

## STEM Majors

**PLEASE NOTE:** If you have not chosen a specific STEM major as of today, but have an interest in a STEM field, please indicate your major as “STEM Undeclared” on the application.

### **CHEMISTRY:**

- Chemical Catalysis
- Chemical Measurement and Imaging
- Chemical Structure, Dynamics, and Mechanism
- Chemical Synthesis
- Chemical Theory, Models and Computational Methods
- Chemistry of Life Processes
- Environmental Chemical Systems
- Macromolecular, Supramolecular, and Nanochemistry
- Sustainable Chemistry

### **COMPUTER AND INFORMATION SCIENCE AND ENGINEERING (CISE):**

- Computer Science and Engineering
- Computer Architecture
- Informatics
- Machine Learning
- Robotics and Computer Vision
- Software Systems and Software Engineering

### **ENGINEERING**

- Aeronautical and Aerospace
- Bioengineering
- Biomedical
- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical and Electronic
- Energy
- Environmental
- Industrial Engineering & Operations Research

- Materials
- Mechanical Engineering
- Nuclear
- Ocean
- Optical Engineering
- Polymer
- Systems Engineering

## **GEOSCIENCES**

- Atmospheric Chemistry
- Aeronomy
- Biogeochemistry
- Biological Oceanography
- Chemical Oceanography
- Climate and Large-Scale Atmospheric Dynamics
- Geobiology
- Geochemistry
- Geodynamics
- Geophysics
- Glaciology
- Hydrology
- Magnetospheric Physics
- Marine Biology
- Marine Geology and Geophysics
- Paleoclimate
- Paleontology and Paleobiology
- Petrology
- Physical and Dynamic Meteorology
- Physical Oceanography
- Sedimentary Geology
- Solar Physics
- Tectonics

## **LIFE SCIENCES**

- Cognitive Neuroscience
- Biochemistry
- Biophysics
- Cell Biology

- Developmental Biology
- Ecology
- Environmental Science
- Evolutionary Biology
- Genetics
- Genomics
- Microbiology
- Molecular Biology
- Neurosciences
- Organismal Biology
- Physiology
- Proteomics
- Structural Biology
- Systematic Biology
- Biology

### **MATERIALS RESEARCH**

- Biomaterials
- Ceramics
- Chemistry of materials
- Electronic materials
- Materials theory
- Metallic materials
- Photonic materials
- Physics of materials
- Polymers

### **MATHEMATICAL SCIENCES**

- Algebra, Number Theory, and Combinatorics
- Analysis
- Applied Mathematics
- Biostatistics
- Computational and Data-enabled Science
- Computational Mathematics
- Computational Statistics
- Geometric Analysis
- Logic or Foundations of Mathematics
- Mathematical Biology

- Topology

## **PHYSICS AND ASTRONOMY**

- Astronomy and Astrophysics
- Atomic, Molecular and Optical Physics
- Condensed Matter Physics
- Nuclear
- Particle Physics
- Physics of Living Systems
- Plasma
- Solid State
- Theoretical Physics
- Physics

## **STEM EDUCATION AND LEARNING RESEARCH**

- Engineering Education
- Mathematics Education
- Science Education
- Technology Education