



South Carolina Centers of Economic Excellence Funded Proposals

In 2002, the South Carolina General Assembly passed the Research Centers of Economic Excellence Act in order to promote growth of the knowledge-based economy in South Carolina. Oversight of the Centers of Economic Excellence (CoEE) Program is provided by the S.C. Centers of Economic Excellence Review Board. The South Carolina Commission on Higher Education approves the budget for the CoEE Review Board's operations and also provides staff support for the program's day-to-day operations. South Carolina Education Lottery funds in the amount of \$180 million have been appropriated for the program since the 2002-2003 Fiscal Year. Over the last seven years, 49 research proposals totaling \$197.6 million have been approved for funding. South Carolina's three research institutions are required to raise dollar-for-dollar, non-state matching funds in order to access state funding.

The most current information on the CoEE Program is available at www.sccoee.org . A list of funded proposals follows:

Funding Year 2002-2003			
Institution (fiscal institution first)	Proposal Title	Endowed Chairs	Proposal Amount
Clemson	Automotive Systems Integration	1	\$5 million
Clemson	Automotive Manufacturing	1	\$5 million
USC	Nanostructures	1	\$4 million
USC/MUSC	Brain Imaging	3*	\$5 million
MUSC	Proteomics	2	\$4 million
MUSC	Neuroscience	3	\$3 million
MUSC/USC/CoC	Marine Genomics	3**	\$4 million
Total Awarded in 2002-2003		14	\$30 million
Funding Year 2003-2004			
Institution (fiscal institution first)	Proposal Title	Endowed Chairs	Proposal Amount
Clemson	Automotive Design & Development	1	\$5 million
Clemson	Electronic Systems Integration	1	\$3 million
Clemson	Photonic Materials	1	\$5 million
USC	Polymer Nanocomposites	1	\$3.5 million
USC	Hydrogen & Fuel Cell Economy I ***	2	\$2.5 million
MUSC/Clemson/USC	Regenerative Medicine	3	\$5 million
MUSC/USC	Translational Cancer Therapeutics	2	\$5 million
Total Awarded in 2003-2004		11	\$29 million

* Revised to three chairs by act of the CoEE Review Board on January 12, 2009.

** Revised to three chairs by act of the CoEE Review Board on February 23, 2010.

*** The Hydrogen & Fuel Cell Economy CoEE was approved during 2003-2004. Funding for one half of this CoEE was provided in 2003-04, the other half in 2004-2005.

S.C. Centers of Economic Excellence Funded Proposals (continued)

Funding Year 2004-2005			
Institution (fiscal institution first)	Proposal Title	Endowed Chairs	Proposal Amount
Clemson	Restoration [WITHDRAWN]	—	[\$3 million]
Clemson	Electron Imaging [WITHDRAWN]	—	[\$5 million]
USC	Renewable Fuel Cells	1	\$3 million
USC	Hydrogen & Fuel Cell Economy II*	[See 03-04.]	\$2.5 million
USC/Coastal Carolina	Tourism & Economic Development	1	\$2 million
MUSC	Gastrointestinal Cancer Diagnostics	2**	\$5 million
MUSC/USC	Cancer Drug Discovery	4	\$5 million
MUSC/USC	Vision Science	3	\$4.5 million
Total Awarded in 2004-2005		11	\$22 million
Funding Year 2005-2006			
Institution (fiscal institution first)	Proposal Title	Endowed Chairs	Proposal Amount
Clemson	Supply Chain Optimization & Logistics	1	\$2 million
Clemson	Urban Ecology and Restoration	1	\$2 million
Clemson	Advanced Fiber-Based Materials	1	\$4 million
Clemson	Molecular Nutrition [WITHDRAWN]	—	[\$2 million]
USC	Solid Oxide Fuel Cells	1	\$3 million
USC/MUSC	Childhood Neurotherapeutics	3	\$5 million
MUSC	Molecular Proteomics in Cardiovascular Disease & Prevention	2	\$5 million
MUSC/USC	Clinical Effectiveness & Patient Safety†	3	\$5 million
Total Awarded in 2005-2006		12	\$26 million
Funding Year 2006-2007			
Institution (fiscal institution first)	Proposal Title	Endowed Chairs	Proposal Amount
Clemson/MUSC	Health Facilities Design & Testing	2	\$5 million
USC	Rehabilitation and Reconstruction Science	1	\$5 million
USC	Strategic Approaches to the Generation of Electricity	1	\$5 million
USC/MUSC/Clemson	Healthcare Quality	2	\$5 million
USC/Clemson	Senior SMART™ Center ±	3	\$5 million
MUSC	Tobacco-Related Malignancy	2	\$5 million
MUSC/USC	Stroke	3	\$5 million
Total Awarded in 2006-2007		14	\$35 million

