

MANUAL Student Employment Career Services	SECTION Student Job Description	PAGE 1 / 2 REVISED 5/24
SUBJECT Laboratory Research Assistant	RANK x195	GROUP V

DEFINITION:

Under the direction of a staff or faculty employee, a student performs the following duties:

- (a) Designs and constructs experimental instrumentation as directed by a faculty member.
- (b) Maintains and calibrates complex laboratory equipment to ensure consistent reliability.
- (c) Prepares and characterizes samples for use in experiments.
- (d) Performs experimental measurements necessary for successful support of ongoing experiments.

BASIC QUALIFICATIONS:

Must be a graduate level student. Must have advanced undergraduate training in the academic discipline with three (3) years of experimental laboratory experience, at least two (2) of which are advanced; must have demonstrated potential and creativity in previous laboratory work.

BASIC QUALIFICATIONS:

Three (3) years of experience at an advanced level in an experimental laboratory.

LEARNING OUTCOMES*:

- Show an awareness of own strengths and areas for development
- Identify areas for continual growth while pursuing and applying feedback
- Develop plans and goals.
- Display curiosity; seek out opportunities to learn.
- Communicate in a clear and organized manner so that others can effectively understand.
- Ask appropriate questions for specific information from specialists, supervisors, and others.
- Make decisions and solve problems using sound, inclusive reasoning and judgment.
- Accurately summarize and interpret data with an awareness of personal biases that may impact outcomes.
- Effectively communicate actions and rationale, recognizing the diverse perspectives and lived experiences of stakeholders.
- Multi-task well in a fast-paced environment.
- Keep an open mind to diverse ideas and new ways of thinking.

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- Use innovative thinking to go beyond traditional methods.
- Plan, initiate, manage, complete, and evaluate projects.
- Prioritize and complete tasks to accomplish organizational goals.
- Consistently meet or exceed goals and expectations.
- Have attention to detail, resulting in few, if any, errors in their work.

*Learning outcome descriptions from the [National Association of Colleges and Employers \(NACE\)](#).