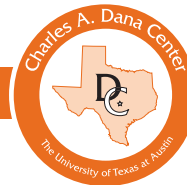


Advanced Mathematical Decision Making

A great course for your future

A project of The Charles A. Dana Center at The University of Texas at Austin in partnership with the Texas Association of Supervisors of Mathematics



AMDM is ...

Advanced Mathematical Decision Making is a mathematics course that follows Algebra I, Geometry, and Algebra II. It builds on, reinforces, and extends what you have learned in these courses, and it covers a range of interesting topics, many of which have not been part of high school mathematics courses—such as statistics in the media, managing data, network graphs, and understanding credit, debt, and investments.

Algebra I, Geometry, and Algebra II can be a good basic foundation for the future. In today's rapidly changing global environment, however, you need 21st-century skills that go beyond this sequence. The state of Texas, along with a growing number of other states, has increased the mathematics requirement for high school graduation as part of a "4-by-4" graduation plan, providing you with an opportunity to learn more mathematics that will be part of life after high school.

In today's world, studying mathematics helps you prepare for good jobs and college majors, whether you pursue science, engineering, business, health care, computers, the arts—or a field that may not even exist yet. Mathematics also helps make sense of the numbers and quantitative information we deal with daily. For example, you might use mathematics to determine how much money you need to invest in order to retire at a certain age or to discuss statistical studies about health issues reported in the media.

AMDM may be the mathematics course for you because ...

- AMDM prepares you for a variety of future paths, either in college or the workplace, including careers in the social sciences, computer sciences, business, and health fields.
- AMDM gives you 21st-century tools to deal with the numerical information you see every day. It will help you make well-informed decisions as a voter and participant in society.
- AMDM helps you maintain the mathematics skills you have learned before so that you can better perform on placement tests or aptitude tests for college or work.
- AMDM meets the mathematics requirement of the 4-by-4 recommended graduation plan.
- AMDM lets you build on and use what you have learned in Algebra I and II and Geometry by providing an opportunity to model real situations and solve relevant problems.
- If you do not already love mathematics, AMDM engages you in some topics and activities that might change your mind. If you already love mathematics and are thinking about a mathematics-related career, AMDM can be a great elective to accompany or follow your precalculus or AP calculus course.

