

Industrial Technology

Students will have the opportunity to learn skills in Industrial Electricity Systems, Fluid Power Systems, Mechanical Drive Systems, and Programmable Logic Controllers and Process Controls. Students will learn to program robotics and mechatronics. Mechatronics is a subset of robotics, a branch of technology that focuses on the design of automated machinery. Mechatronics is a diverse field that includes elements of electrical engineering, mechanical engineering and computer science. Program graduates will have the skills they need to move into manufacturing as well as careers in the production industry.

How You'll Learn Hands-On

Get out of the classroom and into the real world with projects such as:

- Troubleshoot AC electric motor control circuits
- Interpret schematics, system designs motor sequence controls and motor jogging
- Program, operate, interface and install programmable controllers

Where it Can Take You

Use the skills you'll learn in this program to find a career you'll love. Possibilities include:

- Automation Engineer
- Mechatronics Technician
- Industrial Maintenance Mechanic
- Industrial Production Manager

What You'll Learn

Course	Hours
Industrial Electricity	120
Fundamentals of Fluid Power	120
Mechanical Drive Systems	120
Programmable Logic Controllers & Process Controls	120
Workforce Connection	120

Total	600
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Career Readiness Certificate

[WorkKeys®](#), an assessment tool from the ACT® organization, measures skills employers have identified as critical to job success in their industry and are used in hiring and promoting employees. Students are able to earn the ACT®-issued [National Career Readiness Certificate](#) by meeting the score requirements for their job field on three WorkKeys® assessments.

Matching the right employees with the right job creates employee job satisfaction, increased self-confidence and the best wages possible for the employee. The employer benefits with reduced turnover and training, increased productivity and overall company success. To learn about the WorkKeys® scores needed for your future career field visit [Job Profiles](#).

Graduation Requirements

In order to be successful in a career, students will need to meet all technical and academic standards related to their career of choice at Meridian. Meridian offers rigorous programs of study designed in cooperation with business and industry to ensure students are fully prepared for the demands of the workplace.

Meridian's Career Ready Credential

When a student completes all standards as set forth in their program of study, they will be considered a graduate of Meridian and receive the Career Ready Credential. Students who do not meet these standards will not be considered graduates of Meridian. Students should have:

- Completed all courses in a career major with a grade of "C" or above and achieved required industry-based certifications for the career major
- Achieved WorkKeys® scores at or above the level required for the career major or earned an ACT® composite score of 19 or greater (Students may substitute equivalent scores on SAT, ACCUPLACER or other approved assessments.)

Additional Endorsements

Students earning a Career Ready Credential may also earn the Postsecondary Ready Endorsement, Citizenship Ready Endorsement and the National Career Readiness Certificate (CRC).

Postsecondary Ready Endorsement

- Earned, or was on track to earn, a high school diploma or GED at the time of Meridian graduation
- Achieved a subscore of 19 or greater on the ACT® in math, English, reading and science (Students may substitute equivalent scores on SAT, ACCUPLACER or other approved assessments.)

Citizenship Ready Endorsement

- Completed employment profile, résumé, job application, cover letter, mock interview and job search training through OKJobMatch.com
- Documented active membership in a [CareerTech Student Organization](#) or professional association related to the program of study
- Documented 20 hours of volunteerism or service in a community activity

National Career Readiness Certificate (CRC)

- Completed WorkKeys® assessments in Applied Math, Workplace Documents and Graphic Literacy and received a silver, gold or platinum National [Career Readiness Certificate](#) through the Oklahoma Department of Career and Technology Education.

Apply for [admission as a high school student](#). Apply for [admission as an adult](#). Contact the Career Planning Center with questions at [405.377.3333](tel:405.377.3333).