

## **Program Physical Demands Analysis**

Program	Electromechanical Engineering Technician - Robotics (T974)	Date	June 2025
Co-Ordinator	Thomas Forget	Chairperson	John Byng

		STRE	<u>NGTH</u>				
	WEIG	* FREQUENCY					
Physical Demands	Maximum (in lbs)	Usual (in lbs)	Never	Seldom	Minor	Required	Major
Lifting	20	5					
Carrying	20	5					
Pushing	20	5					
Pulling	20	5					
Fine Finger Movements							$\boxtimes$
Handling							$\boxtimes$
Gripping							
Reaching (Above Shoulder)							
Reaching (Below Shoulder)							
Foot Action (1 Foot)							
Foot Action (2 Foot)							
Comments:							

MOBILITY * EREQUENCY								
	* FREQUENCY							
Physical Demands	Never	Seldom	Minor	Required	Major			
Throwing		$\boxtimes$						
Sitting				$\boxtimes$				
Standing					$\boxtimes$			
Walking					$\boxtimes$			
Running	$\boxtimes$							
Climbing			X					
Bending/Stooping			$\boxtimes$					
Crouching			$\boxtimes$					
Kneeling		$\boxtimes$						
Crawling	$\boxtimes$							
Twisting								
Balancing		$\boxtimes$						
Comments:					,			

SENSORY / PER	* FREQUENCY					
Physical Demands	Never	Seldom	Minor	Required	Major	
Hearing - Conversation						
Hearing – Other Sounds				$\boxtimes$		
Vision – Far				$\boxtimes$		
Vision - Near					$\boxtimes$	
Vision - Colour			$\boxtimes$			
Vision - Depth				$\boxtimes$		
Perception - Spatial				$\boxtimes$		
Perception – Form				$\boxtimes$		
Feeling			$\boxtimes$			
Reading				$\boxtimes$		
Writing			$\boxtimes$			
Speech			$\boxtimes$			
Comments:						

**CONDITIONS OF WORK** 

**Accessibility** 

\* FREQUENCY

Seldom

Never

Required

☐ no

WORK ENVIRONMENT							
	* FREQUENCY						
Physical Demands	Never	Seldom	Minor	Required	Major		
Inside Work							
Outside Work		$\boxtimes$					
Hot/Cold				$\boxtimes$			
Humid/Dry				$\boxtimes$			
Dust				$\boxtimes$			
Vapour Fumes		X					
Noise					$\boxtimes$		
Moving Objects					$\boxtimes$		
Hazardous Machines					$\boxtimes$		
Electrical					$\boxtimes$		
Sharp Tools etc.					$\boxtimes$		
Radiant/Thermal Energy					$\boxtimes$		
Slippery					$\boxtimes$		
Congested Worksite					$\boxtimes$		
Comments:							

$\times$	Wheelchair accessible	⊠ yes L
	Comments:	
;		
	Program is wheelchair accessible, bu opportunities would possibly be whe	

**Physical Demands** 

Work Independent but in group

**Operate Equipment/ Machinery** 

Travelling Work Alone

Comments:

Deadline Pressures
Interact with Public

Indsutrial environments which can range from office type work to extreme heat/humidity of a factory floor. Students in this program are required to wear the following PPE: Safety Shoes and Safety Glasses.

## \* Frequency:

Never.....Not performed.

Major	.Major job demand.	Maximum ability required.	Frequent repetition for more than 3 hours daily.	