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Two years ago, the University of Virginia’s Board of Visitors established the Strategic Investment Fund (SIF) to support initiatives that have the potential to transform a critical area of knowledge or operation of the University in our continuous pursuit of excellence. In its first two years of existence, we have focused on broad areas of investment that include research and research infrastructure, the academic experience and access and affordability.

Since approving the first awards from the Strategic Investment Fund in September 2016, the Board has committed a total of $350.6 million toward 37 different projects. Several of these awards, including the Bicentennial Scholars Fund and the Bicentennial Professors Fund, were structured to enable the University to attract philanthropic support by offering matching funds. Donors have committed more than $100 million toward need- and merit-based undergraduate scholarships and graduate fellowships as a result of this effort. The Bicentennial Professors Fund, approved in FY18, is proving to be equally attractive to donors whose gifts will be matched with support from the SIF.

Projects funded in 2016-17 have already made significant progress toward their goals. Highlights are included in the following pages. The Board approved new commitments of almost $136.2 million toward 11 projects in 2017-18. Descriptions of these newly-funded projects are also included in this report. The breadth and depth of research supported by the Strategic Investment Fund and the bold investments that the University is making in our students and faculty clearly demonstrate our abiding commitment to invest in institutional priorities that will strengthen the University’s position in its third century.

I look forward to following the ongoing progress of initiatives supported through the Strategic Investment Fund and working with University leaders and my fellow Board members to continue to support investments in excellence across the University.

Frank M. Conner III, Rector
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PROJECTS SUPPORTED BY THE STRATEGIC INVESTMENT FUND 2017-2018

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RESEARCH & INFRASTRUCTURE
Behavioral research has wide-ranging practical implications at the convergence of business, engineering, policy, medicine and nursing. Approved by the Board of Visitors in December 2017, this $2,153,150 award from the Strategic Investment Fund will support investment in research behavioral facilities and the development of a research platform based at the Darden School of Business that will be shared with the University. Initial partners include colleagues from the Schools of Engineering, Medicine and Nursing and the Frank Batten School of Leadership and Public Policy. This investment in behavioral research infrastructure will position the University to lead in the application of behavioral science to solve society’s biggest problems. These resources will be particularly useful for junior faculty who have not yet obtained their own funding and for researchers who wish to bring behavioral research to bear in fields where it is not yet standard.
NEW PROJECT

MAXIMIZING ENERGY EFFICIENCY

SMART INFRASTRUCTURE

The University of Virginia functions much like a small city with a complex infrastructure and services to support its operations. In December 2017, the Board of Visitors approved an investment of $2,036,500 over three years to develop and deploy a living testbed for smart infrastructure that monitors and controls UVA’s physical plant, promoting efficiency savings. It will provide faculty, students and the broader Commonwealth community with a unique forum for developing next generation technologies for smart-industrial and smart-city environments. With Strategic Investment Fund support, the University will create a wireless-sensor testbed on top of its physical plant. This “living lab” will be a unique asset for applied research and has the potential to attract federal and corporate research funding. The project will provide a unifying platform for smart infrastructure activities that will incorporate data analytics to reduce energy consumption.

FUNDS COMMITTED IN DECEMBER 2017: $2,036,500
NEW PROJECT

FOSTERING
FACULTY COLLABORATION

3 CAVALIERS RESEARCH SEED FUND

Based on a successful program at the University of Michigan, the 3 Cavaliers (3C) Research Seed Fund was designed to foster a collaborative research culture through early stage funding of multidisciplinary teams. A Strategic Investment Fund award of $3,340,000 approved by Board of Visitors in December 2017 will provide support for groups of three collaborative faculty members spread across at least two disciplines, located in different units or schools, to formulate and explore creative, high-risk, high-payoff interdisciplinary research ideas that might not be ready for more traditional research funding.

Administered by the Office of the Vice President for Research, self-assembled 3C teams will apply for $15,000 or $60,000 in seed funds. Matching support from schools is required. Launching in July 2018, the program seeks to empower faculty creativity, advance the interdisciplinary research culture and increase prospects for external funding.

FUNDS COMMITTED IN DECEMBER 2017: $3,340,000
Cross-disciplinary collaboration stands at the heart of the University of Virginia’s academic culture. The 3 Cavaliers research seed fund will provide unique support for collaborative efforts, positioning the University’s faculty to make bolder and more consequential discoveries than traditional funding might allow.

Primarily, the initiative will fuel the creation of interdisciplinary, self-assembled faculty research trios. In order to win financial support, the faculty who form these teams must meet several important requirements. The research they plan to conduct must be new and not yet externally funded. Additionally, the three participants must be spread across at least two disciplines in different schools, colleges or divisions. Finally, as an outcome of their project, the trios must submit a minimum of one proposal to a funding agency, or demonstrate progress toward achieving the “gold standard of excellence” in their field. These stringencies will ensure that the fund supports the audacious, innovative and multidisciplinary research for which it has been intended.

