School of Natural Sciences and Mathematics

The School of Natural Sciences and Mathematics (NS&M) houses six departments, each with graduate programs: Actuarial Science (MS), Chemistry (MS, PhD); Geosciences (MS, PhD); Mathematical Sciences, emphasizing Applied Mathematics and Statistics (MS, PhD); Molecular and Cell Biology (MS, PhD); Physics (MS, PhD); and Science and Mathematics Education (Master of Arts in Teaching). In addition, there are two interdisciplinary degrees offered: Master of Science in Bioinformatics and Computational Biology, and Master of Science in Biotechnology. Each is relatively small and thus able to provide excellent graduate student-faculty contact. However, each maintains a strong research program. Increasingly, departments interact with each other in research, allowing interdisciplinary efforts to flourish. A number of well-funded Research Centers and Institutes are also housed in NS&M; these allow graduate students to approach real-world, cutting-edge research problems while working side by side with professional research staff and internationally recognized faculty. They are: the Center for Applied Biology; the Center for Lithospheric Studies; the UT Dallas NanoTech Institute; the Center for Quantum Electronics; and the Center for Space Sciences.

Degrees Offered

Actuarial Science

- Master of Science in Actuarial Science (36 hours minimum)

Biology

- Master of Science in Molecular and Cell Biology (36 hours minimum)
- Doctor of Philosophy in Molecular and Cell Biology (75 hours minimum beyond the baccalaureate degree)

Chemistry

- Master of Science in Chemistry (30 hours minimum)
- Doctor of Philosophy in Chemistry (75 hours minimum beyond the baccalaureate degree)

Geosciences

- Master of Science in Geosciences (36 hours minimum)
- Master of Science in Geospatial Information Sciences (30 hours minimum)
- Doctor of Philosophy in Geosciences (75 hours minimum beyond the baccalaureate degree)
- Doctor of Philosophy in Geospatial Information Sciences (75 hours minimum beyond the baccalaureate degree)
- Graduate Certificate in Remote Sensing (15 hours minimum)

Mathematical Sciences
• **Master of Science in Mathematics - Specialization in Applied Mathematics** (36 hours minimum)
• **Master of Science in Mathematics - Specialization in Engineering Mathematics** (36 hours minimum)
• **Master of Science in Mathematics - Specialization in Mathematics** (36 hours minimum)
• **Master of Science in Mathematics - Specialization in Statistics** (36 hours minimum)
• **Doctor of Philosophy in Mathematics - Specialization in Applied Mathematics** (75 hours minimum beyond the baccalaureate degree)
• **Doctor of Philosophy in Mathematics Specialization in Statistics** (75 hours beyond the baccalaureate degree)

**Physics**

• **Master of Science in Physics** (30 hours minimum)
• **Doctor of Philosophy in Physics** (75 hours minimum beyond the baccalaureate degree)

**Science and Mathematics Education**

• **Master of Arts in Teaching in Science Education** (37 hours minimum)
• **Master of Arts in Teaching in Mathematics Education** (37 hours minimum)

**Interdisciplinary Studies**

• **Master of Science in Bioinformatics and Computational Biology** (36 hours minimum)
• **Master of Science in Biotechnology** (36 hours minimum)
• **Doctor of Philosophy in Geospatial Information Sciences** (75 hours minimum beyond the baccalaureate degree)