

real-work opportunities

Systems Engineering

at the
Savannah River Site



a member of the Westinghouse Savannah River Company Team

At SRS, the Systems Engineering Department promotes and performs results-oriented engineering services using the systems approach to engineering to improve the cost effectiveness of programs, projects and operations.

The increased need for Systems Engineering is driven by the fact that today's engineering problems are frequently systems problems. As systems have become increasingly complex, our degree of success depends on understanding how these systems work and how they interface with other systems. Using this knowledge and the systems approach, Systems Engineering professionals help to optimize design solutions and produce systems which function more effectively.

Systems Engineering is an emerging field that has developed in response to the need for better solutions to complex systems problems. Ultimately, Systems Engineering's vision is for customers across the SRS and Department of Energy complex to see the systems approach as the preferred methodology when engineering services are needed.

New engineers are needed at SRS to apply established Systems Engineering methodology to the definition, design and analysis of complex systems and problems.

A new engineer will be part of a team that uses Systems Engineering methods to analyze mission needs and to develop what a system must accomplish (system functions), performance requirements, and design input for site process systems and projects.

This organization also performs project and system feasibility studies, alternative studies, risk management, value engineering, engineering calculations, and life cycle cost analysis.

Training and mentoring are provided, as needed, to develop skills in applying Systems Engineering methods.

Rotational assignments in other site organizations such as the Savannah River Technology Center, High Level Waste and Environmental Restoration are used to provide additional development and learning opportunities.

The Systems Engineering organization includes personnel with technical expertise in the engineering fields of systems, mechanical, electrical, instruments and control, chemical process, materials/metallurgical, nuclear, industrial, civil and structural.

For more information on Systems Engineering at SRS, please contact Bruce Palmer, Manager of Systems Engineering, at (803) 952-7280, or at bruce.palmer@srs.gov.

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