Each project will run for a minimum of one year, with a possible six-month extension. At the end of this period, each faculty trio will offer a symposium presentation.
NEW PROJECT

COMBATING ADDICTION

REDUCING THE BURDEN OF ADDICTIONS IN VIRGINIA

In December 2017, the Board of Visitors approved an award from the Strategic Investment Fund of $3,586,726 over four years to provide seed funding for projects related to addressing fundamental scientific and health issues related to binge drinking, smoking cessation and opiate abuse prevention. The award also supports investment in the infrastructure necessary to begin this research using eHealth and mHealth (internet and mobile) platforms, creating technologies and interventions to reduce the burden of addictions. These core resources and early work will strengthen the School of Medicine’s position as its faculty compete for external funding.

FUNDS COMMITTED IN DECEMBER 2017: $3,586,726
Among the most important questions in science are those that relate to the origins and prevalence of life in the universe. A $1,000,000 Strategic Investment Fund award approved by the Board of Visitors in December 2017 supports the establishment of the Virginia Initiative on Cosmic Origins to foster collaborations that will transform understanding of the key physical and chemical processes involved in the formation of habitable planets. This investment leverages the University’s close ties to the federally-funded National Radio Astronomy Observatory (NRAO) and funding matches from the Max Planck Institute in Garching, Germany and the Chalmers University of Technology in Sweden. Based at the University of Virginia, the interdisciplinary research center will be led by faculty from the departments of astronomy and chemistry and will involve colleagues from computer science, environmental sciences and materials science and engineering. Their work with partners outside the University will help to establish UVA’s preeminence in the emerging field of cosmic origins.

**Funds Committed in December 2017: $1,000,000**
**NEW PROJECT**

**RE-ENVISIONING AUTISM RESEARCH**

**SUPPORTING TRANSFORMATIVE AUTISM RESEARCH (STAR)**

Autism is a complex neurodevelopmental disorder that affects a rapidly increasing number of children, adults, families, and communities across the nation. With a Strategic Investment Fund award of $6,212,950 approved by the Board of Visitors in December 2017, the University of Virginia is poised to create interdisciplinary real-world solutions that greatly improve outcomes for individuals with autism and their families. Led by researchers in the Curry School of Education, the proposed infrastructure will enable faculty to address critical knowledge gaps and foster novel discoveries through groundbreaking research.

At the heart of the project is a new Autism Research Core to support pan-University autism research by providing centralized project coordination, recruitment and specialized testing by certified personnel. It will include an integrated autism database to facilitate interdisciplinary research through secure storage, sharing, and analysis of autism data across clinics and programs. Additionally, the project will provide access to evidence-based resources for families and specialized autism training for students and practicing professionals, building capacity by infusing cutting-edge knowledge into community-based practices. Curry is actively seeking philanthropic support for this important work. Investments through SIF and from private donors will advance research and enhance Curry’s ability to compete for federal funds.

**FUNDS COMMITTED IN DECEMBER 2017: $6,212,950**
MAKING CONNECTIONS

According to the Centers for Disease Control and Prevention, nearly one in 68 children have some form of autism – a rate that has increased by more than 120 percent since 2002. Despite its prevalence, critical questions remain about what causes autism and how to provide support to those who need it. Communities across the country face shortages of professionals with training in the disorder, leading to substantial unmet needs from healthcare to education. The Supporting Transformative Autism Research (STAR) initiative plans to tackle these issues by developing innovative and scalable solutions for intervention, support, and training.

In the Curry School of Education, Micah Mazurek, an associate professor and clinical psychologist with expertise in autism, is currently working on a project that uses technology to teach and train primary care providers. The program, Mazurek says, employs videoconferencing technology as a way to connect providers to an interdisciplinary network of autism experts. “In developing the model, we wanted to ensure that the expert ‘hub’ team was composed of members with essential types of expertise in autism,” Mazurek explains. “We ultimately included a pediatrician specializing in autism, a clinical psychologist, a parent of a child with autism, a social worker, a dietitian and a child/adolescent psychiatrist.”

A pilot program has already been tested, but the next step involves implementing it on a larger scale, with 10 new teams of autism specialists and over 150 primary care physicians. “The reach of this project is especially exciting,” Mazurek says. “We can make an exponential impact in underserved areas.”

