NUCLEAR Engineering

We offer nuclear engineering as a concentration focused on the study and application of the properties of atomic nuclei and their reactions in areas such as energy production, industrial quality control, medical diagnostics or cancer treatment.

Explore important topics that include:

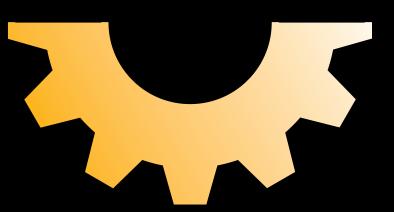
Environmental sustainability

Nuclear physics

Radiation technology

Advanced energy systems

Power generation





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MICHANICAL Engineering

One of the broadest engineering disciplines, mechanical engineering applies the principles of engineering, material science, physics and mathematics to design, analyze and manufacture mechanical systems such as vehicles, biomedical devices, consumer products, internal combustion engines and robotic systems — to name a few.

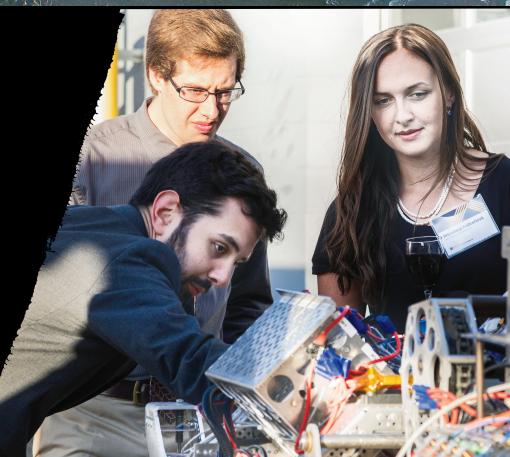
Study areas include:

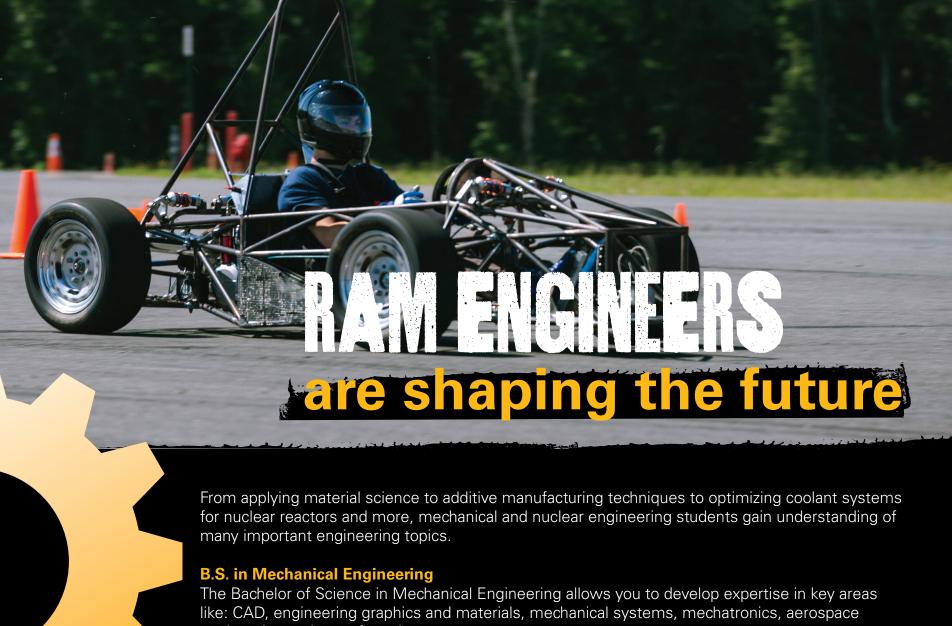
Additive Manufacturing

Computer-Aided Design

Mechatronics

Thermal Fluid Systems





engineering and manufacturing.

Nuclear engineering concentration

The Bachelor of Science in Mechanical Engineering with a concentration in nuclear engineering allows you to specialize your education and key areas of nuclear engineering fundamentals, nuclear fuel cycle and economics, nuclear power plants and radiation safety and shielding.

Access to learning spaces equipped with industry-strength tools allow you to apply the theoretical knowledge from lectures in practical, real-world lab environments.

These spaces include the Radiation Detection and Measurement Lab, Thermal Science Lab, Mechatronics Lab, Nuclear Reactor Simulator and the Maker Garage and Studio.

Your first job won't be your first job

Your journey at the College of Engineering moves you toward an engineering career. With internships, co-op experiences, lab opportunities and more, you'll have many opportunities to work with employers before graduation, developing an understanding for the kind of work you enjoy and building a network of relationships for the foundation of your career.

These opportunities include:

Cooperative **Education**

Work a full-time engineering job while maintaining student status. Get paid, learn valuable industry knowledge and grow your professional network.

Internships

Apply what you learn in the classroom in a professional setting to gain valuable practical experience.

Student Organizations

Find like-minded students Get school credit while with a passion for mechanical and nuclear engineering.

Vertically Integrated Projects (VIP)

leading and contributing to large-scale, multi-year research.