* The Hydrogen & Fuel Cell Economy CoEE was approved during 2003-2004. Funding for one half of this CoEE was provided in 2003-04, the other half in 2004-2005.

** Increased from one to two by act of the CoEE Review Board on September 8, 2008.

† On September 9, 2008, the CoEE Review Board approved a revision to this proposal which relinquished Clemson University as a collaborative partner and transferred the CoEE chair at Clemson to MUSC.

± The SeniorSMART CoEE was approved in 2007-2008. Funding was provided from 2006-2007 dollars.

S.C. Centers of Economic Excellence Funded Proposals (continued)

Funding Year 2007-2008			
Institution (fiscal institution first)	Proposal Title	Endowed Chairs	Proposal Amount
Clemson	Optoelectronics	1	\$2 million
Clemson	Cyber-Institute	1	\$2 million
USC	Nanoenvironmental Research & Risk Assessment	1	\$3 million
USC	Nuclear Science and Energy	1	\$3 million
MUSC	Renal Disease Biomarker	2	\$5 million
MUSC/Clemson	Cancer Stem Cell Biology	2	\$5 million
MUSC/USC/Clemson	Advanced Tissue Biofabrication	3	\$5 million
MUSC/USC/SCSU	Cancer Disparities*	3	\$3.6 million
MUSC/USC	Medication Safety & Efficacy*	1	\$2 million
Total Awarded in 2007-2008		15	\$30.6 million
Funding Year 2008-2009			
Institution (fiscal institution first)	Proposal Title	Endowed Chairs	Proposal Amount
Clemson	Tissue Systems Characterization	1	\$3 million
USC	Nuclear Science Strategies	1	\$3 million
USC/MUSC	Healthful Lifestyles**	2	\$3 million
MUSC	Lipidomics, Pathobiology and Therapy	2	\$5 million
Total Awarded in 2008-2009		6	\$14 million
Funding Year 2009-2010			
Institution (fiscal institution first)	Proposal Title	Endowed Chairs	Proposal Amount
Clemson	Sustainable Development	1	\$4 million
USC	Data Analysis	1	\$2 million
MUSC	Inflammation and Fibrosis Research	2	\$5 million
Total Awarded in 2009-2010		4	\$11 million

* The Cancer Disparities CoEE and the Medication Safety & Efficacy CoEE were approved in 2008-2009. Funding was provided from 2007-2008 dollars.

** The Healthful Lifestyles CoEE was approved in 2009-2010 with funding from 2008-2009 dollars.



Program Totals	
TOTAL LOTTERY APPROPRIATIONS (2003-2008)	\$180 million
ACCRUED PROGRAM INTEREST USED FOR ADDITIONAL AWARDS *	\$17.6 million
TOTAL FUNDS AWARDED (2003-2010)	\$197.6 million

* As permitted by S.C. 2-75-30(A).

Research Institution Totals				
Institution	Centers Awarded	CoEE Chairs Created	CoEE Chairs Appointed (Remaining to be Apptd)	State Funds Drawn
Clemson University	13	16	6 (10)	\$34,889,299
University of South Carolina	17	29	11 (18)	\$43,422,355
Medical University of South Carolina	19	42	18 (24)	\$55,058,024
TOTALS	49	87	35 (52)	\$133,369,678

COEE PROGRAM MISSION STATEMENT

The South Carolina Centers of Economic Excellence program serves the public interest by creating incentives for the state’s research universities, in cooperation with other institutions of higher education in the state, to raise capital from non-state sources to fund endowments for specialized research professorships. These professorships in turn serve as the nucleus for unique, university-based research centers which cultivate critical, public-private industrial partnerships, expand the state’s knowledge base, create well-paying jobs, and enhance economic opportunities and improve the quality of life for the people of South Carolina.