Mazurek looks forward to the support the STAR initiative will provide. “[It] will allow us to leverage UVA’s remarkable interdisciplinary expertise to address critical areas of need in autism research, services, and training,” she says. “These key resources will provide a springboard for transformative research from basic science to development of novel interventions and supports.”
In 2016, the pan-university Brain Institute was established at the University of Virginia in conjunction with the University’s strategic planning effort to tackle some of society’s most difficult and pressing challenges. In June 2017, the Board of Visitors approved a Strategic Investment Fund award of $15,710,000 for an initiative called Bold Research Advancements in Neuroscience (BRAIN) to complement the efforts of the Brain Institute. The investment builds upon the University’s research strengths in neuromodulation, neurodegeneration and epilepsy and uses advanced technologies to further research, improving diagnostics and treatment and discovering cures.

Bolstered by the SIF award, UVA is positioned to lead the field in brain research because of our faculty’s ability to develop novel ligands (an ion or molecule attached to a metal atom by coordinate bonding), access to state-of-the-art equipment that has been funded in part by the SIF investment, and expertise in dynamic imaging, radiochemistry and nuclear medicine imaging instrumentation.

Over the year since approval of the SIF award, the Brain Institute team has made...
great progress. They have created an administrative infrastructure for research catalysis, project management, fiscal control and reporting. They recruited a focused ultrasound neuroscientist and initiated a clinical trial. The team submitted a grant proposal to the National Institutes of Health as part of the Network for Excellence in Neuroscience Clinical Trials, NeuroNEXT, which conducts studies of treatments for neurological diseases through partnerships with academia, private foundations and industry.

Coordinated through the Brain Institute, the SIF award has supported the recruitment of neuroscience faculty with expertise in the areas of autism, traumatic brain injury, neurodegeneration, epilepsy and visual/sensory sciences through the University’s cluster hiring process. These new faculty will work together with colleagues based in the School of Medicine, School of Engineering, the College of Arts & Sciences and the Curry School of Education.

The investment through SIF has enabled the Brain Institute to provide seed funding to catalyze basic, translational and imaging neuroscience research while tracking metrics for collaboration, publications and funding. In year one, they received 29 proposals and made awards totaling $880,000 to ten collaborative basic and translational project teams.

With SIF support, the Brain Institute has created research studios to aid in establishing translational and clinical research projects and guide the project leads through committee and regulatory hurdles. Thus far, research studios have been convened for four UVA projects in autism, alcohol use disorder, epilepsy and brain cancer.

Neuroscience graduate and undergraduate students also benefit from the Brain Institute’s progress as a result of the SIF award. The Neuroscience Graduate Program (NGP) has expanded, four new Presidential Fellows were named, and the NGP seminar series has expanded from 9-months to 12-months. The Brain Institute is in the early stages of planning a 3-day symposium to be held at UVA in May 2019 that will bring together leaders in brain research.

**Funds Committed in June 2017: $15,710,000**
The University of Virginia is a world leader in Type 1 diabetes genomics, technology and cell therapy and is quickly building strength in immunology. In December 2016, the Board of Visitors approved a Strategic Investment Fund award of $16,992,531 to support an initiative that involves genetic screening and early detection through the establishment of a statewide network, the use of an artificial pancreas to control diabetes in patients and investments in immunotherapies and treatments that could ultimately lead to a cure for Type 1 diabetes.

In the year and a half since the SIF award, the project has made significant progress. Nine faculty members have defined roles in advancing the work related to screening for genetic markers of Type 1 diabetes and early signs of autoimmunity. They have established a network that presently includes three UVA pediatrics clinics, hired clinical research coordinators and genetic counselors, and developed processes to recruit participants at each site after obtaining consent through UVA Institutional Review Board (IRB) approved protocols. Procedures are in place to identify those at high genetic risk of Type 1 diabetes, detect the presence of diagnostic islet autoimmunity and monitor to prevent occurrence of diabetic ketoacidosis. Planning is underway to expand this screening network to other UVA-affiliated sites located throughout the Commonwealth.
In addition, work has continued to advance the UVA Diabetes Technology Program and the UVA Artificial Pancreas Project. The UVA Artificial Pancreas Project is now number one in the world with three ongoing, large-scale multi-center trials led by UVA. The International Diabetes Closed Loop (iDCL) Trial is the largest and most definitive study of artificial pancreas ever attempted. Two artificial pancreas systems – one mobile running on a smartphone and one embedded into an insulin pump – have been licensed by industry and are expected to launch in the next year, paving the way to automated insulin replacement – a functional cure for Type 1 diabetes – within two years.

