SCIENCE, TECHNOLOGY, ENGINEERING AND MATH (STEM)

School Dean: Dr. Michelle Coach (michelle.coach@ctstate.edu)

CT State's School of Science, Technology, Engineering and Math provides students with courses and programs that offer students exposure to careers in high demand industries and programs designed to lead directly into employment or offer seamless transfer to four-year universities. STEM courses and programs are led by experienced faculty members who are experts in their respective fields. Our curriculum emphasizes hands-on learning, real-world applications, and collaboration.

For students interested in science, we offer a range of courses and programs designed to expose students to agriculture, natural resources, water management and science-based focused areas of biology, biochemistry, biotechnology, chemistry, environmental science, physics and marine science to name a few.

Our technology programs through the School of STEM focus on computer science and information technology and programs in manufacturing. Programs in computer science and information technology offer curriculum in networking, computer information systems, programming, artificial intelligence and cybersecurity. Meanwhile, our manufacturing related curriculum focuses on machining, robotics, mechatronics, and welding at one of our 11 Manufacturing Centers. Our manufacturing students learn on cutting-edge hands-on equipment that fosters the ability to have real world application, preparing students to enter the workforce in these technical career options. Pathway programs are also available in several majors, allowing students to gain course credits that directly transfer to a bachelor's degree program at partner colleges and universities.

For students interested in engineering, our school offers students the opportunity to explore their passions, develop practical skills, and engage with industry professionals. Whether you are interested in designing sustainable structures, mastering the latest software technologies, or delving into the intricacies of environmental engineering, our programs provide a solid foundation for success in the workforce or for transfer. Programming includes but is not limited to computer engineering technology, engineering science, environmental engineering, mechanical engineering, engineering technology, nuclear engineering technology, manufacturing engineering technology, and railroad engineering.

Students interested in mathematics have exposure to curriculum and programs in data science, digital analytics, and mathematics studies. These learning opportunities emphasize the acquisition of mathematical and scientific knowledge as well as the development of quantitative and scientific reasoning skills.

Whether you are looking for more immediate employment or plan on transferring to a four-year college or university, we have the programs and courses to match your interests and schedule.