**Acclerator Technician III Standard Job Description**

**Classification Title:** Accelerator Technician III

**FLSA Exemption Status:**Non-Exempt

**Pay Grade:** 10

**Minimum Pay:** $27.65

**Job Description Summary:**

The Accelerator Technician III, under general supervision, is responsible for more advanced operation of major machine areas; works on complex side projects; and specializes in a designated lab function or activity. Has high proficiency in all major machine equipment and support systems.

**Essential Duties and Responsibilities:**

**40% Equipment Operation and Maintenance**

* Operates camera and video systems.
* Operates LCW systems and cooling tower.
* Operates H-source system and tunes H- beam into K150.
* Operates ECR sources and tunes beam out of sources and into machines.
* Opens and closes K500 cyclotron.
* Uses RGA to assist in leak checking.
* Performs basic electrical repairs to system equipment.
* Performs basic cryogenic maintenance.

**20% Beam Tuning and System Checks**

* Tunes SEE beams into and out of K500 using runsheets.
* Conducts basic to intermediate leak checks and repairs.
* Tunes RF systems.
* Performs interlock checks.

**10% Staff Training and Documentation**

* Trains AT1 staff positions.
* Updates AT/Operations manuals as needed.
* Works with research and engineering staff as needed.

**10% Problem Resolution and Side Projects**

* Resolves basic problems of all machine subsystems.
* Able to work on side projects and uses time wisely.
* Maintains a fundamental understanding of all machine subsystems.
* Basic understanding of RAM system.

**20% Duty Title (for the department's use)**

* Remaining Percentage Can Be Determined by Department to Meet Business Needs or Can Be Incorporated into Percentages Above.

**Qualifications:**

**Required Education:**

* Associate degree in applicable field or equivalent combination of education and experience.

**Required Experience:**

* Seven years of previous experience required.

**Required Licenses and Certifications:**

* None

**Required Knowledge, Skills, and Abilities:**

* Ability to multitask and work cooperatively with others.
* Knowledge of basic electrical and mechanical systems.
* Ability to use basic hand tools.

**Additional Information:**

**Machines and Equipment:**

* Helium Leak Checker
* K500 RF System
* K150 RF System
* K500 Cryogenics Systems
* Vacuum Control Systems
* Beamline and Mode Control Systems

**Physical Requirements:**

* Ability to climb stairs and ladders.
* Ability to lift moderate weight objects.

**Other Requirements and Factors:**

* This position is security sensitive
* This position requires compliance with state and federal laws/codes and Texas A&M University System/TAMU policies, regulations, rules and procedures
* All tasks and job responsibilities must be performed safely without injury to self or others in compliance with System and University safety requirements

**Is this role ORP Eligible? If so, it needs to meet the criteria on the** [**Rules and Regulations of the Texas Higher Education Coordinating Board**](https://reportcenter.highered.texas.gov/reports/data/user-friendly-version-of-ch-25/)**.**

[ ]  **Yes**

[x]  **No**

**Does this classification have the ability to work from an alternative work location?**

[ ]  **Yes**

[x]  **No**