

MASTER OF SCIENCE IN MATHEMATICS TEACHING

Web Site: <https://twu.edu/mathematics/graduate-programs/>

Marketable Skills

Defined by the Texas Higher Education Coordinating Board's 60x30 Strategic Plan (<https://reportcenter.highered.texas.gov/agency-publication/miscellaneous/thecb-60x30-strategic-plan/>) as, "Those skills valued by employers that can be applied in a variety of work settings, including interpersonal, cognitive, and applied skills areas. These skills can be either primary or complementary to a major and are acquired by students through education, including curricular, co-curricular, and extracurricular activities."

1. Assemble sets of assumptions and explore the consequences of each set.
2. Perform computations and apply methods of numerical analysis to data.
3. Determine appropriate methods for data analysis.
4. Prepare and deliver lectures to students, prepare and evaluate assignments on mathematics topics taught in public schools.
5. Disseminate research by writing reports, publishing papers, or presenting at professional conferences.
6. Demonstrate personal accountability and work habits, integrity, and ethical behavior.
7. Proficient in the software tools to achieve the skills listed, such as Geogebra and Geometer's Sketchpad.