



Electronics Technology

FACTS ...

- Basic electronics knowledge can help students diagnose/repair many commonly used electronic devices.
- Students learn basic electronics as it pertains to DC, AC, digital and solid state devices.
- Students are eligible to receive Tech Prep college credit for all three years of program study.

Abilities, Skills, and Knowledge that are important to be successful in this field.

ABILITIES

- Ability to work with others in a fast paced environment
- Read and understand work-related material

SKILLS

- Troubleshooting skills are essential
- Attention to detail
- Mastery of Basic Math operations/Algebra
- Hand eye coordination

KNOWLEDGE

- Understanding and following complex directions

Fact Sheet

Career Opportunities Include:

- Electronics
- Repair and maintenance
- Equipment technician
- Electrical Engineering

Graduates of this program have been employed by:

- Micron Technology, Inc.
- Hewlett Packard Company
- Western Electronics
- Motive Power, Inc.
- Best Buy
- Computrol



Employment Outlook & Salary Source: Department of Labor

Salary Ranges						
<u>OCCUPATION</u>	<u>Years of Education Needed</u>	<u>Openings per year</u>	<u>Entry Salary</u>	<u>ID Avg. Salary</u>	<u>NW Avg. Salary</u>	<u>U.S. Avg. Salary</u>
Electronics Technician	2 years/ OJT	6406	\$27,000	\$30,000	\$35,000	\$33,000
Entry Level Technician	2 Years/ OJT	6406	\$27,000	\$30,000	\$35,000	\$33,000
Maintenance Technician	2 Years/ OJT	6406	\$27,000	\$30,000	\$35,000	\$33,000
Electrical Engineer	4 years	50	\$39,000	\$42,000	\$47,000	\$45,000

**Dennis
Center
Course
Offerings**

<u>Electronics Technology Over- view:</u>		
PROGRAM/ YEARS	CREDITS (2 hr. block)	WEEKS
Electronics Technology 1	4	36
Electronics Technology 2	4	36
Electronics Technology 3	4	36

Program Description:

- **Electronics Technology 1**—Students perform experiments and learn techniques of designing, building, and soldering electronics circuits through hands-on skill training, along with related theory and career option. Electronics Technology 1 is the first year course of three years of study in electronics.
- **Electronics Technology 2**—This laboratory/lecture-based course will include the study of basic alternating current (AC) electronics. Alternating current measurements and measuring instruments, the use of complex math to solve AC circuits, a study of amplitude, phase, impedance, power in AC circuits and the characteristics of inductors, capacitors, and transformers are all covered in class.
- **Electronics Technology 3**—This course will further explore alternating current theory from Electronics Technology 2, and will explore areas of modern electronics, including digital and analog electronics. Coursework is project-based, with emphasis on the student performing specified tasks in a workplace environment, meeting deadlines, and performing required written documentation associated with each project.

Job Shadowing Opportunities:

- Hewlett Packard
- Micron Technologies, Inc.

Program Costs:

Students are required to purchase the following at an estimated cost of: \$25.00

- Safety Glasses \$5.00
- Class materials fee \$20.00

Program Selection Criteria:

Students are selected using the following criteria:

- Attendance
- Highest math level achieved
- Disciplinary actions
- Cumulative GPA
- Other: application, recommendations

Post-Secondary Education:

Tech Prep is a technical and academic post-secondary preparation program that enables students to earn college credits while still in high school. Tech Prep connects learning to career pathways and prepares students with technical skills, knowledge, and attitudes to enter high skill, high wage, or high demand occupations.

Transportation:

- Bus transportation is provided to and from the home high school to off-campus sites. Students who are completing an internship must provide their own transportation.

Contact Us:

For more information about the programs offered by the Dennis Center, please contact us at:

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