

AGENCY NAME:  
AGENCY CODE:

USC Upstate

H 340

SECTION:

20C



## Fiscal Year 2020-21 Agency Budget Plan

### FORM A - BUDGET PLAN SUMMARY

**OPERATING  
REQUESTS  
(FORM B1)**

**For FY 2020-21, my agency is (mark "X"):**

- Requesting General Fund Appropriations.  
 Requesting Federal/Other Authorization.  
 Not requesting any changes.

**NON-RECURRING  
REQUESTS  
(FORM B2)**

**For FY 2020-21, my agency is (mark "X"):**

- Requesting Non-Recurring Appropriations.  
 Requesting Non-Recurring Federal/Other Authorization.  
 Not requesting any changes.

**CAPITAL  
REQUESTS  
(FORM C)**

**For FY 2020-21, my agency is (mark "X"):**

- Requesting funding for Capital Projects.  
 Not requesting any changes.

**PROVISOS  
(FORM D)**

**For FY 2020-21, my agency is (mark "X"):**

- Requesting a new proviso and/or substantive changes to existing provisos.  
 Only requesting technical proviso changes (such as date references).  
 Not requesting any proviso changes.

Please identify your agency's preferred contacts for this year's budget process.

	<i>Name</i>	<i>Phone</i>	<i>Email</i>
<b>PRIMARY CONTACT:</b>	Kelly Epting	(803)777-8411	<a href="mailto:eptingk@mailbox.sc.edu">eptingk@mailbox.sc.edu</a>
<b>SECONDARY CONTACT:</b>	Kevin Russell	(803)777-0781	<a href="mailto:russelkr@mailbox.sc.edu">russelkr@mailbox.sc.edu</a>

I have reviewed and approved the enclosed FY 2020-21 Agency Budget Plan, which is complete and accurate to the extent of my knowledge.

	<i>Agency Director</i>	<i>Board or Commission Chair</i>
<b>SIGN/DATE:</b>		
<b>TYPE/PRINT NAME:</b>	Robert L. Caslen, President	John C. von Lehe, Jr., Chairman

This form must be signed by the agency head – not a delegate.

Fiscal Year 2020-21 Budget Request Executive Summary

Agency Code: H340  
 Agency Name: USC - Upstate  
 Section: 20C

BUDGET REQUESTS			FUNDING					FTES				
Priority	Request Type	Request Title	State	Federal	Earmarked	Restricted	Total	State	Federal	Earmarked	Restricted	Total
1	B1 - Recurring	Access and Affordability for In-State Students - Tuition Mitigation Funding	934,982				934,982					0.00
2	C - Capital	Smith Science Building Renovation	5,000,000				5,000,000					0.00
3	B1 - Recurring	Program Expansion for High-Demand, High-Tech Programs	510,000				510,000					0.00
4	B2 - Non-Recurring	Cybersecurity and Networking Lab Upgrades	500,000				500,000					0.00
5	C - Capital	Deferred Maintenance (1:1 Match)	1,000,000				1,000,000					0.00
6							0					0.00
7							0					0.00
8							0					0.00
9							0					0.00
10							0					0.00
11							0					0.00
12							0					0.00
13							0					0.00
14							0					0.00
15							0					0.00
16							0					0.00
17							0					0.00
18							0					0.00
19							0					0.00
20							0					0.00
21							0					0.00
22							0					0.00
23							0					0.00
24							0					0.00
25							0					0.00
26							0					0.00
27							0					0.00
28							0					0.00
29							0					0.00
30							0					0.00
TOTAL BUDGET REQUESTS			7,944,982	0	0	0	7,944,982	0.00	0.00	0.00	0.00	0.00

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

**FORM B1 – RECURRING OPERATING REQUEST**

<b>AGENCY PRIORITY</b>	<b>1</b> <i>Provide the Agency Priority Ranking from the Executive Summary.</i>
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<b>TITLE</b>	<b>Access and Affordability for In-State Students – Tuition Mitigation Funding</b> <i>Provide a brief, descriptive title for this request.</i>
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<b>AMOUNT</b>	<b>General: \$934,982</b> <b>Federal:</b> <b>Other:</b> <b>Total: \$934,982</b> <i>What is the net change in requested appropriations for FY 2020-21? This amount should correspond to the total for all funding sources on the Executive Summary.</i>
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<b>NEW POSITIONS</b>	<b>0</b> <i>Please provide the total number of new positions needed for this request.</i>
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<b>FACTORS ASSOCIATED WITH THE REQUEST</b>	<b>Mark “X” for all that apply:</b>
	<input checked="" type="checkbox"/> Change in cost of providing current services to existing program audience
	<input type="checkbox"/> Change in case load/enrollment under existing program guidelines
	<input type="checkbox"/> Non-mandated change in eligibility/enrollment for existing program
	<input type="checkbox"/> Non-mandated program change in service levels or areas
	<input type="checkbox"/> Proposed establishment of a new program or initiative
	<input type="checkbox"/> Loss of federal or other external financial support for existing program
	<input type="checkbox"/> Exhaustion of fund balances previously used to support program
	<input type="checkbox"/> IT Technology/Security related
	<input type="checkbox"/> Consulted DTO during development
<input type="checkbox"/> Related to a Non-Recurring request – If so, Priority #	