Strategic faculty hires for the Diabetes Technology Program are complete and the Diabetes Data Science Training Program is active, involving postdoctoral fellows, graduate students and an undergraduate internship program. The Precision Individualized Medicine for Diabetes (PrIMeD) Pilot Interdisciplinary Research Program is underway, with trials conducted throughout 2017-18 to test the artificial pancreas in extreme winter-sport and summer-sport conditions. Extreme system testing is mandated by the Food and Drug Administration and is critical for the establishment of the artificial pancreas as a functional cure for Type 1 diabetes. The PrIMeD Technology Program has sought and obtained additional funding from the Commonwealth of Virginia and industry, and submitted several federal funding applications for review this year, all of which use PrIMeD developments as background.

Collaborative efforts by the immunotherapy team have identified several processes for manufacturing potent T regulatory cell (TREGs) products that suppress nonspecific and specific autoimmune reactions. The TREGs will be used in a cell therapy treatment protocol to block autoimmunity in Type 1 diabetes.

**FUNDS COMMITTED IN DECEMBER 2016: $16,992,531**
In September 2016, the Board of Visitors approved a $4,461,000 Strategic Investment Fund award for ResearchNet to help faculty compete for sponsored research grants by creating an infrastructure to identify grant opportunities, support the development of strong grant proposals and assist faculty in finding potential collaborators across Grounds. With support from the Office of the Vice President for Research, the Office of Sponsored Programs and the schools, ResearchNet has been progressing steadily and providing support to faculty across the University. The ResearchNet team has supported faculty proposal development for major grants, including a successful submission garnering $27 million for the Center for Research on Intelligent Storage and Processing-in-memory from the Semiconductor Research Corporation and the submission of a $17.5 million National Institutes of Health Clinical and Translational Science Award application.

The project team has licensed and developed tools for research development, including funding discovery databases, a system for managing internal competitions and a system for tracking and reporting on research development activities. They have partnered with the Health Sciences Library and the University of Virginia Library to provide workshops for faculty and students on online tools for discovery of research opportunities. In addition, they have canvassed support for mentoring and peer group assistance to early career researchers.

ResearchNet has promoted cross-Grounds, strategic research collaborations and provided ongoing support for pan-university institutes and SIF-funded institutes and centers. The SIF award has provided support to bring in key personnel from the School of Medicine, the School of Engineering and Applied Science, the College of Arts & Sciences, the Curry School of Education and the School of Architecture to work on key initiatives. For example, the Arts & Sciences Director of Sponsored Research Development is working with the College to develop a new research management model for arts and sciences.

**Funds Committed in September 2016: $4,461,000**
ACADEMIC EXPERIENCE
Recruiting and retaining distinguished faculty has been among the University of Virginia’s highest priorities since its founding 200 years ago. This ongoing commitment remains central to providing an exceptional education to our students that is grounded in the work of our faculty who teach, mentor and inspire them each day. In December 2017, the Board of Visitors approved a $75 million investment over four years to create the Bicentennial Professors Fund and attract significant philanthropic support. This is a particularly important investment during a time of generational change among the faculty.

In March 2018, the Board approved an additional $20 million investment, also requiring a philanthropic match. This second award will be managed by the Executive Vice President and Provost and focuses on creating chaired professorships in areas that change how our society approaches broad issues including tolerance and governance, as well as on expanding the diversity of the faculty.

**Funds Committed in December 2017:** $75,000,000  
**Funds Committed in March 2018:** $20,000,000
$95 MILLION TOTAL COMMITMENT TO THE BICENTENNIAL PROFESSORS FUND

PAVING THE WAY FOR AN OUTSTANDING FUTURE

As it prepares to enter its third century of offering one of the best educational experiences in the nation, the University of Virginia is making bold commitments to secure its prominence in the world of higher education. Among them is the Bicentennial Professors Fund.

The investment will enable the creation of an estimated 70 endowed professorships, covering not only the salaries for emerging, mid-career and distinguished scholars, but other essential expenses such as the recruitment of graduate students and the acquisition of laboratory space.

“This financial support is the kind of transformative infusion we need to succeed in the competitive higher-ed marketplace,” Executive Vice President and Provost Thomas C. Katsouleas said.

Like its peers nationwide, UVA is in the midst of substantial turnover among its faculty, as a generation of professors who helped forge the University’s reputation as an academic power begin to retire in increasing numbers.

“Our university is fortunate to have a Board of Visitors that understands the importance of linking the philanthropic passion of donors with the University’s top priorities and is willing to provide funds that enable us to leverage additional support,” said Vice President for Advancement Mark Luellen.
NEW PROJECT

INVESTING IN GRADUATE SCHOLARSHIP

CURRY SCHOOL OF EDUCATION
TOTAL GRADUATE FELLOW SUPPORT

In March 2018, the Board of Visitors approved a SIF award of $2,508,894 over three years for the Curry School of Education to develop a pilot program focused on graduate student support. The pilot is designed to allow Curry to attract the highest-achieving doctoral students, continue to improve its standing in national and global rankings, and create a best practice for start-to-finish support for graduate students that could serve as a model for other schools. Along with robust doctoral funding packages for high-achieving students, the investment will provide summer support funding and travel funds, increasing these students’ scholarly productivity and decreasing time to graduation. It will also support career advising resources to connect students with federal research funding opportunities.

