



The Art Of Securing And Managing Research Resources

Presented by

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SC State University

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Securing and Managing Research Resources

Institutional Capacity exists which enhances research proposals:

- Capacity to identify potential sources of support (Corporate, Federal or Institutional)
- Principal Investigator is able to develop winning proposals (i.e. track record exists or capacity is in place)
- Professional Schools and/or strong departments
- Centers or Institutes (unique laboratories)
- Critical Mass of Faculty (Disciplinary/Interdisciplinary)
- Facilities/Equipment
- Existing or proposed graduate programs
- Strong Administrative Core Exists to Support proposed activities (Accountability)

Securing and Managing Research Resources

For best strategy, research funds should be **Mission Driven** (Example).

- SC State University is a Land Grant University and values instruction, research and outreach (extension).
- Critical functions defined in proposal (i.e. Capacity driven, infrastructure, promotion of key activities, funding agency mission is embraced in proposal, administrative capacity to oversee proposed activity – accountability)
- Proposal positions University to take advantage of future funding opportunities (Capacity enhancements)

Securing and Managing Research Resources

Example Goals for SC State University:

- STEM Programs will be enhanced (Chemistry, Biology, Physics, Nuclear Engineering, Engineering Technology, Mathematics, Computer Science, Environmental Sciences)
- Education Programs will be enhanced.
- Business and Economics Programs will be enhanced.
- Professional Programs will be enhanced (Nursing and Speech Pathology and Audiology).
- Transportation Program will be enhanced.
- Will benefit from Technology Infrastructure
- Other program enhancements which are mission focused.

Institutional Check List for Grants and Contracts

**SOUTH CAROLINA STATE UNIVERSITY
PROPOSAL/AWARD PROCESSING AND APPROVAL FORM**

ORGA No. _____
Date _____

Title: _____

Principal Investigator(s) _____ Department _____
and Phone No. _____

Proposed Dates: Start _____ End _____ Indirect Cost Rate _____
(% x Base)

Funding Source _____ Number of Copies _____ Deadline Date _____ Mailing _____
for Agency _____ Receipt _____

This Transaction Initial Application Continuation Renewal Extension Revision Award

Project Purpose: Research Education/Training Equipment Service Other _____

Benefit to SCSU
(Concise statement of) _____

Budget Proposed (First Year)	Grant & Other Funds Requested	New Cost to the University
Salaries & Fringe Benefits- Reg Staff (%)		
Salaries & Fringe Benefits- Temp. Staff (%)		
Student Wages (no fringe benefits)		
Fellowship, Stipend & Allowances		
Supplies, Other Expenses, Equipment, Travel, Library Resources, etc.		
Indirect Cost (overhead)		
Total First Year Request		
Subsequent Year(s)		
Total Funding Requested (All years)		

Approval (each signature denotes I have reviewed the attached proposal, using the checklist indicated for my office, and hereby give my approval for submission to funding agency. Department Head signature signifies acceptance of all financial commitments indicated in the proposal.

THE FOLLOWING ITEMS MUST BE COMPLETED BY PRINCIPAL INVESTIGATOR AND DEPARTMENT HEAD.

Yes	No		Date Forwarded
<input type="checkbox"/>	<input type="checkbox"/>	1. Faculty Release Time consistent with Dept./School Policies? Release Time Not Requested <input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	2. New courses and/or degree programs, etc. (If yes, Attach Explanation)?	_____
<input type="checkbox"/>	<input type="checkbox"/>	3. Additional space or facilities required (If yes, Attach an explanation of specific needs to this form)?	_____
<input type="checkbox"/>	<input type="checkbox"/>	4. Conforms to Departmental/Institutional Mission Statement and is generally free of errors and grammatical mistakes?	_____
<input type="checkbox"/>	<input type="checkbox"/>	5. Undergraduate and/or graduate students included in the proposed activity?	_____
<input type="checkbox"/>	<input type="checkbox"/>	6. Library resources and materials adequately addressed?	_____

Principal Investigator: _____ Date: _____ Department Head _____ Date _____

THE FOLLOWING ITEMS MUST BE COMPLETED BY DEAN OF THE SCHOOL

Yes	No		Date Forwarded
<input type="checkbox"/>	<input type="checkbox"/>	1. Conforms to School/Institutional Mission Statement? Academic, Programmatic Guidelines.	_____
<input type="checkbox"/>	<input type="checkbox"/>	2. Requires Matching or Cost Sharing Funds? Source(s) _____ ?	_____
<input type="checkbox"/>	<input type="checkbox"/>	3. Dual Compensation considerations addressed? (Institutional, State)	_____
<input type="checkbox"/>	<input type="checkbox"/>	4. Academic Program considerations addressed? (release time, courses, degree programs)	_____
<input type="checkbox"/>	<input type="checkbox"/>	5. New Faculty and /or Professional Staff?	_____

DEAN _____ Date _____

THE FOLLOWING ITEMS MUST BE COMPLETED BY THE OFFICE OF RESEARCH AND GRANTS ADMINISTRATION.

