

TRANSFER OPTIONS

At Monroe County Community College, students can earn the first two years of a bachelor's degree by selecting courses that transfer to four-year institutions.

MCCC works with four-year colleges and universities to develop curricular guides that explain what courses must be taken at MCCC. These curricular guides vary depending on the specific four-year college or university the student plans to attend. Transfer guides are available on the MCCC website at www.monroeccc.edu/academicadv-transfer/transindex.htm. To ensure the transferability of credits to a specific four-year college or university and program, it is essential that the transfer student identify the college or university and curriculum as soon as possible, consult with an advisor and follow the appropriate transfer curriculum guide.

TRANSFER OPTIONS

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 fouryear 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.

STUDY ABROAD

Monroe County Community College offers students the chance to expand their horizons while completing coursework by visiting and living in other countries and cultures. Program course content and location varies from year to year. Study abroad programs take place during the Spring Semester; announcements regarding the program are made during the prior Spring or Fall semesters. Student exchange opportunities also exist in a variety of countries. For more information, contact the Humanities/Social Sciences Division.

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 in nursing, business and education online. For more information, call 734.854.6100 or visit the office at the Whitman Center.

TRANSFER PATHWAY OPTIONS

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 ENGL 151 English Composition I MATH 157 CHEM 151 General College Chemistry I 2Computer Skills Elective	4 credits 3 credits 3 credits 4 credits 2 credits 16 credits	3rd Semesto BIOL CHEM 251 MATH 171	er _ 3 Biology Elective _ 4 Organic Chemistry I Calculus I Social Science Elective	4 credits 4 credits 4 credits 3 credits 15 credits
2 nd Semester BIOL 153 Biological Sciences II POLSC 151 Introduction to Political Science ENGL 152 English Composition II MATH 159 Trigonometry and Analytical Geomet CHEM 152 General College Chemistry II	4 credits 3 credits 3 credits ry 3 credits 4 credits	4th Semesti CHEM 252 BIOL	⁴ Organic Chemistry II ³ Biology Elective Social Science Elective Humanities Elective	4 credits 4 credits 3 credits 3 credits 14 credits = 60 – 62 credits)

¹ May take MATH 164 (Precalculus) in place of MATH 157 (College Algebra) and MATH 159 (Trigonometry and Analytical Geometry).

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 ENGL 151 English Composition I MATH 171 Calculus I 'Computer Skills Elective	4 credits 3 credits 4 credits 3 credits 14 credits	3rd Semester CHEM 251 Organic Chemistry I PHY 151/251 General or Engineering Physics I BIOL Biology Elective MATH 271 Calculus III	4 credits 4/5 credits 4 credits 4 credits 6/17 credits
2nd Semester CHEM 152 General College Chemistry II ENGL 152 English Composition II MATH 172 Calculus II Social Science Elective	4 credits 3 credits 4 credits 3 credits 14 credits	-	4 credits 4/5 credits 3 credits 3 credits 3 credits 7/18 credits - 63 credits)

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 the dean of math/science for more information.

Prerequisites:

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)

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 Semesto ENGL 151 MATH 171 CHEM 151	er English Composition I Calculus I General College Chemistry I ¹Computer Skills Elective	3 credits 4 credits 4 credits 2/3 credits 13/14 credits	3rd Semest PHY 251 MATH 271 ECON 251	er Engineering Physics I Calculus III Principles of Macroeconomics Social Science Elective	5 credits 4 credits 3 credits 3 credits 15 credits
2 nd Semest ENGL 152 MATH 172 CHEM 152	er English Composition II Calculus II General College Chemistry II Social Science Elective	3 credits 4 credits 4 credits 3 credits 14 credits	4th Semest PHY 252 MATH 251 MATH 273 MATH 162	Engineering Physics II Introduction to Linear Algebra Introduction to Differential Equations Introduction to Statistics Humanities Elective	3 credits 3 credits
¹ See the com	nputer skills alternatives listed in the c	ollege catalog.		(Total =	17 credits 60 credits)

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.

Geological Sciences/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 ENGL 151 English Composition I MATH 157 CHEM 151 General College Chemistry I 2Computer Skills Elective	4 credits 3 credits 4 credits 4 credits 2/3 credits	3 rd Semest PHY 151 MATH 171	General Physics I Calculus I Social Science Elective 3Science Elective	4 credits 4 credits 3 credits 4 credits 15 credits
2nd Semester ENGL 152 English Composition II MATH 159 'Trigonometry and Analytical Geome CHEM 152 General College Chemistry II Humanities Elective Social Science Elective	- 17 credits 3 credits etry 3 credits 4 credits 3 credits 3 credits	4th Semesti PHY 152 MATH 172	General Physics II Calculus II Advanced Math Elective Humanities Elective	4 credits 4 credits 3/4 credits 3 credits 14 – 15 credits = 61 – 63 credits)

¹ May take MATH 164 (Precalculus) in place of MATH 157 (College Algebra) and MATH 159 (Trigonometry and Analytical Geometry)

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 the dean of math/science for more information.

Prerequisites:

² See the computer skills alternatives listed in the college catalog.