<b>STATEWIDE ENTERPRISE STRATEGIC OBJECTIVES</b>	<b>Mark “X” for primary applicable Statewide Enterprise Strategic Objective:</b>
	<input checked="" type="checkbox"/> Education, Training, and Human Development
	<input type="checkbox"/> Healthy and Safe Families
	<input type="checkbox"/> Maintaining Safety, Integrity, and Security
	<input type="checkbox"/> Public Infrastructure and Economic Development
<input type="checkbox"/> Government and Citizens	

<b>ACCOUNTABILITY OF FUNDS</b>	<i>Up. Together: USC Upstate Strategic Plan 2018-2023</i>
	Strategic Priority 3.0: Provide rigorous, career relevant, and accessible Education
	Objective 1: Offer innovative, career relevant academic programs
	Objective 3: Expand high-impact experiential learning
<i>What specific strategy, as outlined in the FY 2019-20 Strategic Planning and Performance Measurement template of agency’s accountability report, does this funding request support? How would this request advance that strategy? How would the use of these funds be evaluated?</i>	

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

<b>RECIPIENTS OF FUNDS</b>	Use of these funds benefits the University of South Carolina Upstate student body and the faculty/administrative staff who serve them. Funds would not be allocated outside of the University but would be used internally.
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*What individuals or entities would receive these funds (contractors, vendors, grantees, individual beneficiaries, etc.)? How would these funds be allocated – using an existing formula, through a competitive process, based upon predetermined eligibility criteria?*

<b>JUSTIFICATION OF REQUEST</b>	<p>The top legislative and budget priority for the University of South Carolina System remains passing the Higher Education Opportunity Act (HEOA). Among other important provisions, HEOA would establish two dedicated funding streams for higher education for the principle purpose of increasing access and affordability for in-state students. The first ties the growth (or decline) in institutional funding to the growth (or decline) in the General Fund, and by extension, to the state’s economy, the health of which is directly linked to a well-educated workforce. This new approach would provide predictable revenue (or proportional reductions) for colleges while allowing policymakers to maintain, but not necessarily increase, higher education spending as a share of the overall state budget. The second would dedicate a portion of new state sales tax revenue now being collected from out-of-state Internet retailers, investing at least \$125 million each year into higher education to be distributed among colleges based on their in-state enrollment. This important but modest new funding source for higher education, which does not require a tax increase or a reallocation from other important areas of state spending to provide, represents just 25% of total annual Internet sales tax collections, less than 4% of all sales tax collections and less than 1.5% of the State’s total General Fund budget. Importantly, this new funding source would come with a new statutory requirement that colleges must freeze tuition for one year and cap tuition growth to a rate at or below inflation (as measured by the Higher Education Price Index (HEPI)) each year thereafter.</p> <p>In the spirit of HEOA, and out of a genuine desire to partner with the state to freeze tuition and required fees for in-state students next year, the UofSC System is requesting a modest increase in recurring funding of at least 6.0% for FY2021, which is equivalent to early projections of growth in state appropriation act revenue next year according to internal estimates informed by preliminary conversations with legislative budget experts and other analyses. These funds would enable the System to offset a portion of the rise in basic inflationary costs it faces including state mandated pension increases as well as an up to a 1% cost of living increase (COLA) for employees that may be mandated by the state next year.</p> <p><b>Therefore, USC Upstate respectfully requests \$934,982 in new recurring funds, an amount equivalent to a 6.0%, as is consistent with the provisions included in HEOA. Importantly, this funding would allow the University to freeze tuition and required fees for in-state residents next year by covering the following basic inflationary cost increases including state retirement (and assuming a state mandated COLA of no more than 1%):</b></p> <p>Estimated 1% retirement for USC Upstate - \$193,700  Estimated health insurance for USC Upstate - \$172,974  Estimated required cost increases for basic operations including utilities and inflation of</p>
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<b>AGENCY NAME:</b>	<b>USC Upstate</b>		
<b>AGENCY CODE:</b>	<b>H340</b>	<b>SECTION:</b>	<b>20C</b>

goods and services - \$270,000  
Possible 1% COLA pay package for USC Upstate - \$239,260

**Total estimated inflationary and mandated cost increases - \$875,934**

(Estimates are preliminary and subject to change and do not include costs associated with important University excellence and/or other strategic initiatives.)

\*Note: For every 1% COLA mandated by the State, the University’s net cost (after allocations) is approximately \$240,000. If the state were to mandate a 2% COLA similar to last year, the University would respectfully amend its budget submission by requesting an additional \$240,000 in order ensure our desired tuition freeze remains achievable. Absent appropriation of these additional funds to cover such a state mandate, the University would request flexibility from the state to limit its increase to in-state students, if any, to an amount necessary to account for the unfunded portion of mandates (to include retirement, health and/or COLA) not covered by the University’s final state appropriation.

*Note: This retirement estimate represents USC Upstate’s increased cost to implement year four of the state’s recent pension reform which is phasing-in an increase to the employer share of the state’s required pension contribution rate, which was 6.85% in FY2004 and will rise to 18.56% by FY2023 as required by state law.*

This is similar to the request made for FY2020 for which the state awarded more than \$18 million in new recurring funding across the entire System. With those funds available to help cover the cost of mandated increases USC Upstate was able along with the three comprehensive universities to completely freeze tuition growth to 0.0% as did the four Palmetto College campuses (including Online). The entire UofSC System is grateful for this support without which this tuition mitigation would not have been possible.

The State of South Carolina needs—and the HEOA provides—a comprehensive legislative package to restore state investment and create a sustainable funding model for higher education that:

- Develops a new funding model that rewards institutions for educating South Carolinians;
- Resumes reliable state investments in assets and infrastructure through capital bond bills or other dedicated sources;
- Removes burdensome and duplicative bureaucratic red tape;
- Increases state investment in need-based aid programs that increases opportunity for students from low-income families.

