



## Department of Business & Industry

### Program & Technical Standards for Industrial Systems 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 Industrial Systems Technology* degree program is designed to facilitate development of the following program outcomes:

1. Interpret symbols, abbreviations, and line types.
2. Draw freehand sketches.
3. Demonstrate appropriate use of test equipment, evaluate circuit performance and apply appropriate troubleshooting techniques to electrical circuits.
4. Interpret electrical schematics.
5. Identify components of fluid power systems using symbols and schematics.
6. Assemble a fluid power circuit.
7. Describe and identify safety practices required to perform of various job-related activities.
8. Describe the application of OSHA procedures and requirements for compliance.
9. Identify and demonstrate use of hand tools.
10. Describe the operation of and assembly mechanical power transmissions and systems.

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:** Industrial Systems Technology

**Department:** Business & Industry

Job Requirements	Occasional	Frequent	Constant
<b>Activity:</b>			
(List # of lbs.) <b>50</b>			
Lifting			
Static Knuckle Height	√		
Bench Height	√		
Ankle Height	√		
Shoulder Height	√		
Dynamic Bench Height ( <b>3 feet</b> )			
To the Left	√		
From the Center	√		
To the Right	√		
Carrying	√		
Cart Height ( <b>3 feet</b> )			
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)