UW HEALTH JOB DESCRIPTION

		Biome	edical Ei	ngineering T	ech II			
	e: 510007	FLSA Status: No		Mgt. Approval:		Date: April 2022		
Departme	ent: Supply Chain – H	ealthcare Technol	ogy Mgt	HR Approval:	S. Whitlock	Date: April 2022		
			JOB S	SUMMARY				
Managem						of the UW Health Medical Equipment on and repair of biomedical equipment		
systems.						sophisticated medical equipment and troubleshooting computer operating		
as well as	s bench and in-shop lo d or scheduled. This pos	cations. This position	on keeps ac	curate records of	repairs made and	rating rooms and intensive care units d follows up with customers on work ibration, and operation of patient care		
	tion requires the incumb artment needs.	ent to be on call duri	ing some ev	enings, weekends	and holidays as n	eeded, based upon assigned location		
This posit		n to evaluate prototy	ypes or new	equipment (with	little or no printed	h clinical staff on a day-to-day basis. I information available) to ensure the		
		MAJ	OR RES	PONSIBILITI	ES			
1.						n both shop and critical care settings		
2.	including operating rooms, trauma units, emergency rooms, and various other patient care areas. Keep accurate records of all maintenance activities performed on assigned medical equipment and update the department							
Ζ.	database of this record				ieu medicai equip	inent and update the department		
3.					ough periodic perf	ormance checks and measurements		
	based on the UW Hea	alth Medical Equipm	ent Manage	ment Plan.				
4.					intaining medical	equipment including those issued by		
-	The Joint Commission				Taskaslasi Maa			
5.	seminars and reading				rechnology Mana	agement by periodically attending		
6.	Operate sophisticated							
7.	Repair/calibrate life support and other critical medical equipment and systems such as but not limited to the following: ventricular assist devices, anesthesia machines, mechanical ventilators, electrosurgical units, physiologic patient monitoring equipment, ECG and EEG equipment, Echo vascular ultrasounds, hypothermia units, blood pressure monitors, defibrillators, adult and pediatric heart catheterization lab equipment, electro-physiology lab equipment, mass spectrometer based anesthesia gas analysis system, hemodialysis and peritoneal dialysis systems, lasers, computerized ECG stress test systems, volumetric infusion pumps, diagnostic ultrasound, and holter systems.							
8.	Install and maintain various devices used to interface critical medical equipment data into the UW Health electronic medical record system (EPIC)							
9.	Ensure urgent device corrections, and equipment recalls are acted upon in a timely manner to ensure safety of patients, visitors, and staff.							
10.	Ensure medical equipment involved in or suspected to be involved with adverse patient interactions is processed in accordance with UW Health policy.							
11. 12.	Perform repairs and configuration updates to the nurse call system / network, including interfaces with middleware, ADT and alarm notification servers and equipment.							
	servers, enhanced web servers, ADT interface servers, alarm prioritizing and routing servers.							
 Coordinate corrective maintenance on selected critical communication systems including eme security distributed antenna systems as well as long range and over-head paging systems. 								
14.	Perform and coordinate repairs and configuration of non-invasive cardiology database management and acquisition system including ECG stress testing systems, diagnostic ultrasound, and PACS interfacing equipment.							
15.	Maintain and configure medical equipment alarm notification equipment, interfaces, and systems.							
16.	Maintain and configure electronic ICU servers and associated network equipment.							
17.	Perform repairs and configuration of data capture devices that interface clinical diagnostic and treatment equipment to institutional medical recording and data acquisition systems.							
18.		k orders, prioritize w	ork based o	on criticality and ac	curately documen	t all work in the department's		

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- 19. Provide outstanding customer service. Contact department customers and provide device repair status and estimated time of return. Resolve customer complaints in a diplomatic and professional manner.
- 20. Provide guidance to clinical users on proper use and care for diagnostic, treatment and monitoring equipment.
- 21. Demonstrate correct setup, calibration, and operation of patient care equipment to clinical staff as required.
- 22. Assist in the installation of medical equipment and systems by collaborating with clinical users in the selection of proper equipment for their needs, determining required infrastructure additions or changes, recommending mounting locations, and working with contractors to ensure proper equipment installation, cable routing, and labeling.
- 23. Attend OEM training sessions to obtain required equipment certifications and credentialing to perform regulated repair and maintenance of selected medical equipment and systems
- 24. Provide direction, assistance and give feedback to department interns on various equipment repair activities and procedures when requested.

