

SCHOOL OF SCIENCE AND ENGINEERING

Biological and Biomedical Systems (BBS)

- **Biological Sciences**
 - Minor: Biology (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/minor-biology/>)
 - Bachelor of Arts: Biology (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/bachelor-of-arts-biology/>)
 - Bachelor of Science: Biology (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/bachelor-of-science-biology/>)
 - Bioinformatics Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/bachelor-of-science-bioinformatics/>)
 - Biomedical Sciences Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/bachelor-of-science-biomedical-sciences/>)
 - Biotechnology Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/bachelor-of-science-biotechnology/>)
 - Cellular and Molecular Basis of Health and Disease Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/bachelor-of-science-cellular-molecular-basis-of-health-and-disease/>)
 - Clinical Laboratory Science Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/bachelor-of-science-clinical-laboratory-science/>)
 - Master of Arts: Biology (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/master-of-arts-biology/>)
 - Master of Science: Cellular and Molecular Biology (<http://catalog.umkc.edu/colleges-schools/science-engineering/biology/master-of-science-cellular-molecular-biology/>)
- **Biomedical Engineering**
 - Bachelor of Science: Biomedical Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/biomedical/bachelor-of-science-biomedical-engineering/>)
 - Master of Science: Biomedical Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/biomedical/master-of-science-biomedical-engineering/>)

Computing, Analytics, and Mathematics (CAM)

- **Computer Science**
 - Minor: Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/minor-computer-science/>)
 - Bachelor of Arts: Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/bachelor-of-arts-computer-science/>)
 - Bachelor of Information Technology (BIT) (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/bachelor-of-information-technology/>)
 - Bachelor of Science: Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/bachelor-of-science-computer-science/>)
 - Master of Science: Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/master-of-science-computer-science/>)
 - Master of Science: Data Science and Analytics (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/master-of-science-data-science-analytics/>)
 - Doctor of Philosophy: Computer Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/computer-science/doctor-of-philosophy-computer-science/>)
 - **Mathematics and Statistics**
 - Minors: Actuarial Science (<http://catalog.umkc.edu/colleges-schools/science-engineering/mathematics-statistics/minor-actuarial-science/>); Data Analytics (<http://catalog.umkc.edu/colleges-schools/science-engineering/mathematics-statistics/minor-data-analytics/>); Mathematics (<http://catalog.umkc.edu/colleges-schools/science-engineering/mathematics-statistics/minor-mathematics/>); Statistics (<http://catalog.umkc.edu/colleges-schools/science-engineering/mathematics-statistics/minor-statistics/>)
 - Bachelor of Arts: Mathematics and Statistics (<http://catalog.umkc.edu/colleges-schools/science-engineering/mathematics-statistics/ba-mathematics-statistics/>)
 - Bachelor of Science: Mathematics and Statistics (<http://catalog.umkc.edu/colleges-schools/science-engineering/mathematics-statistics/bs-mathematics-statistics/>)
 - Master of Science: Mathematics (<http://catalog.umkc.edu/colleges-schools/science-engineering/mathematics-statistics/master-of-science-mathematics/>)
 - Master of Science: Statistics (<http://catalog.umkc.edu/colleges-schools/science-engineering/mathematics-statistics/master-of-science-statistics/>)
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Energy, Matter and Systems (EMS)

