Transfer Institutions may require different courses for this transfer program. Students should tailor their MCCC program as closely as possible to the requirements at their four-year school of choice. Meet with an Enrollment Services representative for more information.

Prerequisites:

All students should check for prerequisites for a class before registering. Prerequisites can be found at www.monroeccc.edu.

Environmental Science Transfer Pathway

The following are course recommendations for students who plan on transferring to a four-year college or university to pursue a bachelor's degree in environmental science or related fields.

Recommended Courses

1st Semester

ESC 151	Earth Science	4 credits
ENGL 151	English Composition I	3 credits
MATH 157	College Algebra[1]	3 credits
BIOL 156	Environmental Science	4 credits
_____	Computer Skills Elective[2]	2 – 3 credits
		16 – 17 credits

2nd Semester

ENGL 152	English Composition II	3 credits
BIOL 151	Biological Sciences I	4 credits
MATH 159	Trigonometry & Analytical Geometry[1]	3 credits
_____	Humanities Elective	3 credits
_____	Social Science Elective	3 credits
		16 credits

3rd Semester

CHEM 151	General College Chemistry I	4 credits
MATH 171	Calculus I	4 credits
_____	Social Science Elective	3 credits
_____	Science Elective[3]	4 credits
		15 credits

4th Semester

CHEM 152	General College Chemistry II	4 credits
_____	Advanced Math Elective[4]	3 – 4 credits
_____	Science Elective[3]	4 credits
_____	Social Science Elective	3 credits
		14 – 15 credits
		(Total = 61 – 63 credits)

[1] May take MATH 164 (Precalculus) in place of MATH 157 (College Algebra) and MATH 159 (Trigonometry & Analytical Geometry)
[2] See the computer skills alternatives listed in college catalog.
[3] Choose from BIOL 251 (Elements of Botany), BIOL 252 (Elements of Zoology), BIOL 260 (General Microbiology), GEOG 151 (Elements of Physical Geography), MET 151 (Introduction to Meteorology & Climate), PHYSC 151 (Physical Science) or PHY 151 (General Physics I).
[4] Choose from MATH 162 (Introduction to Statistics), MATH 172 (Calculus II), or MATH 251 (Introduction to Linear Algebra).

Geoscience/Earth Science Transfer Pathway

The following are course recommendations for students who plan on transferring to a four-year college or university to pursue a bachelor's degree in geology or related fields.

Recommended Courses

1st Semester

ESC 151	Earth Science	4 credits
ENGL 151	English Composition I	3 credits
MATH 157	College Algebra[1]	4 credits
CHEM 151	General College Chemistry I	4 credits
_____	Computer Skills Elective[2]	2 – 3 credits
		17 – 18 credits

2nd Semester

ENGL 152	English Composition II	3 credits
MATH 159	Trigonometry & Analytical Geometry	3 credits
CHEM 152	General College Chemistry II	4 credits
_____	Humanities Elective	3 credits
_____	Social Science Elective	3 credits
		16 credits

3rd Semester

PHY 151	General Physics I	4 credits
MATH 171	Calculus I	4 credits
_____	Social Science Elective	3 credits
_____	Science Elective[3]	4 credits
		15 credits

4th Semester

PHY 152	General Physics II	4 credits
_____	Social Science Elective	3 credits
_____	Advanced Math Elective[4]	3 – 4 credits
_____	Humanities Elective	3 credits
		13 – 14 credits
		(Total = 61 – 63 credits)

[1] May take MATH 164 (Precalculus) in place of MATH 157 (College Algebra) and MATH 159 (Trigonometry & Analytical Geometry)
[2] See the computer skills alternatives listed in the college catalog.
[3] Choose from GEOG 151 (Elements of Physical Geography), BIOL 156 (Introduction to Environmental Science), or ASTRN 151 (Introduction to Astronomy) or PHYSC 151 (Physical Science) or MET 151 (Introduction to Meteorology & Climate).
[4] Choose from MATH 162 (Introduction to Statistics), MATH 172 (Calculus II), MATH 251 (Introduction to Linear Algebra), MATH 271 (Calculus III), or MATH 273 (Introduction to Differential Equations)

Transfer Information:

Transfer Institutions may require different courses for this transfer program. Students should tailor their MCCC program as closely as possible to the requirements at their four-year school of choice. Meet with an Enrollment Services representative for more information.

Prerequisites:

All students should check for prerequisites for a class before registering. Prerequisites can be found at www.monroeccc.edu.

