



Montcalm Community College

TRANSFER GUIDE

MCC Associate of Science & Arts (A.S.A.) and Leading to an Alma College Bachelor of Science (B.S.) in Chemistry major

Utilize this guide to understand how the Associate of Science & Arts program at Montcalm CC will transfer to Alma College's Bachelor of Science degree in Chemistry, based upon the 2026-2027 catalog.

GENERAL EDUCATION RECOMMENDATIONS

Montcalm CC

Life Skills

Course Num.	Course Title	Cr.
GNST 100	Success Skills for the 21 st Century	3 cr

Written Communication

Complete both:

ENGL 100	Freshman English I	3 cr
ENGL 101	Freshman English II	3 cr

Oral Communication

Choose one:

COMM 210	Speech	3 cr
COMM 215	Intro to Human Communication	3 cr
COMM 220	Interpersonal Communication	3 cr

Laboratory Science

Choose two from different disciplines (one must include a lab):

ASTR 130	Intro to Astronomy	3cr
BIOL 100	Biological Science	4 cr
BIOL 107	Human Biology	4 cr
BIOL 121*	College Biology I	4 cr
BIOL 122	College Biology II	4 cr
BIOL 202	Anatomy & Physiology I	4 cr
BIOL 203	Anatomy & Physiology II	4 cr
CHEM 105	Survey of Gen Chem	4 cr
CHEM 220**	College Chemistry I	5 cr
ENVR 101	Environmental Science (w/ lab)	4 cr
PHYS 101	Physical Science	4 cr
PHYS 230*	College Physics I	4 cr

Alma College

First-Year Seminar (FYS)

Equiv.	Title	Cr.
FYS 101	First-Year Seminar	3 cr

Writing (WI)

ECL 100	Reading for Meaning	3 cr
ECL 101	Writing with Purpose	3 cr

ECL 120	Fund of Speech Communication	3 cr
ECL 120	Fund of Speech Communication	3 cr
ECL 214	Interpersonal Communication	3 cr

AST 180	Astronomy Elective	3 cr
BIO 180	Biology Elective	4 cr
BIO 180	Biology Elective	4 cr
BIO 121	Foundations of Biology	4 cr
BIO 180	Biology Elective	4 cr
KHS 231	Anatomy & Physiology I	4 cr
KHS 231	Anatomy & Physiology II	4 cr
CHM 103	Basic Chem Investigations	4 cr
CHM 115	Chemical Analysis	5 cr
ENV 105	Our Environment	4 cr
PSC 101	General Physical Science	4 cr
PHY 112	General Physics I	4 cr

Mathematics

Choose one:

MATH 102	Quantitative Reasoning	4 cr	MTH 110	Liberal Arts Mathematics	4 cr
MATH 159	College Algebra	4 cr	MTH 111	Algebra	4 cr
MATH 180	Precalculus	5 cr	MTH 112	Precalculus	5 cr
MATH 190	Introductory Statistics	4 cr	MTH 116	Elementary Statistics	4 cr
MATH 250*	Calculus and Analytic Geometry I	4 cr	MTH 121	Calculus I	4 cr
MATH 251	Calculus and Analytic Geometry II	4 cr	MTH 122	Calculus II	4 cr

Global Cultural Awareness - Social Science

Two courses required:

Choose One:

HIST 250	United States History to 1865	3 cr	HST 104	Making of America to 1877	3 cr
HIST 251	United States Hist. Since 1865	3 cr	HST 105	American Century: 1877-Pres.	3 cr
POLI 240	American Political System	3 cr	POL 101	American Political System	3 cr

Choose One Addl' from a different discipline than the above choice:

ANTH 260	Cultural Anthropology	3 cr	ANT 280	Topics in Anthropology	3 cr
ANTH 266	Indig. Cultures of North Am.	3 cr	ANT 280	Topics in Anthropology	3 cr
ECON 215	Principles of Macroeconomics	3 cr	ECN 111	Principles of Macroeconomics	3 cr
ECON 216	Principles of Microeconomics	3 cr	ECN 112	Principles of Microeconomics	3 cr
HIST 250	United States History to 1865	3 cr	HST 104	Making of America to 1877	3 cr
HIST 251	United States Hist. Since 1865	3 cr	HST 105	American Century: 1877-Pres.	3 cr
POLI 240	American Political System	3 cr	POL 101	American Political System	3 cr
PSYC 120	General Psychology	3 cr	PSY 120	Foundations of Psychology	3 cr
PSYC 221	Child Psychology	3 cr	PSY 280	Psychology Elective	3 cr
PSYC 225	Abnormal Psychology	3 cr	PSY 314	Psychopathology	3 cr
PSYC 230	Social Psychology	3 cr	PSY 336	Social Psychology	3 cr
PSYC 235	Lifespan Development	3 cr	PSY 331	Developmental Psychology	3 cr
SOCI 230	Sociology	3 cr	SOC 101	Principles of Sociology	3 cr
SOCI 235	Social Problems	3 cr	SOC 141	Social Problems	3 cr

Global Cultural Awareness - Humanities

Choose two from different disciplines, only one can be a foreign language (one foreign language is preferred):

