Auburn University Job Description

Job Title:	**Prin Research Scientist/Eng**
Job Code:	**HC49**
FLSA status:	Exempt

Level I	Grade RE09 $54,400 - $92,500
Level II	Grade RE10 $60,300 - $108,500
Level III	Grade RE11 $69,400 - $124,900
Level IV	Grade RE12 $79,800 - $143,600
Level V	Grade RE13 $92,400 - $147,867

Job Summary

Conducts research in various fields of engineering or science to discover facts or perform research directed toward investigations, evaluation, and application of engineering or scientific theories and principles.

Essential Functions

1. Leads research and development projects requiring the applications of professional engineering or scientific practices and principles.
2. Provides technical contributions and develops concepts that lead to new leading edge technologies/techniques/methods.
3. Provides in-depth technical advice to other areas.
4. Operates, maintains, and repairs specialized equipment.
5. Advises faculty, postdocs, students, and staff with design, modification, prototype, processes, analysis procedures, and other engineering solutions.
6. Designs and fabricates equipment, materials, systems utilizing engineering and scientific practices and principles.
7. Ensures supplies are available and operational for use in projects.
8. May manage local computer systems for laboratory functionality.
9. Develops proposals, budgets, schedules and progress reports and presents results.
10. Evaluates findings to develop new concepts, equipment, or processes.

Supervisory Responsibility

May supervise employees but supervision is not the main focus of the job.

The above essential functions are representative of major duties of positions in this job classification. Specific duties and responsibilities may vary based upon departmental needs. Other duties may be assigned similar to the above consistent with the knowledge, skills and abilities required for the job. Not all of the duties may be assigned to a position.

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Job Family Levels

Level	Responsibility	Knowledge	Education and Experience*
1	Works under close supervision; receives specific and detailed instructions for required tasks and results expected. Performs a variety of routine tasks. Usually assumes no responsibility for direction of others.	Familiarity with engineering/scientific staff, methods, practices and programs.	PhD in engineering, science, or related field and no experience. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.
II	Performs standard engineering/scientific work requiring application of standard techniques and procedures. Assignments may include higher-level work for developmental purposes. Receives close supervision on new aspects of assignments. Uses prescribed methods, performs specific and limited segments of an experienced engineer's broader assignment.	Continuing developmental level. Limited exercise of judgment required when less common methods or procedures are necessary.	PhD in engineering, science, or related field plus 3 years professional experience. Experience must include at least 2 years at the preceding level or equivalent. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.
III	Plans and conducts work requiring judgment in independent evaluation, selection and substantial adaptation/modification of standard techniques, procedures, and criteria. Devises new solutions to problems encountered. Independently performs most assignments with instruction only regarding general expected results. May supervise a few engineers and/or technicians on project basis.	Fully competent in all conventional aspects of subject matter or functional area of assignments.	PhD in engineering, science, or related field plus 6 years professional experience. Experience must include at least 2 years at the preceding level or equivalent. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.
IV	Makes authoritative decisions and recommendations having important impact on extensive engineering or scientific activities. Determines program objectives and requirements, organizes programs, and projects, develops standards and guidelines for diverse engineering or scientific activities. As individual research or specialist, is recognized as leader and authority in broad area of specialization or intensely specialized field.	Applies diversified knowledge of engineering/scientific principles and practices to broad variety of assignments and related fields. Requires use of advanced techniques and modification and extension of theories, precepts and practices in individual's field.	PhD in engineering, science, or related field plus 9 years professional experience. Experience must include at least 2 years at the preceding level or equivalent. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.

V	Makes authoritative decisions and recommendations having important impact on extensive engineering or scientific activities. Determines program objectives and requirements, organizes programs, and projects, develops standards and guidelines for diverse engineering or scientific activities. As individual research or specialist, is recognized as leader and authority in broad area of specialization or intensely specialized field.	Applies a high degree of creativity, foresight, and judgment in anticipating and solving unprecedented engineering or scientific complexities.	PhD in engineering, science, or related field plus 12 years professional experience. Experience must include at least 2 years at the preceding level or equivalent. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.

* See the "Minimum Required Education and Experience" section of the job description for any substitutions that may be allowed for education and experience.

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Minimum Required Education and Experience

Level I PhD in engineering, science, or related field and no experience. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.

Level II PhD in engineering, science, or related field plus 3 years professional experience. Experience must include at least 2 years at the preceding level or equivalent. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.

Level III PhD in engineering, science, or related field plus 6 years professional experience. Experience must include at least 2 years at the preceding level or equivalent. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.

Level IV PhD in engineering, science, or related field plus 9 years professional experience. Experience must include at least 2 years at the preceding level or equivalent. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.

Level V PhD in engineering, science, or related field plus 12 years professional experience. Experience must include at least 2 years at the preceding level or equivalent. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required education.

Focus of Education

PhD in engineering or science. Candidates with a Bachelor's or Master's degree may substitute relevant experience toward the PhD requirement at the rate of two (2) years relevant experience per year of required edqucation.

Focus of Experience

Experience in engineering and research practices and principles.

Substitutions allowed for Education:

When a candidate has the required experience, but lacks the required education, they may normally apply additional relevant experience toward the education requirement, at a rate of two (2) years relevant experience per year of required education.

Substitutions allowed for Experience:

Indicated experience is required; no substitutions allowed.

Minimum Required Knowledge

See Job Family Levels

Certification or Licensure Requirements:

None Required.

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Physical Requirements/ADA

Occasional and/or light lifting required. Limited exposure to elements such as heat, cold, noise, dust, dirt, chemicals, etc., but none to the point of being disagreeable. May involve minor safety hazards where likely result would be cuts, bruises, etc.

Externally imposed deadlines; set and revised beyond one's control; interruptions influence priorities; difficult to anticipate nature or volume of work with certainty beyond a few days; meeting of deadlines and coordination of unrelated activities are key to position; may involve conflict-resolution or similar interactions involving emotional issues or stress on a regular basis.

Job frequently requires .

Job occasionally requires .

Vision requirements: Ability to see information in print and/or electronically.

Date: 6/21/2021