
Auburn University Job Description

Job Title: **Asst Dir, SCORE Outreach Prog**

Job Family: No Family

Job Code: **ED26**

Grade OP11 \$54,900 - \$93,300

FLSA status: Exempt

Job Summary

Assists in directing, overseeing and coordinating the day-to-day operations for the Southeastern Center of Robotics Education (SCORE) outreach programs.

Essential Functions

1. Develops and coordinates new robotics-based programs, trainings, and competitions at Auburn University that serve the overall mission of the Center. Collaborates with other 2-year and 4-year institutions across the southeast to foster robotics education networks for the purpose of educating and inspiring the K-12 population towards Science, Technology, Engineering and Mathematics programs.
2. Develops standards-based curriculum focused on robotics education at all levels of the K-12 spectrum, including teacher training curriculum. Uses curriculum in conjunction with implementing new student camps and programs, robotics competitions, teacher professional development, presentations to interested stakeholders, and other opportunities in support of the Center's mission as they arise.
3. Plays a key role in managing portions of existing robotics based programs, competitions, grants and training for the COSAM Outreach Office, including, but not limited to: War Eagle BEST Robotics, South's BEST Robotics, Math Science Partnership professional development in robotics, Robotics Academy summer camp, and The Alabama STEM Studio for Afterschool Learning (TASSAL).
4. Travels as needed to assist partner sites and/or schools hosting robotics education competitions, trainings, and programs.
5. Develops robotics education program in conjunction with Auburn's Project Lead The Way program to support teachers in their efforts to teach robotics as prescribed through the PLTW curriculum. Delivers teacher trainings at Auburn and beyond related to PLTW.
6. Conducts research on the educational outcomes of student competitions and teacher training initiatives, including assessment of program needs for target audiences. Develops post-program summary and evaluation reports for publicity and accountability purposes.

Supervisory Responsibility

Full supervisory responsibility for other employees is a major responsibility and includes training, evaluating, and making or recommending pay, promotion or other employment decisions.

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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Minimum Required Education and Experience

	<u>Minimum</u>	<u>Focus of Education/Experience</u>
Education	Master's Degree	Degree in Engineering, Science, Education and/or STEM related education degree.
Experience (yrs.)	2	Experience in developing robotics-related curriculum for teachers and/or students; experience planning and implementing robotics programs, camps, and competitions; experience with designing, assembling, and programming robotics systems.

Substitutions allowed for Education:

Indicated education is required; no substitutions allowed.

Substitutions allowed for Experience:

Indicated experience is required; no substitutions allowed.

Minimum Required Knowledge

Knowledge of computer programming as related to Robotics (particularly easyC, RobotC, Scratch, and Python languages, among others); robotics control systems including LEGO, arduinos, raspberry pi, VEX and similar; 3D printing; engineering design process; knowledge of national and state-based science and math curriculum standards; knowledge of educational research practices.

Certification or Licensure Requirements

None Required.

Physical Requirements/ADA

Regularly involves lifting, bending or other physical exertion. Often exposed to one or more elements such as heat, cold, noise, dust, dirt, chemicals, etc., with one often to the point of being objectionable. Injuries may require professional treatment.

Externally imposed deadlines; set or revised on short notice; frequent shifts in priority; numerous interruptions requiring immediate attention; unusual pressure on a daily basis due to accountability for success for major projects or areas of operation.

Job frequently requires standing, walking, reaching, talking, hearing, handling objects with hands, and lifting up to 25 pounds.

Job occasionally requires sitting, climbing or balancing, stooping/kneeling/crouching/crawling, and lifting more than 100 pounds.

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

Date: 5/31/2016