ARTS 190*	Art Appreciation	3 cr	ART 216	Art Appreciation (GCA Badge)	3 cr
ARTS 215	Art History-Prim. to High Ren.	3 cr	ART 201	History of Art I	3 cr
ARTS 216	Art History-French Rev. to Cont	3 cr	ART 202	History of Art II	3 cr
ARTS 265	Introduction to Film	3 cr	NMS 125	Intro to Film Theory	3 cr
ENGL 195	Introduction to Literature	3 cr	ECL 180	English Com Lang Elective	3 cr
ENGL 200	Am. Thought and Lit. - 1865	3 cr	ECL 261	Intertextual Literature	3 cr
ENGL 201	Am. Thought and Lit. 1865-Pres.	3 cr	ECL 280	English Com Lang Elective	3 cr
ENGL 220	British Literature to 1798	3 cr	ECL 251	Genealogy of a Genre	3 cr
ENGL 221	British Literature since 1798	3 cr	ECL 253	Environmental Literature	3 cr
ENGL 235	Children's Literature	3 cr	ECL 280	English Com Lang Elective	3 cr
ENGL 250	Creative Writing	3 cr	ECL 190	Creative Writing	3 cr
MUSI 101	Music Appreciation	3 cr	MUS 180	Music Elective	3 cr
MUSI 250	History of Rock N' Roll	3 cr	MUS 280	Music Elective	3 cr
PHIL 220	Introduction to Philosophy	3 cr	PHL 180	Philosophy Elective	3 cr
PHIL 221	Philosophy of World Religions	3 cr	REL 100	What is Religion?	3 cr

PHIL 222	Bioethics	3 cr	PHL 229	Ethics and Medicine	3 cr
PHIL 230	Death & Dying	3 cr	PHL 229	Ethics and Medicine	3 cr
SPAN 130*	Elementary Spanish I	4 cr	SPN 111	Beginning Spanish I	4 cr
SPAN 131*	Elementary Spanish II	4 cr	SPN 112	Beginning Spanish II	4 cr

PROGRAM SPECIFIC RECOMMENDATIONS - Complete remaining credits to reach 60-61 total credits for A.S.A. degree

Complete the following courses for the Alma College Chemistry Major:

CHEM 220**	College Chemistry I	5 cr	CHM 115	Chemical Analysis	5 cr
CHEM 221*	College Chemistry II	5 cr	CHM 230	Inorganic Chemistry	5 cr
CHEM 251**	Organic Chemistry I	5 cr	CHM 223	Organic Chemistry I	5 cr
CHEM 252*	Organic Chemistry II	5 cr	CHM 224	Organic Chemistry II	5 cr
MATH 250*	Calculus and Analytic Geometry I	4 cr	MTH 121	Calculus I	4 cr
MATH 251*	Calculus and Analytic Geometry II	4 cr	MTH 122	Calculus II	4 cr
PHYS 230*	College Physics I	4 cr	PHY 112	General Physics I	4 cr
PHYS 231*	College Physics II	4 cr	PHY 113	General Physics II	4 cr

Additional Electives:

Complete additional electives of your choice to complete 60-cr total at Montcalm from the courses within the general education or other area of interest. Second semester of language preferred. Students planning to pursue Pre-Medicine should consider taking BIOL 121.

*Highly Recommended; **Required

Remaining Core Curriculum at Alma College

(GCA) Global Cultural Awareness, if ARTS 190 is not completed at MCC.

(IDS) Interdisciplinary Seminar: All students will take 3-credits of an Interdisciplinary Seminar in their third or fourth year.

(QR) Quantitative Reasoning, built into the Chemistry major.

(WI) Writing Intensive Course, built into the Chemistry major: All students will complete a minimum of three credits of 200- or 300-level writing intensive coursework that focuses on writing and research within a discipline.

(SP) Spring Term Course – 4-week Spring Term in May of each year

(WLC) World Languages & Culture: Graduates must demonstrate at least novice-high proficiency in a language other than English (may be completed at another institution).

Alma College accepts credit earned from regionally accredited colleges or universities in the United States. International credit is evaluated using guidance from AACRAO and World Education Services. An evaluation of credit earned is available upon submission of an application and transcripts to the Admissions Office. Transfer students entering Alma College with an awarded associate's degree or comparable work will have the Explore and Theme requirements in the Core Curriculum waived. "Comparable work" means the equivalent of four full-time college terms with a minimum of 56 Alma credits accepted for transfer. This must include at least three credits each of courses addressing laboratory science, arts or humanities, and social science, plus at least nine additional credits of work outside of the primary area of emphasis.

All transfer students with 24+ credits will have the First Year Seminar (FYS) requirement and one Spring Term requirement waived. Students are still required to take one Spring Term course at Alma.

Limitations are as follows:

1. Only non-developmental courses that are graded "C" (2.0) or higher are accepted for credit.
2. All transfer students must complete the final 46 credits for the degree in residence at Alma or in an Alma-approved program.
3. Transferred credit must be documented by receipt of an official transcript from each institution attended.
4. Transfer credits from courses below the 100-level do not count toward the 120 credits required for graduation.