

Careers and Education in the Electronics Industry

1. Name the five main technical occupations in the electronics industry.
 - a.
 - b.
 - c.
 - d.
 - e.
2. Which technical occupation involves designing products, equipment, and systems?
 - a. Engineer
 - b. Engineering technologist
 - c. Scientist
 - d. Technicians
3. Which is NOT a function of support personnel in the electronics industry?
 - a. Customer service
 - b. Manufacturing
 - c. Sales and marketing
 - d. Training
4. Which degree does a technician job require?
 - a. AAS
 - b. BSEE
 - c. BSET
 - d. MBA
5. A technician can usually work their way into an engineering position.
 - a. True
 - b. False
6. The following degrees require 4 or more years of college EXCEPT
 - a. AAS
 - b. BSEE
 - c. BSET
 - d. MBA



7. If an AAS graduate transfers to a university with at BSET program
 - a. He will have to start from the beginning
 - b. His coursework for the AAS degree will usually transfer for credit
 - c. She will not be able to transfer to this type of program
 - d. She will only need a couple of classes to complete the degree
8. Graduates with a BSET degree will often be hired as engineers.
 - a. True
 - b. False
9. A PhD or doctorate degree is primarily for those interested in
 - a. Analysis and circuit design
 - b. Management or marketing
 - c. Teaching or advanced research
 - d. Troubleshooting and repair
10. Which is NOT a job typically performed by technicians?
 - a. Design
 - b. Installation
 - c. Maintenance
 - d. Service
11. Which type of technician will service and repair a wide range of equipment in the industry?
 - a. Maintenance technician
 - b. Manufacturing technician
 - c. Test technician
 - d. Wiring technician
12. A field service technician will do all of the following EXCEPT
 - a. Calibrate equipment
 - b. Install equipment
 - c. Manufacture equipment
 - d. Repair equipment
13. Some technician jobs can be more specific. All of the following are types of specific technician jobs EXCEPT
 - a. Biomedical technician
 - b. Engineering technician
 - c. Semiconductor manufacturing technician
 - d. Wireless cell phone technician



14. A technical trainer will
 - a. Solve customer problems over the phone
 - b. Train employees and customers on equipment
 - c. Work in a clean room
 - d. Write product manuals for the customer

15. What does a semiconductor manufacturing technician do?
 - a. Maintains equipment in a FAB
 - b. Repairs medical equipment
 - c. Services and maintains antennas
 - d. Works on interface connections and power sources

16. People who install and service analog/digital controllers are referred to as
 - a. Biomedical technicians
 - b. Process control technicians
 - c. Wireless cell phone technicians
 - d. Wireless LAN technicians

17. A person who writes proposals and makes presentations works in
 - a. Customer support
 - b. Sales and marketing
 - c. Technical writing
 - d. Training