The HEOA does each of these and in doing so establishes a system that keeps tuition increases in check.

This new funding model is important because in 2000 higher education funding was 14.6% of the state budget, by 2008 it had fallen to less than 12% and, despite state revenue having increased by more than \$3.5 billion since the end of the Great Recession, funding for higher education has continued to decline, representing just 7.6% of the state budget today. In fact, the key finding of a recent Legislative Audit Council report is that since FY2001 funding for higher education has been reduced by half and that the state

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

has underfunded higher education by a cumulative \$4 billion in statutorily required funding over that 17-year period.

Working together we began to reverse that trend last year. The progress must continue and this budget request, while modest, when coupled with the thoughtful and long-term reforms contemplated under HEOA will work in concert to advance access, affordability and excellence in public higher education across South Carolina.

The UofSC System agrees with Governor McMaster, who recently wrote: “I hope that this one-year tuition freeze will serve as the first step toward a ***comprehensive overhaul of higher education funding and tuition reform.***” The UofSC System genuinely believes that HEOA represents that reform and we look forward to working with the Governor and the General Assembly to secure its passage this legislative session.

Higher education is the key to our state’s future economic and overall prosperity. Our state needs 70,000 additional baccalaureate degree holders above current graduation rates to meet the needs of business and industry by 2030. As the state’s largest education provider, the UofSC System is meeting those needs for highly educated, in-demand and employable graduates in high need areas. With appropriate investment and partnership from the state, South Carolina can have the most cost-efficient and cost-effective higher education sector in the country.

*Please thoroughly explain the request to include the justification for funds, potential offsets, matching funds, and method of calculation. Please include any explanation of impact if funds are not received. If new positions have been requested, explain why existing vacancies are not sufficient.*

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

**FORM B1 – RECURRING OPERATING REQUEST**

<b>AGENCY PRIORITY</b>	<b>3</b> <i>Provide the Agency Priority Ranking from the Executive Summary.</i>
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<b>TITLE</b>	<b>Program Expansion for High-Demand, High-Tech Programs</b> <i>Provide a brief, descriptive title for this request.</i>
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<b>AMOUNT</b>	<b>General: \$510,000</b> <b>Federal:</b> <b>Other:</b> <b>Total: \$510,000</b> <i>What is the net change in requested appropriations for FY 2020-21? This amount should correspond to the total for all funding sources on the Executive Summary.</i>
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<b>NEW POSITIONS</b>	<b>0</b> <i>Please provide the total number of new positions needed for this request.</i>
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<b>FACTORS ASSOCIATED WITH THE REQUEST</b>	<b>Mark “X” for all that apply:</b>
	<input checked="" type="checkbox"/> Change in cost of providing current services to existing program audience
	<input type="checkbox"/> Change in case load/enrollment under existing program guidelines
	<input type="checkbox"/> Non-mandated change in eligibility/enrollment for existing program
	<input type="checkbox"/> Non-mandated program change in service levels or areas
	<input checked="" type="checkbox"/> Proposed establishment of a new program or initiative
	<input type="checkbox"/> Loss of federal or other external financial support for existing program
	<input type="checkbox"/> Exhaustion of fund balances previously used to support program
	<input type="checkbox"/> IT Technology/Security related
	<input type="checkbox"/> Consulted DTO during development
<input type="checkbox"/> Related to a Non-Recurring request – If so, Priority #	

<b>STATEWIDE ENTERPRISE STRATEGIC OBJECTIVES</b>	<b>Mark “X” for primary applicable Statewide Enterprise Strategic Objective:</b>
	<input checked="" type="checkbox"/> Education, Training, and Human Development
	<input type="checkbox"/> Healthy and Safe Families
	<input type="checkbox"/> Maintaining Safety, Integrity, and Security
	<input type="checkbox"/> Public Infrastructure and Economic Development
<input type="checkbox"/> Government and Citizens	

<b>ACCOUNTABILITY OF FUNDS</b>	<p>This request supports the expansion of high-impact academic programs in support of high-demand, high-tech fields – Business Analytics and Cybersecurity – in one of the fastest growing regions in the nation – Upstate South Carolina. These initiatives support University objective 1.1 “increase enrollment,” 1.2 “increase the number of academic programs,” 1.4 “increase the graduation rate,” and 2.1.1 “increase the number of institutional engagement opportunities that impact local and regional economy. The University has a scorecard process that will be used in evaluating the use of these funds.</p> <p><i>What specific strategy, as outlined in the FY 2019-20 Strategic Planning and Performance Measurement template of agency’s accountability report, does this funding request support? How would this request advance that strategy? How would the use of these funds be evaluated?</i></p>
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<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

<b>RECIPIENTS OF FUNDS</b>	<p>The funds will be allocated to two units: The Johnson College of Business and Economics, which houses the new and only Masters of Science in Business Analytics in the state and its accompanying lab, the Center for Business Analytics, and the College of Science and Technology, the home of the proposed Cybersecurity program and lab. The enrollment of the first class of the Business Analytics Master’s program exceeded projections by 80% and its impact will be immediate and powerful. The center provides students with excellent analytical skills and training with state of the art analytics software, thereby providing needed talent to companies in the Upstate. We plan to partner with companies in the community to engage students in real world capstone projects. Also, partner companies will have access to the center for employee training.</p> <p>Similarly, the workforce demand for cybersecurity is high and a new program with a state-of-the-art Center for Cybersecurity is essential in producing graduates to meet that demand. Three thousand cybersecurity jobs exist in SC (49,000 in the southeast) with double-digit job growth anticipated over the next 10 years. A regional Center would produce internship opportunities for our students and provide needed cybersecurity services to local industry.</p>
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*What individuals or entities would receive these funds (contractors, vendors, grantees, individual beneficiaries, etc.)? How would these funds be allocated – using an existing formula, through a competitive process, based upon predetermined eligibility criteria?*