Funds committed in March 2018: $2,508,894
At the request of the Deans Working Group, the Board of Visitors approved a $1.5 million Strategic Investment Fund award in March 2018 to pilot the Bridging Project. This project will support diversity programming designed to help students, faculty and staff benefit from the University’s diversity through “bridging” – forging opportunities for members of the University community to connect with and learn from others different from themselves.

**Funds Committed in March 2018: $1,500,000**
In September 2016, the Board of Visitors approved a $4.8 million Strategic Investment Fund award to provide crucial financial support for graduate students in the College of Arts & Sciences (A&S) to reduce time-to-degree, increase retention rates and improve career outcomes. This investment has yielded impressive results including supporting 47 advanced doctoral students in completing their dissertations and pursuing professional development for the job market and enabling A&S to commit five years of summer support to 219 admitted students. The SIF award also allowed A&S to reduce the standard pre-dissertation period to a maximum of three years in all but two programs in the humanities and social sciences.
Faculty and administrators have collected qualitative evidence across humanities and social sciences programs regarding recruiting successes, and implemented a reporting protocol across all departments to study longitudinal gains in admission yield at the top end of ranked admission lists.

Building on this progress, the Board approved an additional award from SIF in March 2018, committing more than $15.8 million over five years to transform doctoral education in A&S. With this investment, leaders in A&S will fund 100 Grand Challenge Fellowships in strategic research areas to support robust intellectual and professional development for the most ambitious doctoral students. In addition, they will broaden doctoral career pathways through a new PhD Plus program that will allow students to put their knowledge into practice through experiential learning opportunities. These strategic investments will establish a new, future-focused model of graduate education, greatly enhancing the University’s ability to attract the best graduate students in the 21st century. In addition, the presence of these talented graduate students will strengthen the University’s ability to recruit and retain faculty at the highest levels of research productivity.

FUNDS COMMITTED IN SEPTEMBER 2016: $4,800,000
FUNDS COMMITTED IN MARCH 2018: $15,800,000
Among the first commitments from the Strategic Investment Fund was an investment of $559,500 in September 2016 in USOAR – Undergraduate Student Opportunities for Academic Research – to match first-year, second-year and transfer students without previous significant experience in research with paid research positions funded by the Federal Work Study Program and the University’s Office of Undergraduate Research. Demand far outpaced the number of funded positions, and the SIF award allowed the program to expand by providing a 30% match to leverage federal funds, offering invaluable research experience to more undergraduates.

With the SIF investment, USOAR grew from 44 participants in 2016-17 to 90 in 2017-18. More than a third of the 2017-18 participants were in their second year of the program. USOAR has helped students chart academic and career paths. A past participant received a $10,000 scholarship from the Astronaut Scholarship Foundation in 2017-18, and another began a doctoral program in biology at Duke University on a National Science Foundation Graduate Research Fellowship. Leaders in the Office of Undergraduate Research continue to recruit faculty mentors to expand the program and provide research opportunities to increased numbers of undergraduate students.

**Funds Committed in September 2016: $559,500**
Steven Stetzler likes to ask big questions, such as “What is the universe made of?” and “Why is the universe the way it is?”

“My research interests lie at the intersection of physics and computing, which has led me to the fields of high-energy physics and astrophysics,” he said. “I want to work in these two fields because they address the questions important to me.”

Stetzler, a fourth-year physics and computer science major at the University, has received a $10,000 scholarship from the Astronaut Scholarship Foundation to help him in his questioning. His success has been made possible in part by the Undergraduate Student Opportunities for Academic Research (USOAR) program. The investment has enabled Stetzler and other exceptional UVA students to chart groundbreaking academic and career paths.

This summer, Stetzler worked at the National Radio Astronomy Observatory’s Very Large Array in New Mexico, studying the population of binary pulsars. He has also been involved with the MU2e Cosmic Ray Veto group, which is helping uncover the mystery of matter and antimatter asymmetry in the early universe.