Journalism/Communications Transfer Pathway

This pathway is designed to provide the first two years of study for students who intend to continue their education in the diverse and rapidly changing news media field. Students who are interested in related fields, such as marketing, public relations, broadcast media and graphic arts, can add electives in those areas, preparing them for transfer to universities that offer journalism degrees with minors in their specialization, or vice versa. Courses involve extensive hands-on experience with student media outlets, including The Agora, www.mcccagora.com, Rewind 94.3 radio and Monroe Public Access Cable TV (MPACT). Career opportunities include: online and other new media, newspapers and magazines, TV and radio news and production, and public relations and marketing.

Recommended Courses

1st Semester

JOURN 161	Introduction to Journalism	3 credits
ENGL 151	English Composition I	3 credits
MATH 157	College Algebra[1]	3 credits
_____	Laboratory Science[2]	4 credits
		13 credits

2nd Semester

COMM 181	Digital Media	3 credits
JOURN 162	Journalism Workshop (Agora)	3 credits
ENGL 152	English Composition II	3 credits
POLSC 151	Introduction to Political Science	3 credits
CIS 130	Introduction to Computer Information Systems	3 credits
		15 credits

3rd Semester

JOURN 251	Photojournalism	3 credits
JOURN 261	Journalism Workshop II (Agora)	3 credits
_____	CIS Elective[4]	3 credits
COMM 151	Introduction to Mass Media	3 credits
_____	Science Elective[2]	4 credits
		16 credits

4th Semester

JOURN 262	Journalism Workshop III (Agora)	3 credits
CIS 170	Web Design for Non-designers	3 credits
_____	Humanities Elective[3]	3 credits
_____	Social Science Elective[5]	3 credits
_____	Other Elective[6]	3 – 4 credits
		15-16 credits

(Total = Min. 60 credits)

[1] Also may take MATH 151 (Intermediate Algebra), MATH 154 (Mathematics Explorations), MATH 159 (Trigonometry & Analytical Geometry), MATH 164 (Precalculus) or higher.
[2] Choose from BIOL 151 (Biological Sciences I) or BIOL 156 (Introduction to Environmental Science), CHEM 150 (Fundamental Principles of Chemistry) or CHEM 151 (General College Chemistry I), ESC 151, PHY 101 (Technical Physics), PHY 151 (General Physics I), PHY 251 (General Physics II), PHYSC 151 (Physical Science).
[3] Choose from C5 Human Experience Competency courses. Some recommended courses include: HUMAN 250 (Visual Media Literacy), PHIL 152 (Introduction to Western Philosophy) or PHIL 253 (Introduction to the Philosophy of Religion), SPCH 151 (Communication Fundamentals)/SPCH 152 (Public Speaking), SOC 151 (Principles of Sociology)/SOC 251 (Modern Social Problems).
[4] Choose from CIS 172 (Web Design Concepts), CIS 176 (Web Animation), CIS 180 (Graphic Design Concepts), CIS 182 (Illustrator Graphics), CIS 184 (PhotoShop Graphics), CIS 186 (Multimedia Development), CIS 187 (Digital Video Editing), CIS 188 (InDesign Desktop Publishing).
[5] Any Social Science elective. Some recommended courses include: ANTHR 152 (Introduction to Cultural Anthropology)/ANTHR 155 (Introduction to Archaeology), POLSC 211 (Introduction to Comparative Politics)/POLSC 221 (State and Local Government), PSYCH 151 (General Psychology).
[6] Some recommended courses, if not already taken, include: ART 155 (Art Appreciation), ECON 251 (Principles of Macroeconomics)/ECON 252 (Principles of Microeconomics), MATH 154 (Mathematics Explorations), BIOL 151 (Biological Sciences I).

Mathematics Transfer Pathway

The following are course recommendations for students who plan on transferring to a four year college or university to pursue a bachelor's degree in mathematics or related fields.

Recommended Courses

1st Semester

MATH 171	Calculus I	4 credits
ENGL 151	English Composition I	3 credits
_____	Social Science Elective	3 credits
CHEM 151	General College Chemistry I[1]	4 credits
_____	Computer Skills Elective[2]	2 credits
		16 credits

2nd Semester

MATH 172	Calculus II	4 credits
POLSC 151	Introduction to Political Science	3 credits
ENGL 152	English Composition II	3 credits
SPCH 151	Communication Fundamentals	3 credits
CHEM 152	General College Chemistry II[1]	4 credits
		17 credits

3rd Semester

MATH 271	Calculus III	4 credits
PHY 251	Engineering Physics I	5 credits
MATH 162	Introduction to Statistics	4 credits
_____	Social Science Elective	3 credits
		16 credits

4th Semester

MATH 251	Introduction to Linear Algebra	3 credits
MATH 273	Introduction to Differential Equations	3 credits
PHY 252	Engineering Physics II	5 credits
PHIL 151	Introduction to Logic or Humanities Elective	3 credits
		14 credits

(Total = 63 credits)

[1] Choose a course that meets the Natural Sciences general education competency at MCCC and the Natural Sciences requirements for the major at the transfer institution.
[2] See the computer skills alternatives listed in the college catalog.

