



Mathematics

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There are four main objectives of the Department of Mathematics: to provide a sound curriculum for students who wish to pursue a career in mathematics or mathematical education, to provide adequate training for students in science, engineering, and occupational technical programs; to provide math courses to satisfy general degree requirements, and to provide developmental courses to prepare students for college level work.

The courses listed below are suggested for students who wish to receive an associate degree at Midland College and transfer to a four-year college. An official degree plan should be filed the semester before graduation; please contact the Dean whose name is listed above.

The following is the suggested sequence of courses for this degree. A + indicates course with either a prerequisite or co-requisite. Courses without a prerequisite do not have to be taken in order. For example, HIST 1301 does not have to be taken before HIST 1302 since 1301 is not a prerequisite for 1302. Nevertheless, the general sequence should still be followed. Part-time students may require more than four semesters to complete their degree or certificate.

DEGREES & CERTIFICATES

Associate of Science

Semester I		Semester III	
+MATH 2413 Calculus I	4	+MATH 2415 Calculus III	4
ENGL 1301 Composition and Rhetoric	3	Speech ³	3
Natural Sciences ¹	4	GOVT 2301 Federal and State Government I	3
U.S. History ²	<u>3</u>	Humanities ⁴	3
	14	Math or Science Elective	<u>4</u>
			17
Semester II		Semester IV	
+MATH 2414 Calculus II	4	+MATH 2420 Differential Equations	4
+ENGL 1302 Composition and Literature	3	GOVT 2302 Federal and State Government II	3
Natural Sciences ¹	4	Other Social/Behavioral Sciences ⁵	3
U.S. History ²	<u>3</u>	Fitness and Wellness ⁶	1
	14	Visual and Performing Arts ⁷	3
		General Elective	<u>3-4</u>
			17-18
		TOTAL	62-63

¹Select from the Natural Sciences section of the Core Curriculum Course List.

²Select from the U.S. History portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.

³Select a Speech (SPCH) course from the Communications section of the Core Curriculum Course List.

⁴Select from the Humanities section of the Core Curriculum Course List.

⁵Select from the Other Social/Behavioral Sciences portion of the Social and Behavioral Sciences section of the Core Curriculum Course List.

⁶Select from the Fitness and Wellness section of the Core Curriculum Course List.

⁷Select from the Visual and Performing Arts section of the Core Curriculum Course List.