“Steven is a highly motivated young man who is extremely talented,” said physics professor Craig E. Dukes. “He is a star in our department, one of two students who were selected from a class of more than 50 to represent the department at PhysCon 2016 [the Scientific Conference on Physics and Control] in San Francisco. I expect to hear great things from him in the future.”
EXPANDING THE KNOWLEDGE ECONOMY

UVA-WISE INNOVATION ECOSYSTEM

During the year since the Board of Visitors approved a nearly $3.5 million investment from the Strategic Investment Fund for the University of Virginia’s College at Wise Innovation Ecosystem, faculty and staff have made significant progress to expand technical degree programs and entrepreneurial activities in support of economic development in southwest Virginia. They made key hires and continue to recruit faculty and staff for the UVA-Wise innovation center, entrepreneurship program and summer program in entrepreneurship and cybersecurity, along with instructors in math and programming, an early intervention coordinator and a cyber/Management Information Systems (MIS) professor. In addition, the College began working with a consultant to enhance marketing and promotion of its technology degree programs to high school juniors and seniors and they placed UVA-Wise students in cybersecurity and technology summer internships.
UVA-Wise collaborated with higher education, economic development and industry partners to convene the POWER Up SWVA cybersecurity symposium in Abingdon, Virginia in November 2017. The event attracted nearly 230 college students, young professionals, manufacturers and small business representatives from across the region.

Also in 2017-18, UVA-Wise prepared for the inaugural session of its Summer Program in Entrepreneurship and Cybersecurity (SPEC). The program brought together business and computer science students and faculty from the College at Wise and from partner universities the Universidad de los Andes in Santiago, Chile and the University of South Wales in Cardiff, Wales, U.K. Based on campus in Wise, students learned about connections between business and technology in the classroom and through visits to local businesses, Washington, D.C. and Charlottesville.

UVA-Wise leveraged SIF funds along with grants from the Virginia Department of Housing and Community Development (DHCD) to create The Nest, a collaborative facility in Wise where students and community members can gather to create business ideas and generate innovative strategies for the better of the community. The facility will open and begin offering programs in late 2018.

FUNDS COMMITTED IN JUNE 2017: $3,485,460
Modern policing requires officers trained to manage difficult situations made more complex by emerging technologies, the demand for data driven and evidence based decision-making and the overwhelming importance of balancing public safety policies with community needs and expectations. In September 2016, the Board of Visitors approved an award of $600,000 from the Strategic Investment Fund for the School of Continuing and Professional Studies (SCPS) to develop a master’s degree program in Public Safety Administration.

Retired Charlottesville Police Chief Tim Longo began working as program director and assistant professor for the proposed program soon after the Board’s approval of the SIF award, and his position became full-time in November 2017. With support of academic leaders in SCPS, Mr. Longo has been leading the effort to shepherd proposals for the degree program through University and State Council of Higher Education for Virginia (SCHEV) approval processes. The project has been approved by senior leadership of SCPS, the Curriculum Review Committee, and both the Academic Affairs Committee and the Executive Council of the Faculty Senate. While the approval process continues, the team at SCPS is working with stakeholders across the Grounds including in the School of Law, the Curry School of Education, the School of Medicine and the Darden School of Business. These colleagues are helping to develop interdisciplinary aspects of the proposed curriculum and identify potential opportunities for collaboration. SCPS leaders anticipate that the University will bring the program proposal to SCHEV for approval in the fall of 2018 with a goal of enrolling the first cohort in fall 2019.
This business has changed a lot over the years. When I look back on my career, I see how much it has evolved and from that I try to predict what the future issues will be."

TIMOTHY LONGO
FORMER CHARLOTTESVILLE POLICE CHIEF

Even as a child, former Charlottesville police chief Timothy Longo was attracted to working in law enforcement. He recalls when local police officers came to his area of town to capture a stray dog that had bitten someone.

“The police spent time in the neighborhood and I got to know them,” he said. “I don’t remember ever not wanting to be a police officer.”

And for 36 years, he was, holding leadership positions in first the Baltimore and later the Charlottesville police departments. Recently, however, his career has taken a less-expected turn. In December 2017, he joined the faculty of the University of Virginia’s School of Continuing and Professional Studies to help create a master’s degree in public safety administration.

Longo is using his extensive experience to help him design the program. “This business has changed a lot over the years,” he said. “When I look back on my career, I see how much it has evolved and from that I try to predict what the future issues will be.”

Modern police have a variety of concerns, including coping with people with mental illnesses in an era of deinstitutionalization, the potential of global terrorism, keeping up with technology and information capture and accountability — all amid demands that departments re-engineer their approach to the communities they serve.

But for Longo, a core element of 21st-century policing is an old-fashioned one, and it’s an approach that connects back to his experience meeting police officers as a child. He stresses that law enforcement officers must focus on establishing meaningful relationships. That way, “people in the community understand the role of the police, which is to make the community safer,” he said. “Social media can make this easier, but social media doesn’t replace human contact.”

And it’s the contact Longo himself has had, both in the community and within law enforcement, that make him an especially valuable asset for the School of Continuing and Professional Studies.