<b>JUSTIFICATION OF REQUEST</b>	<p>Fulfillment of this request would allow USC Upstate to increase its capacity to serve its student population and the surrounding region in two growing areas of critical need, cybersecurity and business analytics.</p> <p>Given the significance of these two programs on economic development and meeting workforce needs, have the most modern technology and software is essential, as are appropriate facilities. There is currently no cybersecurity degree in the Upstate and a Center, working in concert with industry, could fill a major gap in this region.</p> <p>This proposal recognizes that the intersection of higher education with industry is critical to meeting workforce demand and building a strong economy. There is a great need for training and professional development for local and regional business and industry in both of these areas, so the economic impact would be significant and immediate.</p>
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*Please thoroughly explain the request to include the justification for funds, potential offsets, matching funds, and method of calculation. Please include any explanation of impact if funds are not received. If new positions have been requested, explain why existing vacancies are not sufficient.*

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H 340	<b>SECTION:</b>	20C

**FORM B2 – NON-RECURRING OPERATING REQUEST**

<b>AGENCY PRIORITY</b>	<b>4</b> <i>Provide the Agency Priority Ranking from the Executive Summary.</i>
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<b>TITLE</b>	<b>Cybersecurity and Networking Lab Upgrades</b> <i>Provide a brief, descriptive title for this request.</i>
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<b>AMOUNT</b>	<b>\$500,000</b> <i>What is the net change in requested appropriations for FY 2020-21? This amount should correspond to the total for all funding sources on the Executive Summary.</i>
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<b>FACTORS ASSOCIATED WITH THE REQUEST</b>	<b>Mark "X" for all that apply:</b>
	<input type="checkbox"/> Change in cost of providing current services to existing program audience
	<input type="checkbox"/> Change in case load/enrollment under existing program guidelines
	<input type="checkbox"/> Non-mandated change in eligibility/enrollment for existing program
	<input type="checkbox"/> Non-mandated program change in service levels or areas
	<input type="checkbox"/> Proposed establishment of a new program or initiative
	<input type="checkbox"/> Loss of federal or other external financial support for existing program
	<input checked="" type="checkbox"/> Exhaustion of fund balances previously used to support program
	<input checked="" type="checkbox"/> IT Technology/Security related
	<input type="checkbox"/> Consulted DTO during development
	<input checked="" type="checkbox"/> Request for Non-Recurring Appropriations
<input type="checkbox"/> Request for Federal/Other Authorization to spend existing funding	
<input type="checkbox"/> Related to a Recurring request – If so, Priority #	

<b>STATEWIDE ENTERPRISE STRATEGIC OBJECTIVES</b>	<b>Mark "X" for primary applicable Statewide Enterprise Strategic Objective:</b>
	<input checked="" type="checkbox"/> Education, Training, and Human Development
	<input type="checkbox"/> Healthy and Safe Families
	<input type="checkbox"/> Maintaining Safety, Integrity, and Security
	<input type="checkbox"/> Public Infrastructure and Economic Development
	<input type="checkbox"/> Government and Citizens

<b>ACCOUNTABILITY OF FUNDS</b>	Goal 1: - Providing rigorous, career relevant and accessible education
	1.3 Expand high-impact experiential learning 1.4 Prepare students for successful careers and lives through developing core competencies
	A virtual environment would provide all students and instructors an isolated, hand-on test bed to analyze malicious applications and traffic without causing permanent damage to the lab equipment and network.
	Program evaluation and external reviews by other schools, employers of the program graduates and accreditors will be the primary method for evaluation.
<i>What specific strategy, as outlined in the FY 2019-20 Strategic Planning and Performance Measurement template of agency's accountability report, does this funding request support? How would this request advance that strategy? How would the use of these funds be evaluated?</i>	

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H 340	<b>SECTION:</b>	20C

<b>RECIPIENTS OF FUNDS</b>	Vendors would receive funds for equipment purchased. Contractors would receive funds necessary for facility renovations and equipment installation/configuration.
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*What individuals or entities would receive these funds (contractors, vendors, grantees, individual beneficiaries, etc.)? How would these funds be allocated – using an existing formula, through a competitive process, based upon predetermined eligibility criteria?*

