Transfer Credit Ohio
Ohio Guaranteed Transfer Pathways

MARION TECHNICAL COLLEGE

Biology
Associate of Science

EFFECTIVE BEGINNING ACADEMIC YEAR 2025-26

LAST REVISED: February 4, 2026

GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36		COURSE NUMBER	CREDIT HOURS
ENGLISH COMPOSITION AND ORAL COMMUNICATION			**3**
Course 1:	Any Ohio Transfer 36 approved First Writing (TME001) course	ENG1000	3
MATHEMATICS, STATISTICS, AND LOGIC			**5**
Course 1:	Calculus I (TMM005)[1] or Life Science Calculus I (TMM024)[1]	MTH2000	5
ARTS AND HUMANITIES			**6**
+ Course 1:	Any Ohio Transfer 36 approved Arts and Humanities course	A&H Ohio Transfer 36 Elective	3
+ Course 2:	Any Ohio Transfer 36 approved Arts and Humanities course	A&H Ohio Transfer 36 Elective	3
SOCIAL AND BEHAVIORAL SCIENCES			**6**
+ Course 1:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course (Introduction to Psychology (OSS015) recommended for pre-medicine)	PSY1100	3
+ Course 2:	Any Ohio Transfer 36 approved Social and Behavioral Sciences course (Introduction to Sociology (OSS021) recommended for pre-medicine)	SOC1200	3
NATURAL SCIENCES			**10**
Course 1:	General Chemistry I with lab (OSC008)	CHM1210	5
Course 2:	General Chemistry II with lab (OSC009)	CHM1260	5
ADDITIONAL CREDITS[2]			**6**
Course 1:	Any Ohio Transfer 36 approved Second Writing (TME002) course	ENG1100	3
Courses:	Up to 7 additional hours of Ohio Transfer 36 approved courses[3]	COM1400	3
GENERAL EDUCATION/OHIO TRANSFER 36 TOTAL:			**36**

Advising Notes:
Where it indicates "Any Ohio Transfer 36 approved," students should work closely with their advisors.
(+) indicates that the courses chosen should be from two different areas within that category.
[1] A prerequisite may be needed for a student to reach Calculus I (TMM005) or Life Science Calculus I (TMM024). The math requirement may vary by institution, and students planning to pursue a Bachelor of Arts in Biology may only need Pre-Calculus (TMM002). Check with your academic advisor and your receiving institution to determine the appropriate mathematics course.
[2] Due to the variability across institutions, students should work with their academic advisor to determine an appropriate program of study and appropriate amount of additional credits to satisfy the Ohio Transfer 36.
[3] COM1400 is a degree requirement at Marion Technical College.

SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.

Transfer Credit Ohio
Ohio Guaranteed Transfer Pathways

MARION TECHNICAL COLLEGE

Biology
Associate of Science

EFFECTIVE BEGINNING ACADEMIC YEAR 2025-26

LAST REVISED: February 4, 2026

PRE-MAJOR/BEGINNING MAJOR		COURSE NUMBER	CREDIT HOURS
Course 1:	Biology I (OSC003)	BIO1310	4
Course 2:	Biology II (OSC004)	BIO1320 (To be submitted)[2]	4
Course 3:	Genetics (OSC028) or Calculus-based Physics I with lab (OSC016) or Algebra-based Physics I with lab (OSC014)[1]	PHY1200 & PHY1210	4-5
PRE-MAJOR/BEGINNING MAJOR TOTAL:			**12-13**

Advising Notes:
[1] The amount and type of physics (calculus or non-calculus-based) required in the biological sciences varies from institution to institution. Many institutions require at least one semester of physics, others none. If physics is not a program requirement, an appropriate biology course should be selected with the guidance of your academic advisor. Please consult with your academic advisor and your receiving institution within the first year of study to determine an appropriate course of study.
[2] "To be submitted" indicates that the course does not currently carry the statewide course equivalency guarantee. However, the institution is working towards this goal and will act in good faith to ensure the appropriate equivalency is given that counts toward the degree.

OTHER RECOMMENDATIONS		COURSE NUMBER	CREDIT HOURS
Courses 1 and 2:	Full-Year Sequence of Organic Chemistry with lab (OSC010)[1] (Not required but highly recommended for pre-medicine)	N/A	-
Electives:	General Electives as needed (May include FYE or Orientation course)[2,3]	FYE1000	1
		Recommended: BIO1110, BIO1230, BIO1240, BIO1250, SCI1300, ENV1000, ASL1000, ASL1010, SPN1000, SPN1010	11-12
OTHER RECOMMENDATIONS TOTAL:			**12-13**

Advising Notes:
[1] The statewide transfer guarantee applies to the full-year sequence. All non-sequence coursework will be reviewed on a course-by-course basis by the receiving institution for transfer and application to the major. Not all institutions require Organic Chemistry, although it may be required for students who are pre-medicine. Consult with your academic advisor and your receiving institution.
[2] FYE 1000 is required.
[3] Certain institutions may require two semesters or more of world language for Bachelor of Arts and Bachelor of Science degrees. If so, world language should be taken – check with your receiving institution. Additional recommended pre-major/major coursework may include courses in cell biology, microbiology, or genetics. Consult with your academic advisor and your receiving institution to determine an appropriate program of study.

