



Department of Business & Industry

Program & Technical Standards for Electronics Engineering Technology Majors

Concerns with a Course

If you have any concerns about a course, including accessibility concerns, **first consult your instructor**. If after meeting with your instructor, if you feel that your concern has not been satisfactorily addressed, or if you feel that you cannot effectively communicate with your instructor about the issue, you may contact the following people in the following order:

Second Contact

Dean of Business and Industry: Douglas Long, (828) 565-4070, delong@haywood.edu
Department Assistant: Julie Newland (828) 627-4619

Third Contact

Vice President of Instruction: Wendy Hines, (828) 565-4069, whines@haywood.edu

Program Outcomes

The Electronics Engineering Technology degree program is designed to facilitate development of the following program outcomes:

1. Collect data and document trends electronically.
2. Translate resistor color codes.
3. Safely read voltage with a meter.
4. Continuity check wires and switches.
5. Troubleshoot circuits at terminal block points per a print.
6. Calculate wattage and current consumed by a given load.
7. Follow safety protocols.
8. Check diodes, capacitors, and transistors with a common meter to identify faults.
9. Operate computer hardware and software related to electronics engineering.
10. Properly wire different switch configurations to create logic circuits.
11. Properly wire a relay given a print.
12. Properly wire a time delay relay given a print.
13. Properly wire a PLC given a print.
14. Properly program a PLC given a logic description.
15. Properly build an electronic circuit on a bread board per a schematic.
16. Wire different solar panel configurations given a print.
17. Properly bend conduit for a solar panel system.
18. Properly select the right wire size for a solar panel system.
19. Complete a shade analysis for a solar power system install.

EXAMPLES ARE NOT ALL INCLUSIVE.

Haywood Community College is an ADA compliant institution. The College does not discriminate on the basis of disability in the admissions process or in access to its programs, services and/or activities for qualified individuals who meet essential eligibility requirements. The College will provide reasonable accommodations for documented disabilities of individuals who are eligible to receive or participate in college programs, services and/or activities. Student Services provides a disability counselor to assist students in requesting disability related accommodations. If a student believes that he/she cannot meet one or more of the essential functions without accommodations, the student is encouraged to disclose the disability to the disability counselor as soon as possible. Students must certify the ability to *meet essential functions of the curriculum by a signed statement in the beginning of the program.*



Clinical and Lab Activity Information

Program of Study: Electronics Engineering Technology

Department: Business & Industry

Job Requirements	Occasional	Frequent	Constant
Activity:			
(List # of lbs.) 50			
Lifting			
Static Knuckle Height	√		
Bench Height	√		
Ankle Height	√		
Shoulder Height	√		
Dynamic Bench Height (3 feet)			
To the Left	√		
From the Center	√		
To the Right	√		
Carrying	√		
Cart Height (3 feet)			
Pushing	√		
Pulling	√		
List Frequency Only:			
Sitting	√		
Standing/Walking	√		
Climbing			
Stairs	√		
Ladder	√		
Balance			
Stooping	√		
Kneeling	√		
Crouching	√		
Crawling	√		
Reaching			
Forward	√		
Overhead	√		
Bending Reach	√		
Other	√		
Handling		√	
Fingering		√	
Feeling		√	
Hearing		√	
Seeing			
Near		√	
Distance		√	
Reading		√	
Calculating		√	
Compiling		√	

Lifting Frequencies:

Occasional	1 lift every 30 minutes
Frequent	1 lift every 2 minutes
Constant	1 lift every 15 seconds

Other Activities:

Occasional	0-33% (1-20 min per hour)
Frequent	34-66% (21-40 min per hour)
Constant	67-100% (41-60 min per hour)