

PHYSICAL, SENSORY & MENTAL REQUIREMENTS
for the Classes:BIOMEDICAL ENGINEERING TECHNICIAN I - IV

All employees must be physically able to perform the essential duties of the position. The following physical, sensory and mental requirements are generally stated and are not necessarily descriptive of any one position in this class.

Physical			
Requirement	Occasional	Frequent	Comments/Related Job Duty
Sit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Read work request, inservice training., operating equipment & vehicles.
Stand	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All involved in daily duties.
Walk	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All involved in daily duties.
Bend	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bend to reach plug hidden behind equipment.
Squat	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All involved in daily duties.
Crawl	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Working under equipment, etc.
Climb	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Climb down ladder with tools, climb around equipment.
Reach Above Head	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Installing & repairing equipment.
Can Lift Unassisted:			
up to 10 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Daily job requirements.
11 – 20 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Daily job requirements.
21 – 50 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lifting equipment, tools, machinery.
51 lbs. & over	never- should get assistance		
Can Carry Unassisted:			
up to 10 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Daily job requirements.
11 – 20 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Daily job requirements.
21 – 50 lbs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lifting equipment, tools, machinery.
51 lbs. & over	never- should get assistance		

Physical (continued)

Requirement	Occasional	Frequent	Comments/Related Job Duty
Grasping: Right Hand	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Grasping of tools, equipment, splicing electrical wires, pipe fittings, etc.
Left Hand	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Grasping of tools, equipment, splicing electrical wires, pipe fittings, etc.
Both Hands	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Grasping of tools, equipment, splicing electrical wires, pipe fittings, etc. Wind up electrical cords, change ballast.
Push/Pulling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Push/pull heavy equipment, pulling electrical wires & computer cables, etc.

Fine Manipulating:	Right Hand	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Installing & repairing equipment, wires, computer cables.
	Left Hand	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Installing & repairing equipment, wires, computer cables.
	Both Hands	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Installing & repairing equipment, wires, computer cables.
Exposure to Heights		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Working on ladders to repair equipment.
Around Moving Machinery		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Working around A/C air handlers exhaust fans, medical equipment.
Exposure to Dust, Fumes		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Daily exposure to dust, solvents, chemicals, lubricants, etc.
Operate Foot Pedals:	Right Foot	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operating vehicles or machinery.
	Left Foot	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operating vehicles or machinery.
	Both Feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Operating vehicles or machinery.
Exposure to Marked Changes in Temperature & Humidity		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Drive a Vehicle		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposure to Sharp Instruments		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Utility knife, drill, etc.
Write		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Writing reports, service requisitions, order supplies, document work orders, preventive maintenance records, etc.

Sensory

Requirement	Comments/Related Job Duty
Can Distinguish Smells	Frequent-distinguish types of smell for solvents, chemicals, gasoline, diesel, fire/smoke, burning electrical wires, burned ballast., etc.
Can Distinguish Tastes	N/a
Can Hear: Normal Tones	Frequent-able to hear overhead PA announcements, alarms, page, radio calls, equipment operating normally, verbal instructions, detect machine malfunction, etc.
Soft Tones	Frequent
Can Distinguish Temperatures By Touch/Proximity	Frequent –hot & cold water pipes, equipment malfunctions.
Eyesight: Normal/Corrected	Frequent-able to operate equipment, vehicles, tools, distinguish colors, read instructions, labels, warning signs, read plans, etc.
Close Eye Work (reading small figures)	Frequent-repair electrical equipment, wire electrical plugs, replace ballast, read directions, operate tools & equipment, read electrical schematics, etc.

Mental

Requirement	Comments/Related Job Duty
Can Read, Speak and Write (What language/s)	English-in order to communicate and comprehend assignments, inservices, etc.
Is Oriented with Reality	Necessary
Can control Emotions (temper, etc.)	Necessary
Has Positive Attitude toward the ill, the Handicapped and the Elderly	Necessary
Can Remember/Recall	Necessary
Able to Work with Controlled Substances (drugs)	N/a

Can Handle Stress

Necessary-as it relates to both physical and mental.

This is the first physical requirement specifications for the classes, BIOMEDICAL ENGINEERING TECHNICIAN I – IV.

APPROVED: December 10, 2020

PAUL TSUKIYAMA
VP/Director of Human Resources