³ Choose from GEOG 151 (Elements of Physical Geography), BIO 156 (Introduction to Environmental Science), or ASTRN 151 (Introduction to Astronomy)

⁴ Choose from MATH 162 (Introduction to Statistics), MATH 251 (Introduction to Linear Algebra), MATH 271 (Calculus III), or MATH 273 (Introduction to Differential Equations)

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 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 151 Introduction to Journalism ENGL 151 English Composition I MATH 157 College Algebra 2Laboratory Science	3 credits 3 credits 3 credits 4 credits 16 credits	3rd Semester JOURN 251 Photojournalism JOURN 162 Journalism Workshop (Agora) CIS 170 Web Design for Non-Designers 3rd Semester Web Design for Non-Designers Satisfier	3 credits 3 credits 3 credits
2nd Semester JOURN 181 New Media Journalism JOURN 162 Journalism Workshop (Agora) ENGL 152 English Composition II POLSC 151 Introduction to Political Science Introduction to Computer Information Systems	3 credits 3 credits 3 credits 3 credits 4 credits 5 credits	2 Science Elective 4th Semester JOURN 162 Journalism Workshop (Agora) 3Humanities Elective 4CIS Elective 5Social Science Elective 6Other Elective (Total :	4 credits 16 credits 3 credits 3 credits 3 credits 3 credits 5 credits 5 credits 15 credits 60 credits)

Also may take MATH 151 (Intermediate Algebra), MATH 154 (Mathematics Explorations), MATH 159 (Trigonometry and Analytical Geometry), MATH 164 (Precalculus) or higher.

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		3rd Semest	er	
MATH 171 Calculus I	4 credits	MATH 271	Calculus III	4 credits
ENGL 151 English Composition I	3 credits	PHY 251	Engineering Physics I	5 credits
Social Science Elective	3 credits	MATH 162	Introduction to Statistics	3 credits
CHEM 151 General College Chemistry I	4 credits		Social Science Elective	3 credits
² Computer Skills Elective	2 credits			15 credits
	16 credits	4th Semest	er	
2 nd Semester		MATH 251	Introduction to Linear Algebra	3 credits
MATH 172 Calculus II	4 credits	MATH 273	Introduction to Differential Equations	3 credits
POLSC 151 Introduction to Political Science	3 credits	PHY 252	Engineering Physics II	5 credits
ENGL 152 English Composition II	3 credits	PHIL 151	Introduction to Logic or	
SPCH 151 Communication Fundamentals	3 credits		Humanities Elective	3 credits
CHEM 152 ¹ General College Chemistry II	4 credits			14 credits
,	17 credits		(Total = 60 -	62 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.

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 the dean of math/science for more information.

Prerequisites:

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 185 (Web 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, besides those mentioned above, include: ART 155 (Art Appreciation), ECON 251 (Principles of Macroeconomics)/ECON 252 (Principles of Microeconomics), MATH 154 (Mathematics Explorations), BIOL 151 (Biological Sciences I).

² See the computer skills alternatives listed in the college catalog.

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 Semeste ENGL 151 MATH 171 CHEM 151 CIS 132	Erglish Composition I Calculus I General College Chemistry I Computer Programming Concept	3 credits 4 credits 4 credits 3 credits 14 credits	3rd Semest PHY 251 MATH 271 ECON 251	Err Engineering Physics I Calculus III Principles of Macroeconomics Social Science Elective	5 credits 4 credits 3 credits 3 credits 15 credits
2 nd Semeste POLSC 151 ENGL 152 MATH 172 CHEM 152 CIS 150	Introduction to Political Science English Composition II Calculus II General College Chemistry II Computer Science I	3 credits 3 credits 4 credits 4 credits 5 credits 7 credits	4th Semest PHY 252 MATH 251 MATH 273	Engineering Physics II Introduction to Linear Algebra Introduction to Differential Equations *Humanities Elective	5 credits 3 credits 3 credits 3 credits 14 credits 60 credits)

¹ Recommended: SPCH 151 (Communication Fundamentals)

Psychology 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 psychology or related fields.

Recommended Courses

1st Semester PSYCH 151 General Psychology ENGL 151 English Composition I MATH 164 Precalculus 1Laboratory Science Elective 2Computer Skills Elective	3 credits 3 credits 4 credits 3 credits 2 credits	3rd Semester PSYCH Psychology Elective (see list) PSYCH Psychology Elective (see list) PHIL 151 Introduction to Logic Laboratory Science Elective Humanities Elective	3 credits 3 credits 3 credits 4 credits 3 credits
·	15 credits		16 credits
2 nd Semester PSYCH Psychology Elective (see list) ENGL 152	3 credits 3 credits 3 credits 4 credits 3 credits 16 credits	4th Semester PSYCH Psychology Elective (see list) PSYCH Psychology Elective (see list) Humanities Elective Elective Elective	3 credits 3 credits 3 credits 3 credits 15 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).

Psychology Electives (choose from):

PSYCH 152	Psychology of Personality & Adjustment	PSYCH 254	Life Span Psychology
PSYCH 251	Child Psychology	PSYCH 257	Psychology of Human Sexuality
PSYCH 253	Social Psychology	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 the dean of math/science for more information.

Prerequisites:

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