ASSOCIATE DEGREE	Total Credit Hours
ASSOCIATE DEGREE TOTAL:	60-62

Transfer Credit Ohio
Ohio Guaranteed Transfer Pathways

MARION TECHNICAL COLLEGE

Biology
Associate of Science

EFFECTIVE BEGINNING ACADEMIC YEAR 2025-26

LAST REVISED: February 4, 2026

SPECIAL NOTES

Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

Some bachelor-degree granting institutions require additional general education courses outside of the Ohio Transfer 36 and students may be required to take these courses in their junior or senior year. Students will still be able to follow this pathway and complete their bachelor's degree in approximately 60 additional credit hours.

For more information, please contact:
Advising Office
advising@mtc.edu
740-386-4200
https://www.mtc.edu/advising/

SAMPLE DEGREE MAP

FIRST YEAR

SEMESTER 1

COURSE NAME & NUMBER	CREDIT HOURS
BIO1310 Biology I	4
FYE1000 Academic and Career Success	1
ENG1000 Composition I	3
MTH2000 Calculus I	5
Ohio Transfer 36 A&H Course	3
Total *SEMESTER 1* Credit Hours	16

SEMESTER 2

COURSE NAME & NUMBER	CREDIT HOURS
BIO1320 Biology II	4
COM1400 Oral Communication	3
PSY1100 or Ohio Transfer 36 SBS Course	3
General Elective	3-4
Total *SEMESTER 2* Credit Hours	13-14

SECOND YEAR

SEMESTER 3

COURSE NAME & NUMBER	CREDIT HOURS
CHM1200 Chemistry I	5
ENG1100 Composition II	3
PHY1200 + PHY1210	4-5
Ohio Transfer 36 A&H Course	3
Total *SEMESTER 3* Credit Hours	15-16

SEMESTER 4

COURSE NAME & NUMBER	CREDIT HOURS
CHM1260 Chemistry II	5
SOC1200 or Ohio Transfer 36 SBS Course	3
General Elective	4
General Elective	4
Total *SEMESTER 4* Credit Hours	16

Transfer Credit Ohio

Ohio Guaranteed Transfer Pathways

MARION TECHNICAL COLLEGE

Biology

Associate of Science

EFFECTIVE BEGINNING ACADEMIC YEAR 2025-26

LAST REVISED: February 4, 2026

OHIO TRANSFER 36 ELECTIVES

Please work closely with your advisor when selecting courses.

ARTS & HUMANITIES	Course Number	Credit Hours
Intro to Literature	ENG1600	3
Early American Literature	ENG2000	3
Modern American Literature	ENG2100	3
Western Civilization I	HST1700	3
Western Civilization II	HST1800	3
African American History to 1877	HST2010	3
African American History since 1877	HST2020	3
Critical Thinking	PHI1000	3
Intro to Ethics	PHI1030	3

SOCIAL & BEHAVIORAL SCIENCES	Course Number	Credit Hours
Microeconomics	ECN2000	3
Macroeconomics	ECN2100	3
Early American History	HST1500	3
Modern American History	HST1600	3
Intro to the Holocaust and Modern Genocide	HST2000	3
American Government	POL1000	3
Comparative Government and Politics	POL1010	3
Introduction to Psychology	PSY1100	3
Abnormal Psychology	PSY1200	3
Social Psychology	PSY1500	3
Lifespan Development	PSY2100	3
Child and Adolescent Development	PSY2150	3
Adulthood and Aging	PSY2175	3
Psychology of Personality	PSY2200	3
Memory and Cognition	PSY2220	3
Sociology	SOC1200	3
Personal and Family Relations	SOC1400	3
Ethnic and Cultural Diversity	SOC2020	3
Social Problems	SOC2200	3
Gender Studies	SOC2400	3

NATURAL SCIENCES	Course Number	Credit Hours
Human Biology	BIO1200	4
Introduction to Forensic Science	BIO1210	4
Introduction to Botany	BIO1230	4
Anatomy & Physiology I	BIO1240	4
Anatomy & Physiology II	BIO1250	4
General & Biological Chemistry	CHM1000	4
Chemistry I	CHM1210	5
Chemistry II	CHM1260	5
Introduction to Environmental Science	ENV1000	4
Physical Geology	GEO1000	4
Physics I (Taken with PHY 1210)	PHY1200	4
Physics I Lab	PHY1210	1
Physics II (Taken with PHY 1260)	PHY1250	4
Physics II Lab	PHY1260	1
Microbiology	SCI1300	4
Advanced Human Physiology	SCI2000	4