Yes	No		Date Forwarded
<input type="checkbox"/>	<input type="checkbox"/>	1. Conforms to Institutional Mission Statement and is generally free of errors and grammatical mistakes?	_____
<input type="checkbox"/>	<input type="checkbox"/>	2. Subcontract/Legal considerations (If yes, the proposal will be forwarded to the University Attorney)?	_____
<input type="checkbox"/>	<input type="checkbox"/>	3. Human Subjects? (If yes, the proposal must be reviewed by the IRB). Contact ORGA	_____
<input type="checkbox"/>	<input type="checkbox"/>	4. Lab Animals, Biohazardous Materials, Recombinant DNA, etc. ? Completed Federal Forms?	_____
<input type="checkbox"/>	<input type="checkbox"/>	5. Complies with applicable rules and regulations for State Agencies requesting non-appropriated Funds?	_____
<input type="checkbox"/>	<input type="checkbox"/>	6. Salaries, fringe benefits, and other personnel cost consistent with Institutional and State policies?	_____
<input type="checkbox"/>	<input type="checkbox"/>	7. Indirect Costs consistent with SCSU Negotiated Rate Agreement or specific agency restrictions?	_____

Asst. VP of Sponsored Programs _____ Date _____

THE FOLLOWING ITEMS MUST BE COMPLETED BY THE VICE PRESIDENT FOR FINANCE AND MANAGEMENT.

Yes	No		Date Forwarded
<input type="checkbox"/>	<input type="checkbox"/>	1. Salaries, fringe benefits, and other personnel cost consistent with established Institutional and State policies?	_____
<input type="checkbox"/>	<input type="checkbox"/>	2. Indirect Costs consistent with SCSU Negotiated Rate Agreement or specific agency restrictions?	_____
<input type="checkbox"/>	<input type="checkbox"/>	3. Extra (dual) compensation?	_____
<input type="checkbox"/>	<input type="checkbox"/>	4. Requires Matching/Cost Sharing Funds? Sources Identified?	_____

Vice President for Finance and Management _____ Date: _____

THE FOLLOWING ITEMS TO BE COMPLETED BY THE PRESIDENT OR DESIGNEE ONLY

Yes	No		Date Forwarded
<input type="checkbox"/>	<input type="checkbox"/>	1. The project benefits the University and/or its programs.	_____
<input type="checkbox"/>	<input type="checkbox"/>	2. The project has potential impact on the State or regional areas served by the University.	_____
<input type="checkbox"/>	<input type="checkbox"/>	3. The project enhances the mission and/or long range goals of the University.	_____

President _____ Date _____

Securing and Managing Research Resources

Outcomes must be clearly defined.

- Fundamental Research
- Applied Research
- Enhancements to instructional programs
- Student Experiential Learning
- Outreach
- Capacity Development
- Faculty Development
- Improvements to Facilities
- Acquisition of Equipment
- Institutional Capacity is enhanced in other ways
- Etc.

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Knowledge and Understanding of Funding Source(s).

- Resources provided for Grant Seekers (i.e. Office of Sponsored Programs)
- RFA/RFP Knowledge (Grants.gov)
- Program Manager Contact in funding agency/organization
- Faculty reviewer experience relative to program/funding agency
- Regional Proposal Writing Seminar participation
- Previous Success with Agency/Funding Source
- Other Competitive Advantage(s)

Securing and Managing Research Resources

- **Strong Peer Institutional Review Process**
 - All conditions of RFA/RFP certified
 - Financial decision-making (i.e. ability to match)
 - Plan for utilizing additional resources to strengthen institutional program/mission.(Strategic Plan)
 - Proposal utilizes the knowledge/ability/skills of faculty (Critical mass)
 - Understanding of shared responsibilities (co-investigators)
 - Openness to Challenge (accountability)

Securing and Managing Research Resources

DOE-Environmental Management Program for HBCU's (Example of SC State Success)

- \$3.5 million (one of nine institutions funded)
- Strengthen STEM and Research Programs
- Technical and workforce development (Office of Environmental Management)
- Students are trained and mentored to enter DOE workforce.
- Interdisciplinary Effort (contd.)
- Programs/Equipment Enhancements. (short-and long-term)

Securing and Managing Research Resources

Interdisciplinary Topics (Approved in funding)

- Detection of *Sphingomonas* strains for use in polycyclic aromatic hydrocarbon degradation.
- Enhancement of environmental remediation monitoring and student training at Savannah River Site.
- Analyze fission products from nuclear processes and technology.
- The expansion of the analytical national testing and research center for hazardous material transportation safety.
- Radiochemistry/Health Physics/Nuclear Engineering.
- Improved Environmental Management and Computational Sciences at SC State.
- Management oversight included in proposal concept.

Securing and Managing Research Resources

HOW TO SAY NO?



THE END

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President

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