<b>JUSTIFICATION OF REQUEST</b>	<p>This request for funding to upgrade two existing Computer Science labs is a one-time request in order to provide students an improved environment for training in many areas of the discipline. The Computer Science program provides students with courses that prepare them for a number of different career paths in the world of Information Technology to include Software Engineers, Network Engineers, Security Engineers, Server Administrators, Database Administrators, and many more relevant and lucrative careers. These careers are continually evolving and have a large unfilled demand for trained individuals. This has attracted many more students to pursue degrees in our Computer Science or Computer Information Systems programs. These two programs at USC Upstate have seen significant growth and consistent student demand, doubling in size in the last decade (123 majors in 2008 to 250 majors in 2018).</p> <p>A newer area in the Computer Science field—cybersecurity—has been rapidly expanding. A report by Burning Glass Technologies<sup>1</sup> indicates that demand for cybersecurity jobs in the US has nearly doubled since 2013, a rate almost three times faster than all other IT sectors. This demand exists in South Carolina and across the southeastern region. CyberSeek<sup>2</sup> reports over 3,000 cybersecurity sector job openings in SC alone, and when expanding out to the southeastern region, there are as many as 49,000 jobs in the sector. Furthermore, both SC and the SE region have a “very low” workforce supply/demand ratio of only 2.5 qualified applicants for every job posting (compared to a national average of 5.8 for all jobs).</p> <p>To meet these needs, USC Upstate has proposed a new Bachelor’s of Science in Cybersecurity. The program is both technical and hands-on in nature. The courses in this new program, in addition to courses in both the Computer Science and Computer Information Systems degrees, require updated equipment and infrastructure in order to provide students the appropriate education needed to train them for satisfying careers in these fields.</p> <p>Despite the growth in Computer Science, Computer Information Systems, and the anticipated success of the new Cybersecurity program, there is only one computer lab suitable to house all of the networking and security courses required for all majors. Recently, the University demonstrated commitment to the programs by dedicating some one-time funds for upgrades to the lab. (One very important upgrade was to put the lab on its own network, which is critical for offering security classes.) After using the funds to make upgrades, that room still has the following limitations, however:</p> <ol style="list-style-type: none"> <li>1) The room is not very large and can accommodate a maximum of 18 students, hampering program growth. Furthermore, there is little to no room to walk around or pull out equipment to work with, hampering the type of hands-on instruction best for these programs.</li> </ol>
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<sup>1</sup> <http://spartanburgceo.com/news/2019/06/demand-cybersecurity-jobs-doubles-over-five-years-talent-gap-remains/>  
<sup>2</sup> <https://www.cyberseek.org/heatmap.html>

<b>AGENCY NAME:</b>	<b>USC Upstate</b>		
<b>AGENCY CODE:</b>	<b>H 340</b>	<b>SECTION:</b>	<b>20C</b>

2) The current workbench environment does not provide the proper air flow for the number of computers needed in the lab.

3) The funds previously used in the upgrade were exhausted before a virtual environment could be configured. A virtual environment would provide all students and instructors an isolated, hand-on test bed to analyze malicious applications and traffic without causing permanent damage to the lab equipment and network.

4) The room still has some equipment that is very outdated and lacks many current industry hardware and software components. The switches and routers used in instruction lack some of the current protocols used to isolate and manage live network traffic. The current switches are limited to being configured at 10/100 Megabits per second, where most modern devices and networking components operate at 1, 10, 40, or 100 Gigabits per second.

5) The table/desks in the room are wooden, oversized, and not movable. This exacerbates the space problem mentioned previously and hampers active learning.

6) The lab is lacking many useful software packages and equipment that could significantly increase student learning by simulating attacks an organization may encounter.

We also plan to renovate the classroom beside that lab. This renovation would have several benefits:

- 1) This room is bigger than the existing lab and could accommodate more students.
- 2) A true network closet could be built to house and maintain the servers and network equipment.
- 3) The room shares a wall with the existing lab, which would make sharing resources between the rooms very simple and cost-effective. If a true network closet is built, both rooms could share the isolated internet connection, the virtual desktop/server environment, and networking components.
- 4) An additional classroom would allow us to provide more course offerings and sections to accommodate the growing programs.

Obtaining the funds to make these changes to the lab would have a significant impact on many students at USC Upstate and allow us to help fill the great need in South Carolina for skilled individuals in IT.

*Please thoroughly explain the request to include the justification for funds, potential offsets, matching funds, and method of calculation. Please include any explanation of impact if funds are not received. Does this non-recurring appropriation request create an annualization or need for recurring funds?*

<b>Equipment/Software</b>	<b>Cost</b>	<b>Installation/ Configuration</b>	<b>Qty.</b>	<b>Total purchase cost excluding tax</b>
Switches	\$6,500.00	\$3,600.00	6	\$42,600.00

<b>AGENCY NAME:</b>	<b>USC Upstate</b>		
<b>AGENCY CODE:</b>	<b>H 340</b>	<b>SECTION:</b>	<b>20C</b>

Router with power supplies and cable	\$6,183.26	\$5,400.00	2	\$17,766.52
Hypervisor (Server) VMServer	\$18,115.97	\$5,400.00	3	\$59,747.91
Software used for Cybersecurity such as Metasploit or Nexpose	\$80,000.00	\$9,000.00	1	\$89,000.00
Network Access Control Software	\$35,000.00		1	\$35,000.00
Fiber tester	\$992.99		2	\$1,985.98
AudioVisual replacement	\$3,500.00	\$300.00	2	\$7,300.00
New AV Screen or Monitor	\$850.00		1	\$850.00
KVM	\$1,319.00		2	\$2,638.00
Air consoles	\$329.00		2	\$658.00
Android Phones	\$150.00		30	\$4,500.00
Mobile Bench with Cabinet	\$600.00		2	\$1,200.00
Classroom mobile storage cabinet	\$660.00		2	\$1,320.00
Tables 266	\$450.00		11	\$4,950.00
Tables 265	\$450.00		13	\$5,850.00
Chairs 266	\$309.00		20	\$6,180.00
Chairs 265	\$309.00		24	\$7,416.00
Desktops 265	\$1,558.89		30	\$46,766.70

