



Associate of Science Mathematics

Faculty Advisor/Program Director	Student Name	Academic Advisor
Telephone Number	Student ID Number	Date

Advisor Notes:

The Associate of Science in S.T.E.M. Mathematics and Science provides the foundation needed to transfer into a Bachelor of Science degree program in Science, Technology, Engineering, and Math related fields at a four-year institution.

In order to increase chances of success in more advanced courses, it is **strongly recommended** that students complete the **Core 4** in the first two semesters. Choices in the *General Education Courses* can be added to reach semester requirements. All *Program Requirements* should be taken after the General Education courses have been completed.

- All students must take the University Skills Placement Text prior to beginning this program.
- Student must have an ENMU Campus System cumulative GPA of 2.00 in order to meet graduation requirements.
- All lectures and corresponding labs must be taken simultaneously.
- Student should submit a Graduation Application before the close of the semester preceding the expected completion date.
- Courses only offered once a year are identified at the end of the course title with the following designations: F = fall only; S = spring only. Course enrollment may determine whether or not a course will be offered.

MATH Placement: _____

ENGL Placement: _____

CORE 4: Complete within the first two semesters

	Course	Credits	Grade	Semester
MATH 1220 OR higher*	MATH	3	_____	_____
ENGL 1110: Composition I*	ENGL 1110	3	_____	_____
ENGL 1120: Composition II*	ENGL 1120	3	_____	_____
CIT 274: Spreadsheets	CIT 274	3	_____	_____

GENERAL EDUCATION COURSES: Focus on completing within the first two semesters

	Course	Credits	Grade	Semester
ENGL 2210 OR COMM 2120 OR COMM 1130	_____	3	_____	_____
CHEM 1215/1215L	CHEM	4	_____	_____
	1215/1215L			
CHEM 1225/1225L	CHEM	4	_____	_____
	1225/1225L			
MATH 1350: Introduction to Statistics	MATH 1350	4	_____	_____
Any Social or Behavioral Science**	_____	3	_____	_____
Any Creative and Fine Art **	_____	3	_____	_____
Additional Creative and Fine Art or Humanity**	_____	3	_____	_____
Any Humanity**	_____	3	_____	_____

PROGRAM REQUIREMENTS

	Course	Credits	Grade	Semester
Any Laboratory Science (Gen Ed)**	_____	4	_____	_____
Any Laboratory Science (Gen Ed)**	_____	4	_____	_____
Any Laboratory Science (Gen Ed)**	_____	4	_____	_____
~Additional Math Course (7-8 credits)	_____			
MATH 1230 OR 1510 OR 1520 (Fa) OR 2530 (Sp)	_____	3-4	_____	_____



MATH 1230 OR 1510 OR 1520 (Fa) OR 2530 (Sp)	3-4	
ECON 200 OR 2110 OR 2120	3	

Total Hours Required for Degree	60-62
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***Prerequisites:**

Course	Title	Prerequisite
ENGL 1110	Composition I	ENG 096 or satisfactory placement or ACT scores Must pass with a "C" or better.
ENGL 1120	Composition II	ENGL 1110
MATH 1350	Introduction to Statistics	"C" or better in MATH 1215 or MATH 1130 or satisfactory score on ACT math or Placement test or appropriate high school GPA (within last 3 years). Please consult your advisor.
MATH 1220	College Algebra	"C" or better in MATH 1215 or satisfactory score on ACT math or Placement test or appropriate high school GPA (within last 3 years). Please consult your advisor.
MATH 1230	Trigonometry	"C" or better in MATH 1215 or satisfactory score on ACT math or Placement test or appropriate high school GPA (within last 3 years). Please consult your advisor.
MATH 1510	Calculus I	"C" or better in MATH 1220 and 1230 or satisfactory score on ACT math or Placement test or appropriate high school GPA (within last 3 years). Please consult your advisor.
BIOL 2210/L	Anatomy and Physiology I and Lab	BIOL 2110-Principles of Biology (Cellular) and Lab with a grade of "C" or better in each course. (Chemistry 1215/1215L is strongly recommended.)
BIOL 2225/L	Anatomy and Physiology II and Lab	BIOL 2210. (Chemistry 1215/1215L is strongly recommended.)
CHEM 1215/L	General Chemistry I for STEM and Lab	NEXT-GEN ACCUPLACER scores as specified in each area: 250 or better in Arithmetic, 250 or better in Quantitative Reasoning, 236 or better in Advanced Algebra. Alternative to NEXT-Gen ACCUPLACER scores: minimum ACT math score of 23 or minimum of C in MATH 1215 or higher math course. Corequisite: CHEM 1215L.
CHEM 1225/L	General Chemistry II for STEM and Lab	CHEM 1215 and NEXT-GEN ACCUPLACER scores as specified in each area: 250 or better in Arithmetic, 250 or better in Quantitative Reasoning, 236 or better in Advanced Algebra. Alternative to NEXT-Gen ACCUPLACER scores: minimum ACT math score of 23 or minimum of C in MATH 1215 or higher math course. Corequisite: CHEM 1225L.
PHYS 1230/L	Algebra-Based Physics I and Lab	A "C" or better in MATH 1220, 1230, or 1510) or a satisfactory score on Math Placement test or ACT/SAT. Corequisite: PHYS 1230L

****Options for this requirement:**

Requirement	Options
Mathematics (Gen Ed)	MATH 1120, MATH 1230, MATH 1510, MATH 1520, MATH 2530
Lab Science (Gen Ed)	BIOL 2110/L, BIOL 2610/L, BIOL 2210/L, BIOL 2225/L, BIOL 2310/L, CHEM 1215/L, CHEM 1225/L, GEOL 1120/L, GEOL 1110/L, PHYS 1230/L, PHYS 1240/L, PHYS 1310/L, PHYS 1320/L, GEOL 1110/L, GEOL 1120/L, GEOL 2110/L
Social and Behavioral Science (Gen. Ed)	ANTH 1115, ANTH 1140, ECON 2110, ECON 1110, POLS 1110, POLS 1120, POLS 2160, PSYC 1110, SOCI 1110, SOCI 2310
Humanity (Gen. Ed)	HIST 1110, HIST 1120, HIST 1150, HIST 1160, HIST 2110, HUMN 1110, HUMN 2110, PHIL 1115, PHIL 1120, RELI 1110, ENGL 1410, ENGL 2630, ENGL 2640, SPAN 1110, SPAN 1120
Creative and Fine Arts (Gen. Ed)	ARTS 1110, ARTS 2210, MUSC 1110, MUSC 1120, MUSC 1130, THEA 1110, ARTS 1610, ARTS 2160, ARTS 2140, ARTS 1310, ARTS 2130
Communication (Gen Ed)	ENGL 110, ENGL 1120, ENGL 2210, COMM 2120, COMM 1130, COMM 2140

†BIOL 1110/L, CHEM 1110/L and PHYS 1115/L does not count towards a major or minor in any science.