

Required Learning Objectives – Math

At the Core Curriculum Forum for Math, the following was recommended as the over-arching objectives that will be claimed by the math core curriculum:

As a result of their experience with the core curriculum, UNT graduates will:

- explore math
- make connections between different areas of knowledge and different ways of knowing
- be able to locate, evaluate and organize information including the use of information technologies
- think critically and creatively, learning to apply different systems of analysis
- develop problem solving skills
- cultivate self-responsibility, building a foundation for life-long learning

At the Core Curriculum Forum for Math, the following was recommended as the exemplary educational objectives that will be claimed by the math core curriculum:

Exemplary Educational Objectives

1. To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.
2. To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.
3. To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.
4. To interpret mathematical models such as formulas, graphs, tables and schematics, and draw inferences from them.