

INTEGRATED ENGINEERING TECHNOLOGY

The Integrated Engineering Technology Program is a multi-disciplinary, design-project-based program. Integrated technology skills offer students the opportunity to pursue a career in installing and maintaining integrated manufacturing systems found in advanced manufacturing along with design improvements from the floor level perspective. With lean manufacturing processes as the focused approach, the program exposes students to lean concepts that apply to the technical aspects of electrical and mechanical integrated technology that are essential in the designing, installing, maintaining, and troubleshooting of highly automated and complex manufacturing systems. The program includes a study of the importance of personal professional behavior in the workplace and presentation skills that are implemented into all individual technical courses within the curriculum. Technical instruction components consist of the study of programmable logic controllers, robots, and various types of mechanical and programmable drives, electronic input and output sensing devices, and electro-hydraulic and pneumatic systems and equipment.

Degrees

- Integrated Engineering Technology - AAS (<https://catalog.kctcs.edu/programs-of-study/aas/integrated-engineering-technology/integrated-engineering-technology-aas/>)

Diplomas

- Integrated Engineering Technology - Diploma (<https://catalog.kctcs.edu/programs-of-study/aas/integrated-engineering-technology/integrated-engineering-technology-diploma/>)

Certificates

- Electrical Engineering Technology - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/integrated-engineering-technology/electrical-engineering-technology-certificate/>)
- Lean Systems Technology - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/integrated-engineering-technology/lean-systems-technology-certificate/>)
- Mechanical Engineering Technology - Certificate (<https://catalog.kctcs.edu/programs-of-study/aas/integrated-engineering-technology/mechanical-engineering-technology-certificate/>)