AUBURN
Human Resources

NCAT Engineer I

Job Description

JOB INFORMATION

Job Code	JA03A
Job Description Title	NCAT Engineer I
Pay Grade	RE08
Range Minimum	$50,960
33rd %	$62,850
Range Midpoint	$68,790
67th %	$74,730
Range Maximum	$86,620
Exemption Status	Exempt
Organizational use restricted to the following divisions	128 Samuel Ginn Col of Engineering
Approved Date:	1/1/1900 12:00:00 AM
Legacy Date Last Edited	1/5/2012

JOB FAMILY AND FUNCTION

Job Family:	Research
Job Function:	Disciplinary Research

JOB SUMMARY

Applies engineering concepts, principles, and practices in research, development, testing, design and analysis of asphalt materials, processes, and equipment.

RESPONSIBILITIES

- Performs research and development assignments related to asphalt technologies following guidelines and requiring the application of professional civil engineering practices and principles.
- Advises faculty, students, research sponsors, and staff with design, modification, prototype, processes, analysis procedures, and other engineering solutions.
- Performs lab testing for asphalt related research.
- Performs field performance tests to include diagnostics, transverse profiles, and fatigue crack analysis and mapping to determine causes of premature deterioration of asphalt.
- Prepares proposals, budgets, schedules, and progress reports and presents results of asphalt technology research.

The responsibilities listed above show the typical duties for jobs in this classification. Actual tasks may differ depending on the department's needs. Other similar duties may be assigned with discretion of the supervisor. Not every duty will apply to every position, and the amount of time spent on each task can change based on department needs.

SUPERVISORY RESPONSIBILITIES

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

MINIMUM QUALIFICATIONS

To be eligible, an individual must meet all minimum requirements which are representative of the knowledge, skills, and abilities typically expected to be successful in the role. For education and experience, minimum requirements are listed on the top row below. If substitutions are available, they will be listed on subsequent rows and may only to be utilized when the candidate does not meet the minimum requirements.

MINIMUM EDUCATION & EXPERIENCE

Education Level	Focus of Education		Years of Experience	Focus of Experience	
Bachelor's Degree	Civil Engineering degree or related fields	and	0 years of	Experience in engineering and research practices and principles.	

Substitutions Allowed for Experience	Yes
Substitution 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 KNOWLEDGE, SKILLS, & ABILITIES

Familiarity with engineering staff, methods, practices and programs.	

MINIMUM LICENSES & CERTIFICATIONS

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/ Desired	
None Required.				

REQUIRED PRE-EMPLOYMENT/ONGOING SCREENINGS

Motor Vehicle Record (MVR); Pre-Employment Drug Screening

PHYSICAL DEMANDS & WORKING CONDITIONS

Physical Demands Category:	Other

PHYSICAL DEMANDS

Physical Demand	Never	Rarely	Occasionally	Frequently	Constantly	Weight
Standing				X		
Walking			X			
Sitting				X		
Lifting	X					
Climbing			X			
Stooping/ Kneeling/ Crouching			X			
Reaching				X		
Talking					X	
Hearing					X	
Repetitive Motions					X	
Eye/Hand/Foot Coordination					X	

WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
Extreme cold			X		
Extreme heat			X		
Humidity			X		
Wet			X		
Noise			X		

WORKING ENVIRONMENT

Working Condition	Never	Rarely	Occasionally	Frequently	Constantly
Hazards			X		
Temperature Change			X		
Atmospheric Conditions			X		
Vibration			X		

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