<b>AGENCY NAME:</b>	<b>USC Upstate</b>		
<b>AGENCY CODE:</b>	<b>H 340</b>	<b>SECTION:</b>	<b>20C</b>

Desktop Monitors	\$109.81		30	\$3,294.30
Large Wall Monitors 265	\$1,500.00		4	\$6,000.00
Large Monitors 266	\$1,500.00		4	\$6,000.00
Smart Board 265	\$5,000.00		1	\$5,000.00
Smart Board 266	\$5,000.00		1	\$5,000.00
SFP module for switches	\$1,279.00		10	\$12,790.00
Fiber SFP (gbic) provide 10 gig internal	\$2,500.00		12	\$30,000.00
Fiber Connectors	\$23.00		50	\$1,150.00
Label maker	\$150.00		2	\$300.00
Patch Panel and cabling ends (RJ-45 connectors)	\$1,500.00		1	\$1,500.00
UPS	\$1,681.78		3	\$5,045.34
Rack to in install equipment	\$2,200.00	\$1,500.00	3	\$8,100.00
Cabling trays	\$4,500.00		1	\$4,500.00
RJ-45 connections	\$100.00		5	\$100.00
Removing Cabinets and room remodel	20,091.25		1	\$20,091.25
Flooring Remodel and Cabling Raised	\$12,000.00	\$8,000.00	1	\$20,000.00
Closet Build	\$15,000.00		1	\$15,000.00

<b>AGENCY NAME:</b>	<b>USC Upstate</b>		
<b>AGENCY CODE:</b>	<b>H 340</b>	<b>SECTION:</b>	<b>20C</b>

Additonal Power to rooms	\$8,000.00		1	\$8,000.00
Installation of network cabling and racks	\$125.00		80	\$10,000.00
Cabling for lab installation	\$300.00		8	\$2,400.00
<b>TOTAL:</b>				<b>\$500,000.00</b>

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

**FORM C – CAPITAL REQUEST**

<b>AGENCY PRIORITY</b>	<b>2</b> <i>Provide the Agency Priority Ranking from the Executive Summary.</i>
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<b>TITLE</b>	<b>Smith Science Building Renovation</b> <i>Provide a brief, descriptive title for this request.</i>
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<b>AMOUNT</b>	<b>\$5,000,000</b> <i>How much is requested for this project in FY 2019-20? This amount should correspond to the total for all funding sources on the Executive Summary.</i>
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<b>CPIP PRIORITY</b>	<p><b>Smith Science Building Renovations</b> Plan year 19-20</p> <p><b>In FY 18</b>, Upstate submitted a request for 8 M to renovate the Smith Science building. 3.5 M was approved which allowed phase 1 project preparation planning to begin. Phase 1 planning consists of (3.5 M + 750k ICPF): replace/update the mechanical system and exhaust system (electrical, plumbing, etc.) that are original to this building. The mechanical systems are outdated and must be replaced before full lab renovations with hoods, furnishings, etc. can take place.</p> <p>In FY 19 an additional 3M was approved for interior renovations to upgrade casework, fume hoods, utilities, lighting and lab finishes.</p> <p>Flex space requirements during construction: Construction of the mechanical system replacement requires a complete replacement of the ceiling to gain access for replacement of all ductwork above the ceiling. This scope requires displacement of all current functions i.e. classrooms, offices, etc. Some classroom functions can be relocated to other campus buildings but wet lab with fume hood functions will require a dedicated modular classroom unit for use during the construction project. The estimated cost for the leased modular unit and associated site development is 977K.</p> <p><b><u>The request of \$5,000,000 along with \$250,000 of internal funding will complete the project and fund the internal lab renovations lab expansions and provide temporary classroom lab flex space during construction. Note that cost estimates have increased per because of construction demands.</u></b></p> <p>This project would add essential teaching lab spaces with fume hoods for the Division of Natural Sciences and Engineering. This building was constructed in 1984 and has been modified through the years to accommodate student enrollment/growth. We have converted general classrooms and office suites to lab space.</p> <p>Additional teaching laboratory space is needed in order to accommodate increasing numbers of students taking courses in the Division of Natural Sciences and Engineering. Each semester, we provide labs not only for our 400 biology and chemistry majors, but also for pre-nursing, physical education, and exercise and sport science majors. In addition, all students must take a lab-science as part of the USC Upstate general education curriculum, and we offer 19 of the 21 lab courses approved as part of that curriculum. In total, we typically offer nearly 100 laboratory sections each semester with a typical enrollment of 24 students each (in labs with a maximum seating capacity of 24).</p> <p>Scope of Work: Existing lab benches, tables and fume hoods will be replaced and new fume hoods added. Updates to the configuration and expansion of teaching labs and associated support</p>
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<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

spaces are needed to meet institutional growth. Scope of work will construct additional labs adjacent to the existing labs to include teaching lab space with fume hoods, large classrooms, and animal facility research lab.

As we have converted lab space, we have replaced classroom space with teaching labs. The addition of a large classroom (capacity 75 students) would meet classroom needs with the exception of very specialized labs such as organic chemistry and microbiology, most lab rooms are scheduled at near 100% occupancy.

*Identify the project's CPIP plan year and priority number, along with the first year in which the project was included in the agency's CPIP. If not included in the agency's CPIP, please provide an explanation. If the project involves a request for appropriated state funding, briefly describe the agency's contingency plan in the event that state funding is not made available in the amount requested.*

**OTHER APPROVALS** No additional funds have been obtained. Funds and approval to proceed with design and construction requires approval from the USC BOT, State CHE, JBRC, and SFAA.

