**Accelerator Technician II Standard Job Description**

**Classification Title:** Accelerator Technician II

**FLSA Exemption Status:** Non-Exempt

**Pay Grade:** 9

**Minimum Pay:** $24.05

**Job Description Summary:**

The Accelerator Technician II, under general supervision, is responsible for independent accelerator operating functions; performing basic repairs and system checks; replacing parts and assisting in advanced maintenance; identifies requirement for updating operations notes.

**Essential Duties and Responsibilities:**

**40% Equipment Operation and Monitoring**

* Operates and monitors RF systems.
* Maintains and operates cryogenics, vacuum/RAM/SWP systems, MODE control, LCW cooling tower, and beamline components.
* Conducts interlock checks.
* Conducts basic leak checking and replaces basic vacuum parts.
* Regenerates cryopumps.
* Replaces RAM system parts.

**20% System Tuning and Maintenance**

* Tunes RF systems.
* Performs basic tuning and scans of ion sources.
* Tunes ion source beam onto inflectors in cyclotrons.
* Pre-tunes RF for next beam.
* Degausses dipole magnets.
* Switches beamline modes.

**10% Technical Support**

* Provides technical support for researchers and experimenters.
* Repairs and maintains cyclotron and related devices.

**10% Documentation Review**

* Reviews AT manual and cyclotron operations notes to determine need for updates.

**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:**

* Three 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:**

* Electromechanical Valve and Solenoid Equipment
* Oscilloscopes
* Digital and Analog Multimeters
* Low Voltage Power Supplies
* Soldering Equipment
* Vacuum Pumps
* General Hand Tools

**Physical Requirements:**

* None

**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**