College of Science traces its roots to the Lewis Institute, founded in 1895, and to Armour Institute of Technology, founded in 1892. The college offers more than 90 rigorous and relevant programs in mathematics and the sciences at the undergraduate and graduate level (including master’s, professional master’s, and Ph.D.) through six departments: applied mathematics; biology; chemistry; computer science; mathematics and science education; and physics.

**Applied Mathematics**

- Master of Applied Mathematics
- Master of Science in Applied Mathematics
- Doctor of Philosophy in Applied Mathematics

**Joint Degree Programs**

- Master of Data Science (with Computer Science)
- Master of Mathematical Finance (with Business)
- Master of Science in Computational Decision Sciences and Operations Research (with Computer Science)

**Biology**

- Master of Biology
- Master of Science in Biology
- Master of Science in Biology for the Health Professions
- Master of Science in Biology with Specialization in Applied Life Sciences
- Master of Science in Biology with Specialization in Biochemistry
- Master of Science in Biology with Specialization in Cell and Molecular Biology
- Master of Science in Biology with Specialization in Microbiology
- Master of Science in Molecular Biochemistry and Biophysics
- Doctor of Philosophy in Biology
- Doctor of Philosophy in Molecular Biochemistry and Biophysics

**Chemistry**

- Master of Chemistry
- Master of Chemistry in Analytical Chemistry
- Master of Chemistry in Materials Chemistry
- Master of Science in Analytical Chemistry
- Master of Science in Chemistry
- Doctor of Philosophy in Chemistry

**Certificates**

- Analytical Method Development
- Analytical Spectroscopy
- Chromatography
- Materials Chemistry
- Regulatory Science
Computer Science

- Master of Computer Science
- Master of Computer Science with specialization in:
  - Business
  - Computational Intelligence
  - Cyber-Physical Systems
  - Data Analytics
  - Database Systems
  - Distributed and Cloud Computing
  - Education
  - Finance
  - Information Security and Assurance
  - Networking and Communications
  - Software Engineering

- Master of Science in Computer Science
- Doctor of Philosophy in Computer Science

Joint Degree Programs

- Master of Data Science (with Applied Mathematics)
- Master of Telecommunications and Software Engineering (with Electrical and Computer Engineering)
- Master of Science in Computational Decision Sciences and Operations Research (with Applied Mathematics)

Dual Degree Program

- Master of Science in Computer Science/Master of Chemical Engineering (with Chemical and Biological Engineering)

Certificates

- Computational Intelligence
- Cyber-Physical Systems
- Data Analytics
- Database Systems
- Distributed and Cloud Computing
- Information Security and Assurance
- Networking and Communications
- Software Engineering

Physics

- Master of Health Physics
- Master of Science in Applied Physics
- Master of Science in Physics
- Doctor of Philosophy in Physics

Certificates

- Radiological Physics