*What approvals have already been obtained? Are there additional approvals that must be secured in order for the project to succeed? (Institutional board, JBRC, SFAA, etc.)*

**LONG-TERM PLANNING AND SUSTAINABILITY** Upstate has invested 1.75 M in teaching lab space required for classes and faculty in the past 5 years (this includes equipment and building modifications).

Annually we spend approx. \$300,000 in operating expenses to keep the equipment – hoods, etc., operational. Renovation of mechanical systems should result in a decrease in annual operating costs.

*What other funds have already been invested in this project (source/type, amount, timeframe)? Will other capital and/or operating funds for this project be requested in the future? If so, how much, and in which fiscal years? Has a source for those funds been identified/secured? What is the agency's expectation with regard to additional annual costs or savings associated with this capital improvement? What source of funds will be impacted by those costs or savings? What is the expected useful life of the capital improvement?*

**SUMMARY** Horace C Smith Science Building Renovation:

Scope of Work: Replace/update the mechanical and exhaust systems, which are central to lab operations. These labs support teaching experiential learning required in all sciences. Existing lab benches, tables, and fume hoods will all be updated/upgraded in the renovation. The current lab stations are not conducive for the level of lab experimentation that is now required in undergraduate education.

Justification: HVAC, fume hoods and millwork are original to the building and are in need of replacement. Additional teaching laboratory space, (17,000 gsf), is needed in order to accommodate increasing numbers of students taking courses in the Division of Natural Sciences and Engineering. Each semester we provide labs not only for our 400 biology and chemistry majors but also for pre-nursing, physical education, and exercise and sport science majors (nearly 1500 total students). The growth of these programs requires the expansion of lab space.

Alternative Considered: Periodic repair or replacement of equipment is made as needed. We have considered replacing fume hoods but are concerned about impact to the HVAC

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

system if we piecemeal the replacements. Classes are scheduled and designed based on limited availability of class specific lab requirements, which is an approach that has nearly exhausted its capacity.

*Provide a summary of the project and explain why it is necessary. Please refer to the budget guidelines for appropriate questions and thoroughly answer all related items.*

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H 340	<b>SECTION:</b>	20C

**FORM C – CAPITAL REQUEST**

<b>AGENCY PRIORITY</b>	<b>5</b>
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*Provide the Agency Priority Ranking from the Executive Summary.*

<b>TITLE</b>	<b>Deferred Maintenance (1:1 Match)</b>
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*Provide a brief, descriptive title for this request.*

<b>AMOUNT</b>	<b>\$1,000,000</b>
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*How much is requested for this project in FY 2020-21? This amount should correspond to the total for all funding sources on the Executive Summary.*

<b>CPIP PRIORITY</b>	This initiative to share maintenance expenditures is not identified in CPIP.
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*Identify the project's CPIP plan year and priority number, along with the first year in which the project was included in the agency's CPIP. If not included in the agency's CPIP, please provide an explanation. If the project involves a request for appropriated state funding, briefly describe the agency's contingency plan in the event that state funding is not made available in the amount requested.*

<b>OTHER APPROVALS</b>	To the extent necessary by policy or regulation, approvals from the University Institutional Board, CHE, JBRC and SFAA must be secured.
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*What approvals have already been obtained? Are there additional approvals that must be secured in order for the project to succeed? (Institutional board, JBRC, SFAA, etc.)*

<b>LONG-TERM PLANNING AND SUSTAINABILITY</b>	The University prioritizes and addresses deferred maintenance issues annually from institutional funds. If the state does not provide additional funds for this purpose, available funds will be leveraged to address those maintenance needs deemed most critical.
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*What other funds have already been invested in this project (source/type, amount, timeframe)? Will other capital and/or operating funds for this project be requested in the future? If so, how much, and in which fiscal years? Has a source for those funds been identified/secured? What is the agency's expectation with regard to additional annual costs or savings associated with this capital improvement? What source of funds will be impacted by those costs or savings? What is the expected useful life of the capital improvement?*

<b>AGENCY NAME:</b>	<b>USC Upstate</b>		
<b>AGENCY CODE:</b>	<b>H 340</b>	<b>SECTION:</b>	<b>20C</b>

<b>SUMMARY</b>	<p>Maintenance is a continued cost of ensuring the learning infrastructure is managed in a manner to maximize the educational use while maintaining a strong sense of stewardship for the assets and available resources. We are proposing a match on a 1:1 basis whereby USC Upstate would use any proceeds received to address a variety of deferred or appropriate critical repair and related maintenance, and or address any other critical equipment, and systems repair. Key focus is upon using funds on life and safety maintenance matters to maintain an efficient and effective operation of USC Upstate’s educational missions.</p> <p>Appropriated funds would only be utilized for capital renewal, maintenance, and repairs of E&amp;G facilities and would not be used for new construction. Matching funds by the university would exclude supplemental, capital reserve, lottery, and or non-recurring state funds appropriated to USC Columbia for a specific use in the current fiscal year.</p> <p>The strategic use of this 1:1 match will act as a catalyst to address:</p> <ol style="list-style-type: none"> <li>1. Critical repairs</li> <li>2. Maintain State University assets at a more optimal operating basis</li> <li>3. Maximize existing educational space for instruction and guidance</li> <li>4. Support new and or growing number of jobs through the use of repair and maintenance services companies and or component manufacturers.</li> </ol>
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*Provide a summary of the project and explain why it is necessary. Please refer to the budget guidelines for appropriate questions and thoroughly answer all related items.*

