

Office of Research

University of South Carolina

Focus Areas

Interdisciplinary research nourishes a healthier future.



The University of South Carolina is the Palmetto State's only Carnegie tier-one institution of "very high research activity," generating breakthroughs in four key focus areas: health sciences, advanced materials, energy, and environment and sustainability.

Health Sciences

Obesity, heart disease, mental health, public health—the University of South Carolina has research strengths in these and many more health areas. From social work to cancer research to obesity prevention, USC is poised to enhance human health from virtually every angle. We host a variety of research centers studying some of the biggest health issues of our time and training the new researchers who will continue making impacts in the future.

Advanced Materials

Materials are the physical components and substances used to make end products like cars, televisions and solar cells. These products have become lighter, faster and more modern over the decades thanks in no small part to new, better materials. USC's advanced materials researchers engineer new materials to create innovative products and improve the things we use every day, enhancing lives in the process.

Energy

As the demand for energy continues to grow, innovating new energy sources and enhancing the way we use existing ones is more important than ever. USC researchers are working to meet this growing need by taking energy innovation to the next level, investigating new possibilities in renewables, nuclear and more. Our researchers are developing energy technologies that will power the Palmetto State, the nation and the globe into the future.

Environment & Sustainability

USC researchers use a variety of methods to support environmental health and create a more sustainable way of life, from working with industry and other partners to optimize carbon sequestration in the state to surveying coastal water and habitat quality to assess human impacts.



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For more: sc.edu/research/research_focus_areas