“I knew he could help us build important relationships locally,” said interim dean Steven Laymon. “And he has a Rolodex of contacts across the nation, so I knew he could help us build ties and collaborations more extensively across the landscape of law enforcement. All in all, he has the vision and sensibilities we need.”
ACCESS & AFFORDABILITY
In March 2018, the Board of Visitors approved a $3 million investment from the Strategic Investment Fund to expand the University Achievement Awards and Blue Ridge Scholars programs at the request of the Deans Working Group.

University Achievement Awards are scholarships for Virginia residents who have demonstrated academic merit, leadership and outstanding citizenship while overcoming challenging circumstances. Recipients include students who are the first in their families to go to college, members of underrepresented minority groups, students from moderate-income families and students from rural and inner city communities. The awards cover tuition and all required fees.

The Blue Ridge Scholars program supports undergraduate students who have demonstrated outstanding academic accomplishment and high financial need. Board of Visitors member and alumnus John Griffin established the program with a $4 million challenge grant in 2014.

Both programs reduce the amount that students borrow, offering grants instead.
Approved by the Board of Visitors in January 2017, Cornerstone Grants began providing cost-of-attendance relief to qualifying middle-income, full-time University of Virginia undergraduates in the fall of 2017. In 2017-18, qualifying first- and second-year students from families with income below $125,000 who did not receive other grants or scholarships to cover their expenses were eligible to receive up to $2,000. One hundred sixteen first- and second-year students received $181,700 in Cornerstone Grants in 2017-18.

Qualifying third-year students from families with income below $125,000 who did not receive other grants or scholarships to cover their expenses were eligible to receive up to $1,000 in 2017-18. Thirty-four third- and fourth-year students received $35,511 in Cornerstone Grants.

In future years, qualifying new and continuing in-state students with family incomes below $125,000 will be eligible for the $2,000 grant.

Funds committed in January 2017: $13,500,000
INVESTING IN AFFORDABILITY

BICENTENNIAL SCHOLARS FUND
FOR NEED- AND MERIT-BASED SCHOLARSHIPS

The largest single Strategic Investment Fund award approved by the Board of Visitors thus far is a commitment made in December 2016 to invest up to $100 million to create the Bicentennial Scholars Fund for Need- and Merit-Based Scholarships. This investment boldly demonstrates the University of Virginia’s unwavering pledge to make higher education affordable and makes a statement that access and excellence need not be mutually exclusive. The Bicentennial Scholars Fund matches philanthropic commitments designed for new endowed need- and merit-based scholarships for undergraduate students and graduate fellowships. It is a significant step toward permanently funding the University’s financial aid program.

Donors responded to this fundraising effort generously and with great enthusiasm. As of June 30, 2018, $112.4 million in philanthropic gifts were committed, accounting for the full amount of matching dollars from SIF. As gifts were received by the University, they were matched by SIF for a total investment of $212.4 million in need- and merit-based scholarships and graduate fellowships.

FUNDS COMMITTED IN DECEMBER 2016: $100,000,000
For many students, financial need is a significant barrier to academic achievement, and it’s often one they can’t surmount alone.

Carolyn Callahan, a professor in the Curry School of Education, experienced this firsthand. “I had scholarships both as an undergraduate and graduate student,” she said. “I would not have been able to go to school without those. My family was very poor.”

Callahan’s spouse, retired Curry professor Michael Caldwell, was also supported by fellowships as a graduate student. The couple are among many donors who responded enthusiastically to the establishment of the Bicentennial Scholars Fund by making a generous gift.

When drafting the proposal to create the matching fund, Vice President for Advancement Mark Luellen projected the University could raise between $15 million and $20 million per year from philanthropy, expending the matching funds in about five years.

Instead, in both signed and verbal commitments, the University raised $112.4 million in gifts for Bicentennial scholarships and fellowships, exhausting the matching commitments in under two years. The University match for these gifts was $100 million, bringing the total investment to $212.4 million.

“The Fund did] exactly what we thought it would do and more quickly than we ever anticipated,” Luellen said. “The speed with which our donors have responded means more money going directly to support our students, and that’s what is important.”

In the case of Callahan and Caldwell’s contribution, those students will be Curry master’s and doctoral candidates focused on gifted education. The donation will continue the couple’s legacy of top-notch training for exceptional graduate students. But for Callahan and Caldwell, there’s also something special about the fact that it will support scholars who face the same challenges they themselves did many years ago.