- **Electrical Computer Engineering**
 - Bachelor of Science: Electrical and Computer Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/electrical-computer-engineering/bachelor-of-science-electrical-computer-engineering/>)
 - BS-MS Electrical and Computer Engineering/Electrical Engineering Program (<http://catalog.umkc.edu/colleges-schools/science-engineering/electrical-computer-engineering/bs-ms-electrical-engineering/>)
 - Master of Science: Electrical Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/electrical-computer-engineering/master-of-science-electrical-engineering/>)
 - Doctor of Philosophy: Electrical and Computer Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/electrical-computer-engineering/doctor-of-philosophy-electrical-computer-engineering/>)
- **Chemistry**
 - Minor: Chemistry (<http://catalog.umkc.edu/colleges-schools/science-engineering/chemistry/minor/>)
 - Bachelor of Arts: Chemistry (<http://catalog.umkc.edu/colleges-schools/science-engineering/chemistry/bachelor-of-arts/>)
 - Bachelor of Science: Chemistry (<http://catalog.umkc.edu/colleges-schools/science-engineering/chemistry/bachelor-of-science/>)
 - Master of Science: Chemistry
 - Non-Thesis Based (<http://catalog.umkc.edu/colleges-schools/science-engineering/chemistry/master-of-science-non-thesis-based/>)
 - Thesis Based (<http://catalog.umkc.edu/colleges-schools/science-engineering/chemistry/master-of-science-thesis-based/>)
- **Physics**
 - Minors: Astronomy (<http://catalog.umkc.edu/colleges-schools/science-engineering/physics-astronomy/astronomy-minor/>); Physics (<http://catalog.umkc.edu/colleges-schools/science-engineering/physics-astronomy/physics-minor/>)
 - Bachelor of Arts: Physics (<http://catalog.umkc.edu/colleges-schools/science-engineering/physics-astronomy/physics-ba/>)
 - Bachelor of Science: Physics (<http://catalog.umkc.edu/colleges-schools/science-engineering/physics-astronomy/physics-bs/>)
 - Astronomy Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/physics-astronomy/physics-bs-astro-emph/>)
 - Physics/Engineering Double Degree (<http://catalog.umkc.edu/colleges-schools/science-engineering/physics-astronomy/physics-engineering/>)
 - Master of Science: Physics (<http://catalog.umkc.edu/colleges-schools/science-engineering/physics-astronomy/master-of-science-physics/>)
- **Mechanical Engineering**
 - Bachelor of Science: Mechanical Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/mechanical-engineering/bachelor-of-science-mechanical-engineering/>)
 - Master of Science: Mechanical Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/mechanical-engineering/master-of-science-mechanical-engineering/>)
 - Doctor of Philosophy: Mechanical Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/mechanical-engineering/doctor-of-philosophy-mechanical-engineering/>)

Natural and Built Environment (NBE)

- **Civil Engineering**
 - Bachelor of Science: Civil Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/civil-engineering/bachelor-of-science-civil-engineering/>)
 - Graduate Certificate: Engineering and Construction Project Management (<http://catalog.umkc.edu/colleges-schools/science-engineering/civil-engineering/engineering-construction-project-managment-certificate/>)
 - Master of Science: Civil Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/civil-engineering/master-of-science-civil-engineering/>)
 - Doctor of Philosophy: Civil Engineering (<http://catalog.umkc.edu/colleges-schools/science-engineering/civil-engineering/doctor-of-philosophy-civil-engineering/>)
- **Architecture**
 - Bachelor of Architecture (<http://catalog.umkc.edu/colleges-schools/science-engineering/architecture-urban-planning-design/architecture-major/>)
 - Architectural Studies Major (<http://catalog.umkc.edu/colleges-schools/science-engineering/architecture-urban-planning-design/architectural-studies-major/>)
- **Urban Planning & Design and Historic Preservation**
 - Minor: Urban Studies (<http://catalog.umkc.edu/colleges-schools/science-engineering/architecture-urban-planning-design/minor-urban-studies/>)
 - Bachelor of Arts: Urban Planning and Design (<http://catalog.umkc.edu/colleges-schools/science-engineering/architecture-urban-planning-design/urban-planning-design-ba/>)
 - Graduate Certificate: Historic Preservation (<http://catalog.umkc.edu/colleges-schools/science-engineering/architecture-urban-planning-design/historic-preservation-grad-cert/>)

• Earth and Environmental Sciences

- Minors: Environmental Communications (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/minor-environmental-communications/>); Environmental Studies (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/minor-environmental-studies/>); Environmental Sustainability (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/minor-environmental-sustainability/>); Geography (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/minor-geography/>); Geology (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/minor-geology/>)
- Undergraduate Certificate: Geographic Information Systems (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/undergraduate-certificate-program-gis/>) (GIS)
- Bachelor of Arts: Environmental Studies (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/bachelor-of-arts/>)
- Bachelor of Science: Earth and Environmental Science
 - Environmental Science Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/bachelor-of-science-environmental-science/>)
 - Geology Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/bachelor-of-science-geology/>)
 - Physical Geography Emphasis (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/bachelor-of-science-geography/>)
- Master of Science: Environmental and Urban Geosciences (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/master-of-science-environmental-urban-geosciences/>)
 - BS-MS: Earth and Environmental Sciences/Environmental and Urban Geoscience (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/bs-ms-environmental/>)s
 - BA-MS: Earth and Environmental Sciences/Environmental and Urban Geoscience (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/ba-ms-environmental/>)s
- Graduate Certificate: Geographic Information Systems (<http://catalog.umkc.edu/colleges-schools/science-engineering/ees/graduate-certificate-program-gis/>) (GIS)