Certificate Programs in
Manufacturing Industrial Technology:
Engineering Technology

Jefferson Community & Technical College
HIGHER EDUCATION BEGINS HERE

This program gives individuals the background to work as assistants to engineers or as liaisons between engineers and skilled craftsmen, and as plant maintenance specialists.
Certificates allow students to obtain a credential in a specialized area while taking courses that will also apply to the diploma or associate in applied science degree.

Electronics Tester:
- ❑ ENGT110 *Electrical Circuits I*
- ❑ ENGT114 *Electrical Circuits II*

Electronics Technician I:
- ❑ Electronics Tester Certificate plus:
- ❑ ENGT210 *Devices I*
- ❑ ENGT120 *Digital Logic Circuits I*

Electronics Technician II:
- ❑ Electronics Technician I, plus:
- ❑ ENGT214 *Devices II*
- ❑ ENGT220 *Digital II*

Maintenance Technician I
- ❑ Electronics Tester, plus
- ❑ BRX120 *Basic Blueprint Reading* OR
  CAD100 *Introduction to Computer Aided Design*
- ❑ ET265 *Applied Fluid Power*

Maintenance Technician II
- ❑ Maintenance Technician I, plus:
- ❑ ET244 *Electrical Machinery and Controls*
- ❑ ET250 *Programmable Logic Controllers*

Communications Technician I
- ❑ Electronics Tester certificate, plus:
- ❑ ENGT210 *Devices I*
- ❑ ENGT214 *Devices II*
- ❑ ENGT120 *Digital Logic Circuits I*
- ❑ ENGT250 *Electronics Communication*

Computer Maintenance Technician
- ❑ Electronics Tester Certificate, plus:
- ❑ ENGT120 *Digital Logic Circuits*
- ❑ Computer Literacy
- ❑ ET234 Computer Hardware Maintenance
- ❑ ET232 *Computer Software Maintenance*

Robotics and Automation Helper
- ❑ Electronics Tester certificate, plus
- ❑ ET265 *Applied Fluid Power*

Robotics and Automation Technician
- ❑ Electronics Technician I, plus
- ❑ ENGT214 Devices II
- ❑ ET250 Programmable Logic controllers
- ❑ ET118 Computer Numerical Control
- ❑ ET265 Applied Fluid Power
- ❑ ENGT260 *Robotics and Industrial Automation*
- ❑ EET270/271 *Electrical Motor Controls I and Lab OR*
  ET244 Electrical Machinery and Controls

Industrial Technician I
- ❑ Electronics tester certificate, plus
- ❑ *ENGT120 Digital I*
- ❑ ET250 *Programmable Logic Controllers*

Industrial Technician II
- ❑ Electronics Technician II, plus:
- ❑ ET244 *Electrical Machinery and Controls*
- ❑ ET250 *Programmable Logic Controllers*

Mechanical Technician I
- ❑ ENGT110 Electrical Circuits I
- ❑ CHE105 *General College Chemistry I*
- ❑ ET201 *Statics and Strengths of Materials*
- ❑ ET210 *Thermodynamics Applications*
- ❑ ET264 *Mechanical Design*

CAD Technician I
- ❑ CAD100 Introduction to CAD
- ❑ CAD200 Intermediate CAD
- ❑ CAD201 Advanced 3D Modeling

Note: ET students should see an ET Program faculty member for advising before registering for courses <u>each</u> semester to ensure timely completion of degree.

KCTCS
Kentucky Community & Technical College System

For more information contact:

Prof. Mark Wright—ET Program Coordinator (502) 213-7235
Mark.Wright@kctcs.edu.

EDUCATION PAYS

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