ALL DUTIES AND REQUIREMENTS MUST BE PERFORMED CONSISTENT WITH THE UW HEALTH PERFORMANCE STANDARDS.

		JOB REC	QUIREN	IENTS			
Education	Minimum	Associate's degree in Electronics, Biomedical Engineering, or related field. Two of related experience would be considered in lieu of degree in addition to exper below.					
	Preferred						
Work Experience	Minimum	One (1) year exp mechanical equi		erience working with biomedical, electrical, electronics, IT, or ment.			
	Preferred	Two (2) years' previous experience as Biomedical Engineering Technician or elect related technical field experience.					
Licenses & Certifications	Minimum						
Required Skills, Knowledge	Preferred	OEM or computer system certifications applicable to UW Health.					
, , , , , , , , , , , , , , , , , , ,		 Ability to troi Thorough kr Knowledge Ability to und Ability to ma system (CM Basic knowl configuration Strong custo Ability to dia 	ubleshoot a nowledge c of physiolo derstand a iintain repo MS) edge of IT n. omer servio gnose and	and repair failu of sophisticated gical and medi nd follow estab orts utilizing a c (Information T ce skills.	eory including advanced res in medical equipmer l electronic test equipme cal terminology. lished preventive mainte omputerized maintenand echnology) terminology,	nt. Int and applications. Renance procedures. Ice management setup, and	
	mpetencies for dir		ent care pi	oviders who re	gularly assess, manage		
Instructions: Indicate		of patients served	either by	direct or indi	rect patient care by ch	ecking the	
appropriate boxes below Infants (Birth – 11 mo				Adolescent (1	3 - 19 years)		
Toddlers (1 – 3 years)				Adolescent (13 – 19 years) Young Adult (20 – 40 years)			
				Middle Adult (41 – 65 years)			
Preschool (4 – 5 years)				Older Adult (41 – 65 years)			
School Age (6 – 12 ye	ears)						
Review the employee's jo	bb description and	identify each essen	UNCTI tial function patient.		ned differently based on	the age group of the	
		PHYSICAL					
Indicate the appropriat						le accommodations	
may be made available for individuals with disabilities to perform a Physical Demand Level			Occasio		Frequent 34%-66% of the time	Constant 67%-100% of the time	
Sedentary: Ability to occasionally lifting and/ ledgers and small tools	or carrying such artic	cles as dockets,	Up to 1	0#	Negligible	Negligible	

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	one, which involves sitting, a certain amount of walking and standing is often necessary in carrying out job duties. Jobs are sedentary if walking and standing are required only occasionally and other sedentary criteria are met.			
	Light: Ability to lift up to 20 pounds maximum with frequent lifting and/or carrying of objects weighing up to 10 pounds. Even though the weight lifted may only be a negligible amount, a job is in this category when it requires walking or standing to a significant degree.	Up to 20#	Up to 10# or requires significant walking or standing, or requires pushing/pulling of arm/leg controls	Negligible or constant push/pull of items of negligible weight
X	Medium: Ability to lift up to 50 pounds maximum with frequent lifting/and or carrying objects weighing up to 25 pounds.	20-50#	10-25#	Negligible-10#
	Heavy: Ability to lift up to 100 pounds maximum with frequent lifting and/or carrying objects weighing up to 50 pounds.	50-100#	25-50#	10-20#
	Very Heavy: Ability to lift over 100 pounds with frequent lifting and/or carrying objects weighing over 50 pounds.	Over 100#	Over 50#	Over 20#
	er - list any other physical requirements or bona fide upational qualifications not indicated above:			

Note: The purpose of this document is to describe the general nature and level of work performed by personnel so classified; it is not intended to serve as an inclusive list of all responsibilities associated with this position.