Transfer Information:

Transfer Institutions may require different courses for this transfer program. Students should tailor their MCCC program as closely as possible to the requirements at their four-year school of choice. Meet with an Enrollment Services representative for more information.

Prerequisites:

All students should check for prerequisites for a class before registering. Prerequisites can be found at www.monroeccc.edu.

Physics Transfer Pathway

The following are course recommendations for students who plan on transferring to a four-year college or university to pursue a bachelor's degree in physics or related fields.

Recommended Courses

1st Semester

ENGL 151	English Composition I	3 credits
MATH 171	Calculus I	4 credits
CHEM 151	General College Chemistry I	4 credits
_____	Computer Skills Elective[1]	3 credits
		14 credits

2nd Semester

POLSC 151	Introduction to Political Science	3 credits
ENGL 152	English Composition II	3 credits
MATH 172	Calculus II	4 credits
CHEM 152	General College Chemistry II	4 credits
CIS 150	Computer Science I	3 credits
		17 credits

3rd Semester

PHY 251	Engineering Physics I	5 credits
MATH 271	Calculus III	4 credits
ECON 251	Principles of Macroeconomics	3 credits
_____	Social Science Elective	3 credits
		15 credits

4th Semester

PHY 252	Engineering Physics II	5 credits
MATH 251	Introduction to Linear Algebra	3 credits
MATH 273	Introduction to Differential Equations	3 credits
_____	Humanities Elective[2]	3 credits
		14 credits

(Total = 60 credits)

[1] See the computer skills alternatives listed in the college catalog.
[2] Recommended: SPCH 151 (Communication Fundamentals)

Psychology Transfer Pathway

The following are recommended courses and a sequence for students planning to transfer to a four-year institution and major in psychology.

Recommended Courses

1st Semester

PSYCH 151	General Psychology	3 credits
ENGL 151	English Composition I	3 credits
MATH 157*	College Algebra	3 credits
_____	Laboratory Science Elective[1]	4 credits
_____	Computer Skills Elective[2]	3 credits
		16 credits

2nd Semester

PSYCH ___	Psychology Elective (see list)	3 credits
ENGL 152	English Composition II	3 credits
MATH 159*	Trigonometry & Analytical Geometry	3 credits
_____	Laboratory Science Elective[1]	4 credits
_____	Social Science Elective[3]	3 credits
		16 credits

3rd Semester

PSYCH ___	Psychology Elective (see list)	3 credits
PSYCH ___	Psychology Elective (see list)	3 credits
PHIL 151	Introduction to Logic	3 credits
MATH 162	Introduction to Statistics	4 credits
_____	Humanities Elective	3 credits
		16 credits

4th Semester

PSYCH ___	Psychology Elective (see list)	3 credits
PSYCH ___	Psychology Elective (see list)	3 credits
_____	Humanities Elective	3 credits
_____	Elective	3 credits
_____	Elective	3 credits
		15 credits

(Total = 63 credits)

[1] Choose at least two courses from two disciplines: BIOL 151 (Biological Sciences I), BIOL 153 (Biological Sciences II), BIOL 264 (Fundamentals of Genetics), CHEM 151 (General College Chemistry I), CHEM 152 (General College Chemistry II).
[2] See the computer skills alternatives listed in college catalog.
[3] ANTHR 152 (Introduction to Cultural Anthropology) or SOC 151 (Introduction to Sociology)
[4] To get an idea of the field's recommendations for the completion of a four-year psychology major degree, visit: http://www.apa.org/ed/precollege/about/psymajor-guidelines.pdf
***** May take MATH 164 (Precalculus) in place of MATH 157 (College Algebra) and MATH 159 (Trigonometry & Analytical Geometry)

Psychology Electives (choose from):

PSYCH 152	Psychology of Personality & Adjustment
PSYCH 251	Child Psychology
PSYCH 253	Social Psychology
PSYCH 254	Life Span Psychology
PSYCH 257	Psychology of Human Sexuality
PSYCH 258	Abnormal Psychology

Transfer Information:

Transfer Institutions may require different courses for this transfer program. Students should tailor their MCCC program as closely as possible to the requirements at their four-year school of choice. Meet with an Enrollment Services representative for more information.

Prerequisites:

All students should check for prerequisites for a class before registering. Prerequisites can be found at www.monroeccc.edu.