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

**FORM E – AGENCY COST SAVINGS AND GENERAL FUND REDUCTION CONTINGENCY PLAN**

<b>TITLE</b>	Agency Cost Savings and General Fund Reduction Contingency Plan
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<b>AMOUNT</b>	\$467,491
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*What is the General Fund 3% reduction amount (minimum based on the FY 2019-20 recurring appropriations)? This amount should correspond to the reduction spreadsheet prepared by EBO.*

<b>ASSOCIATED FTE REDUCTIONS</b>	1.5 FTE
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*How many FTEs would be reduced in association with this General Fund reduction?*

<b>PROGRAM/ACTIVITY IMPACT</b>	Education and General Unrestricted (I.A) and associated Employee Benefits (II). The Campus’ primary mission of providing instructional services to students would be impacted. However, the campus would make every effort to minimize the impact on Instructional services. Both academic and service units are funded from the Campus’ general fund, which is comprised almost exclusively from State General Fund and student tuition and fee revenue.
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*What programs or activities are supported by the General Funds identified?*

<b>SUMMARY</b>	<p>While a 3% cut across appropriation proposal seems equitable in theory, the funds are not distributed equitably on the front end. Upstate has less funding (appropriations) per student than other comprehensives and therefore any cuts will cause a disproportional strain operationally compared to other comprehensive institutions in the state. Upstate’s plan would reduce maintenance funds, part time faculty and delay hiring a replacement of one full time employee. The proposed decrease in funding areas are less disruptive operationally in the short term but long-term cuts will diminish our ability to serve the Upstate region and erode our effectiveness in achieving our mission.</p> <p><b>\$200,000 – Reduce Support for Campus Maintenance/Renewal Projects – USC</b> Upstate has made efforts in recent years to do more to address its aging facilities and infrastructure. This would reduce the available funding for maintenance/renewal projects and fleet replacements and put greater burden on related systems in subsequent years. With the decrease of deferred maintenance funds from the State, this could have dire impact on the condition of campus buildings and infrastructure.</p> <p><b>\$108,998 – Reduce adjunct faculty across academic departments.</b> This will increase the class sizes and faculty/student ratios.</p> <p><b>\$158,493 – Hold on replacement of a vacant faculty position.</b> Upstate is hiring new faculty to fill slots vacated by FY 2018-19 retirees. The plan would be to hold on a replacement until funding is restored. This will negatively impact class size and faculty/student ratios.</p>
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*Please provide a detailed summary of service delivery impact caused by a reduction in General Fund Appropriations and provide the method of calculation for anticipated reductions. Agencies should prioritize reduction in expenditures that have the least significant impact on service delivery.*

<b>AGENCY NAME:</b>	<b>USC Upstate</b>		
<b>AGENCY CODE:</b>	<b>H340</b>	<b>SECTION:</b>	<b>20C</b>

<b>AGENCY COST SAVINGS PLANS</b>	<p>Reductions of any kind have significant impact on USC Upstate’s ability to provide a high-quality education appropriate to a baccalaureate institution.</p> <p>Upstate’s plan would reduce the funding for maintenance projects, part time faculty and delay hiring a replacement of one full time employee. The proposed decrease in funding areas is less disruptive operationally in the short-term but long-term cuts will diminish our ability to serve the Upstate region and erode our effectiveness in achieving our mission.</p>
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*What measures does the agency plan to implement to reduce its costs and operating expenses by more than \$50,000? Provide a summary of the measures taken and the estimated amount of savings. How does the agency plan to repurpose the savings?*

<b>AGENCY NAME:</b>	USC Upstate		
<b>AGENCY CODE:</b>	H340	<b>SECTION:</b>	20C

**FORM F – REDUCING COST AND BURDEN TO BUSINESSES AND CITIZENS**

<b>TITLE</b>	Zero Tuition Increase
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*Provide a brief, descriptive title for this request.*

<b>EXPECTED SAVINGS TO BUSINESSES AND CITIZENS</b>	\$445,000 per 1% tuition increase \$890,000
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*What is the expected savings to South Carolina’s businesses and citizens that is generated by this proposal? The savings could be related to time or money.*

<b>FACTORS ASSOCIATED WITH THE REQUEST</b>	<b>Mark “X” for all that apply:</b>
	<input type="checkbox"/> Repeal or revision of regulations.
	<input type="checkbox"/> Reduction of agency fees or fines to businesses or citizens.
	<input type="checkbox"/> Greater efficiency in agency services or reduction in compliance burden.
	<input checked="" type="checkbox"/> Other

<b>METHOD OF CALCULATION</b>	Estimated amount of 2% increase in tuition with flat enrollment.
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*Describe the method of calculation for determining the expected cost or time savings to businesses or citizens.*

<b>REDUCTION OF FEES OR FINES</b>	N/A
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*Which fees or fines does the agency intend to reduce? What was the fine or fee revenue for the previous fiscal year? What was the associated program expenditure for the previous fiscal year? What is the enabling authority for the issuance of the fee or fine?*

<b>REDUCTION OF REGULATION</b>	N/A
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*Which regulations does the agency intend to amend or delete? What is the enabling authority for the regulation?*

<b>SUMMARY</b>	For the past 2 years, USC Upstate has focused on accessible education by holding tuition rates flat. Last year tuition increased .5 %. This year Upstate held to zero increase for both instate and out of state tuition.
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*Provide an explanation of the proposal and its positive results on businesses or citizens. How will the request affect agency operations?*