
Auburn University Job Description

Job Title:	Diagnostic Microbiologist	Level I	Grade 28 \$22,300 - \$37,200
Job Code:	IA04	Level II	Grade 29 \$25,000 - \$41,700
FLSA status:	Exempt	Level III	Grade 30 \$28,000 - \$46,700
		Level IV	Grade 31 \$31,300 - \$52,100

Job Summary

Investigates the growth, structure, development, and other characteristics of microscopic organisms, such as bacteria, algae, or fungi for University research.

Essential Functions

1. Isolates and makes cultures microorganisms cultures in prescribed media, controlling environmental conditions.
2. Performs tests on water, food and the environment to detect harmful microorganisms and to obtain information about sources of pollution and contamination.
3. Examines physiological, morphological, and cultural characteristics, using microscope, to identify and classify microorganisms.
4. Observes action of microorganisms upon living tissues of plants, higher animals, and other microorganisms, and on dead organic matter.
5. Investigates the relationship between organisms and disease, including the control of epidemics and the effects of antibiotics on microorganisms.
6. Prepare technical reports and recommendations based upon research outcomes.
7. Oversees and trains student workers in setting up biochemical tests and techniques in processing new samples.

Supervisory Responsibility

May be responsible for training, assisting or assigning tasks to others. May provide input to performance reviews of other employees.

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*
I	<p>Provides administrative and professional support to research programs and projects. Assists in developing plans and protocols. Responsible for equipment, materials, labor and support of facility/lab operations. Provides routine professional support of protocols/plans, documentation, observation and data collection. Records, processes, interprets and presents data. Work is performed under general guidance and is checked for compliance with protocols/plans; incumbent is expected to make some independent judgments and decisions.</p>	<p>Possesses general knowledge in the field of research, and has working knowledge of equipment, materials and processes related to lab/facility operations, including procedures for observation, documentation and data collection.</p>	<p>Bachelors degree in discipline appropriate to position and no experience.</p>
II	<p>Provides administrative and professional support to research programs and projects in moderately complex cases. Assists in developing plans and protocols. Responsible for equipment, materials, labor and support of facility/lab operations. Provides routine professional support of protocols/plans, documentation, observation and data collection. Records, processes, interprets and presents data. May supervise others but supervision is not a major part of the job. Work is performed under general guidance and is occasionally checked; incumbent is expected to make frequent independent judgments and decisions.</p>	<p>Possesses general knowledge in field of research, and has strong knowledge of moderately complex equipment, materials and processes related to lab/facility operations, including moderately complex procedures for observation, documentation and data collection.</p>	<p>Bachelors degree in discipline appropriate to position and 2 years experience.</p>
III	<p>Provides administrative and professional support to research programs and projects in moderately complex to complex cases. Assists in developing plans and protocols. Performs cost analyses and recommends budgets. Responsible for equipment, materials, labor and support of facility/lab operations. Provides routine professional support of protocols/plans, documentation, observation and data collection. Records, processes, interprets and presents data. May supervise others but supervision is not a major part of the job. Work is generally self-directed and incumbent is expected to make frequent independent judgments and original decisions.</p>	<p>Possesses general knowledge in the field of research, and has expert knowledge of complex equipment, materials and processes related to lab/facility operations, including complex procedures for observation, documentation and data collection.</p>	<p>Bachelors degree in discipline appropriate to position and 4 years experience, including at least 2 years at the preceding level or equivalent.</p>

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IV	Provides administrative and professional support to research programs and projects in highly complex cases. Assists in developing plans and protocols. Performs cost analyses and recommends budgets. Responsible for equipment, materials, labor and support of facility/lab operations. Provides routine professional support of protocols/plans, documentation, observation and data collection. Records, processes, interprets and presents data. May supervise others but supervision is not a major part of the job. Work is highly self-directed and incumbent is expected to make frequent independent judgments and original decisions.	Possesses general knowledge in the field of research, and has expert knowledge of highly complex equipment, materials and processes related to lab/facility operations, including highly complex procedures for observation, documentation, collection, interpretation and presentation of research data.	Bachelors degree in discipline appropriate to position and 6 years experience, including at least 2 years at the preceding level or equivalent.
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* 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** Bachelors degree in discipline appropriate to position and no experience.
- Level II** Bachelors degree in discipline appropriate to position and 2 years experience.
- Level III** Bachelors degree in discipline appropriate to position and 4 years experience, including at least 2 years at the preceding level or equivalent.
- Level IV** Bachelors degree in discipline appropriate to position and 6 years experience, including at least 2 years at the preceding level or equivalent.

Focus of Education

Degree in Microbiology, or related Science

Focus of Experience

Experience in working with bacterial and fungal organisms

Substitutions allowed for Education:

Indicated education is required; no substitutions allowed.

Substitutions allowed for Experience:

When a candidate has the required education, but lacks the required experience, they may normally apply additional appropriate education toward the experience requirement, at a rate of one (1) year relevant education per year of required experience.

Minimum Required Knowledge

Certification or Licensure Requirements:

None Required.

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.

Routine deadlines; usually sufficient lead time; variance in work volume seasonal and predictable; priorities can be anticipated; some interruptions are present; involves occasional exposure to demands and pressures from persons other than immediate supervisor.

Job frequently requires standing, walking, sitting, reaching, talking, hearing, handling objects with hands, and lifting up to 10 pounds.

Job occasionally requires climbing or balancing, stooping/kneeling/crouching/crawling, .

Vision requirements: Ability to see information in print and/or electronically, ability to distinguish colors.

Date: 1/3/2012
