VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
(Agency 208)

Capital Project Budget Amendment Proposal

Planning Data Analytics and Decision Sciences Building

	2018-19	2019-20
Additional Funds Requested:		
General Fund	$4,500,000	$0
Nongeneral Fund	$0	$0

Virginia Tech has developed an exciting academic program to meet the demands of commercial and government organizations seeking students with strong skills and training in data analytics and related quantitative methods. By listening to the call from employers for specific needs, the University has brought together key academic programs in science, engineering, mathematics, business, and international affairs to create a new program known as *Data Analytics and Decision Sciences*.

The goal of Data Analytics and Decision Sciences (DADS) is to advance the capability of translating the exponentially growing and unorganized sea change of data into decisions across multiple traditional disciplines sought by commercial and government organizations. To advance this initiative, the University is expanding its faculty lines and is organizing faculty in new and unique ways that create powerful partnerships not available in traditional college and departmental arrangements. To implement the vision for this program, the University requires new space to co-locate the faculty comprising this interdisciplinary program strategy and to create the new types of learning spaces needed to teach the growing number of students seeking training in data and decision sciences.

The University has developed a multi-part facility solution to support the space needs for the Data Analytics and Decision Sciences program. The solution is called the *Global, Business, and Data Analytics Complex*. The solution includes the four components listed below and reflects a unique partnership of the Commonwealth of Virginia, private donors, auxiliary enterprises, and self-generated revenues to fund the facilities.

1) Data Analytics and Decision Sciences Building (this request):
   - 120,000 gross square feet undergraduate instruction classrooms, laboratories, and faculty offices,
   - $75 million total project costs,
   - Request for General Fund appropriation.

2) New College of Business Building:
   - 104,000 gross square feet of undergraduate and graduate instruction classrooms and laboratories, and faculty offices,

- $75 million total project costs,
- Entirely nongeneral fund support by private donations to be authorized by the University's Board of Visitors under restructuring authority.

3) Two residential buildings with living-learning communities focused on business, decision sciences, and international affairs:
   - 700 new residential beds,
   - $84 million total project costs,
   - Entirely nongeneral fund support by auxiliary enterprise revenues to be authorized by the University's Board of Visitors under restructuring authority.

4) International Affairs Building:
   - 30,000 gross square feet of conference and seminar rooms, student team space, instruction spaces, and offices,
   - $21 million total project costs,
   - Entirely nongeneral fund support by collapsed leases and self-generated revenues to be authorized by the University's Board of Visitors under restructuring authority.

The facilities may be designed as a system with the intent to be implemented in phases as funding becomes available. The four buildings will be located proximal to each creating a data analytics and decision sciences precinct and adjacent to existing buildings of the College of Engineering and the College of Science.

The Data Analytics and Decision Sciences Building component of the multi-part facility complex is envisioned as 120,000 gross square feet including 32 large classrooms, 8 large data processing class laboratories, 19 student–team project spaces and conference spaces, and 106 shared faculty office spaces. The total project cost estimate is $75 million and is a high priority on the University's capital outlay plan.

This request is for a $4.5 million appropriation to complete detailed planning for the Data Analytics and Decision Sciences Building. Because of the importance of this project to the university's mission and strategic plan, the university is prepared to temporarily fund the planning work with nongeneral fund resources until General Fund resources may be appropriated for the construction phase of the project. Nongeneral funds expended for this purposes may be reimbursed from future General Fund appropriations, as may be authorized for construction of the project, upon the authorization of such funds.