



ENGINEERING TECHNOLOGY



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Shaping the future.

Are you ready to dive into the cutting-edge world of robotics and automation? Look no further than our Engineering Technology program, where students embark on an exciting journey to become masters of robotics and automation technologies.

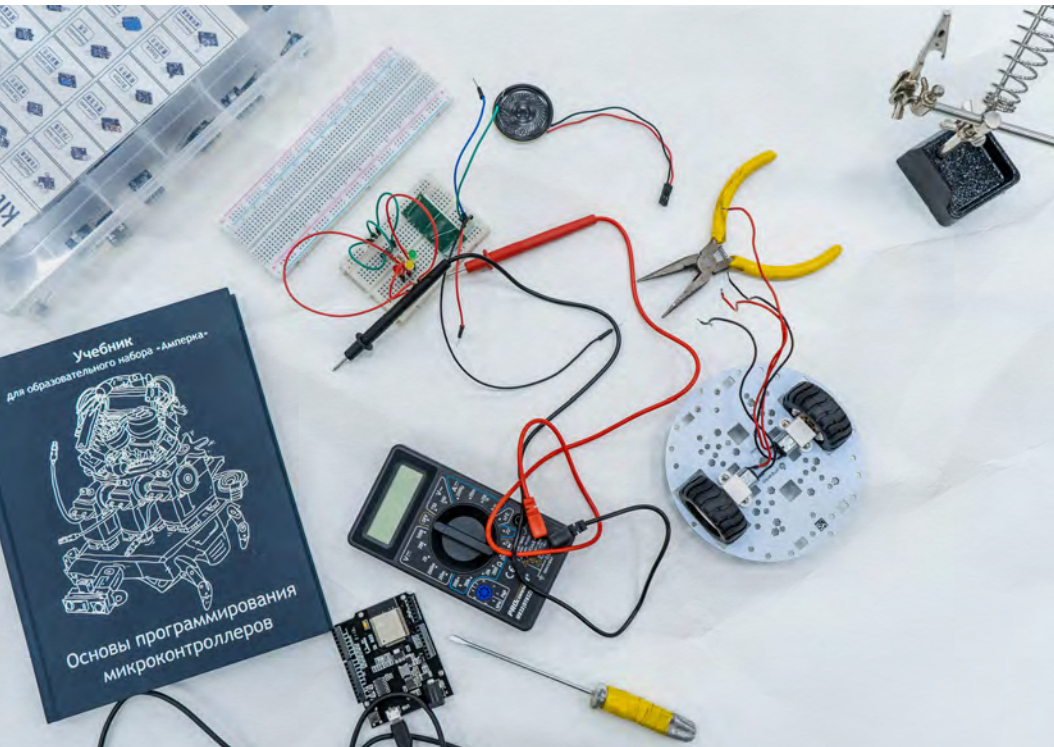
PROGRAM

HANDS-ON EXPERIENCE

Our curriculum is designed to provide students with extensive hands-on experience in designing, building, and controlling various types of robots. From mobile robots to industrial manipulators, students get to work with state-of-the-art equipment and tools, preparing them for real-world challenges.

AI INTEGRATION

In addition to mastering the fundamentals of robotics, students learn how to train smart robots using AI modules. By bridging the gap between AI and robotics, our students are equipped with the skills to develop intelligent systems capable of adapting to dynamic environments and complex tasks.



highlights

INDUSTRY-RELEVANT SKILLS

In today's era of Industry 4.0, automation is a driving force behind manufacturing innovation. Our program prepares students for the demands of the industry, ensuring they possess the skills and expertise necessary to excel in automation roles within manufacturing companies.

COMPREHENSIVE KNOWLEDGE

Beyond robotics, students gain in-depth knowledge of automatic manufacturing systems. From pneumatics and hydraulics to PLCs, microcontrollers, sensors, cameras, and motors, our curriculum covers all aspects essential for controlling and maintaining modern automated systems.



IN THE WORKFORCE

Engineering technology jobs encompass a broad spectrum of roles that blend technical expertise with practical application. Professionals in these fields design, develop, and maintain systems and products across various industries, from manufacturing to telecommunications to healthcare.

Potential Salary for Engineering Technology Graduates



Job Opportunities & Functions

- **Robotics Technologists** design, develop, and test robotic systems and applications and work on the creation of software and hardware components to control robotic devices
- **Automation Technologists** implement and oversee automated systems in manufacturing and production settings. Develop and optimize automation processes to increase efficiency and reduce human error.
- **Mechatronics Technologists** integrate mechanical, electronic, and software components to create intelligent systems.
- **Systems Integrators** combine different subsystems into a functioning whole, ensuring that the systems work together seamlessly.
- **Control Systems Technologists** design and implement control systems for machines and processes. Develop algorithms and use sensors and actuators to manage and regulate system behavior.
- **Maintenance Technologists** ensure that machinery and equipment operate smoothly and efficiently. Perform routine maintenance, troubleshoot issues, and repair or replace components as needed.
- **Field Service Technologists** provide on-site support and maintenance for robotic and automated systems.
- **Manufacturing Technologists** design and improve manufacturing processes and systems. Implement automation solutions to enhance production efficiency and product quality.
- **Process Technologists** develop and optimize industrial processes, focusing on improving efficiency, reducing

Why CBU?

- Affordable Tuition
- Internship/Co-Op Opportunities
- International Competitions
- 100% Employment Rate in 6 months (mechanical engineering major as of 2024)
- CBU offers exceptional return on investment: Ranked **#3** in the “Best Value Schools” according to *US News & World Report*
- **#13** out of 136 in Regional Universities South
- **#13** in “Best Undergraduate Teaching”
- **#12** in “Top Performers on Social Mobility”
- 91% of our full-time students receive financial assistance

LOCATED IN THE HEART OF MIDTOWN MEMPHIS

- Less than 2 miles from Overton Park, a 342-acre public park in Midtown Memphis
- Walking distance to the Cooper-Young and Overton Square Arts & Entertainment Districts

Bottom line — CBU graduates succeed.

More than 90 percent of our recent class was employed or attending graduate school within six months of graduation. In fact, more than 80 percent already had jobs or placement in graduate schools when they crossed the stage at graduation.



CHRISTIAN BROTHERS UNIVERSITY

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