“We both benefited from scholarship support, and for us, this is paying it forward,” Callahan said. “We had that opportunity and we just wanted other people to have that opportunity.”
# Financial Summary

**Fiscal Year Ending June 30, 2018** *(Listed below, in thousands)*

<table>
<thead>
<tr>
<th></th>
<th>FY17</th>
<th>FY18</th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Beginning Balance at 07/01/2017</strong></td>
<td>$32,469</td>
<td>$75,177</td>
<td>$93,890</td>
<td>$79,178</td>
<td>$63,717</td>
<td>$6,183</td>
<td>$350,614</td>
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<tr>
<td><strong>Investment Income</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$263,315</td>
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<tr>
<td><strong>Distributions:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Approved Grants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Near-term Debt Maturities</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Quasi-endowment Creation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative Expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(277)</td>
</tr>
<tr>
<td><strong>Ending Balance at 06/30/2018</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$2,488,044</td>
</tr>
</tbody>
</table>

**Approved Grants** *(by fiscal year (in thousands))*

- Source: University of Virginia Investment Management Company
- A significant portion of the SIF balance comes from the University’s operating reserves, including reserves for debt maturities
- Quasi-endowment created from distribution of gift, consistent with donor-specified intent
- Project-level detail on next page
## PROJECTS BY APPROVAL DATE

<table>
<thead>
<tr>
<th>SEPTEMBER 2016</th>
<th>TOTAL FUNDING COMMITTED</th>
<th>DISTRIBUTIONS IN FY2018</th>
<th>DISTRIBUTIONS THROUGH FY2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>School of Engineering and Applied Science</td>
<td>$4,810,000</td>
<td>$165,000</td>
<td>$4,728,000</td>
</tr>
<tr>
<td>LinkLab for Cyber-Physical Systems</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>College and Graduate School of Arts &amp; Sciences</td>
<td>$4,800,000</td>
<td>$1,600,000</td>
<td>$2,400,000</td>
</tr>
<tr>
<td>Doctoral Student Support</td>
<td></td>
<td></td>
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<tr>
<td>ResearchNET Research Development</td>
<td>$4,461,000</td>
<td>$1,487,000</td>
<td>$2,974,000</td>
</tr>
<tr>
<td>ResearchUVA Next Generation Technology</td>
<td>$2,952,724</td>
<td>$1,150,000</td>
<td>$1,761,000</td>
</tr>
<tr>
<td>Curry School of Education Research Faculty</td>
<td>$2,406,400</td>
<td>$1,003,000</td>
<td>$1,761,000</td>
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<tr>
<td>Darden School of Business Merit-Based Scholarships</td>
<td>$1,000,000</td>
<td>$250,000</td>
<td>$250,000</td>
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<tr>
<td>Law School Public Service Program</td>
<td>$1,000,000</td>
<td>$350,000</td>
<td>$585,000</td>
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<tr>
<td>Research Cluster Computing Support</td>
<td>$750,000</td>
<td>$250,000</td>
<td>$500,000</td>
</tr>
<tr>
<td>School of Continuing and Professional Studies Public Safety Program</td>
<td>$600,000</td>
<td>$200,000</td>
<td>$400,000</td>
</tr>
<tr>
<td>Undergraduate Student Opportunities in Academic Research (USOAR)</td>
<td>$559,500</td>
<td>$187,000</td>
<td>$374,000</td>
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<tr>
<td>Federal Work Study Research Program</td>
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</tr>
<tr>
<td>McIntire School of Commerce Global Commerce Program</td>
<td>$500,000</td>
<td>$0²</td>
<td>$500,000</td>
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<tr>
<td>Reimagining Librarianship Strategic Plan</td>
<td>$250,000</td>
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<td>$250,000</td>
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</table>

<table>
<thead>
<tr>
<th>DECEMBER 2016</th>
<th>TOTAL FUNDING COMMITTED</th>
<th>DISTRIBUTIONS IN FY2018</th>
<th>DISTRIBUTIONS THROUGH FY2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bicentennial Scholars Fund for Need- and Merit-Based Scholarships</td>
<td>$100,000,000</td>
<td>$20,000,000</td>
<td>$25,000,000</td>
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<tr>
<td>School of Medicine Precision Individualized Medicine for Diabetes</td>
<td>$16,992,531</td>
<td>$5,112,000</td>
<td>$12,015,000</td>
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<tr>
<td>School of Engineering and Applied Science Graduate Engineering Program</td>
<td>$6,400,000</td>
<td>$2,200,000</td>
<td>$2,200,000</td>
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<tr>
<td>School of Engineering and Applied Science &amp; School of Medicine Center for Advanced Biomanufacturing</td>
<td>$3,000,000</td>
<td>$500,000</td>
<td>$2,500,000</td>
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<tr>
<td>College and Graduate School of Arts &amp; Sciences Advanced Research and Learning in Social Sciences and Humanities</td>
<td>$2,000,000</td>
<td>$850,000</td>
<td>$850,000</td>
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<td>College and Graduate School of Arts &amp; Sciences Neuroscience and Energy Strategic Research Initiative</td>
<td>$521,844</td>
<td>$80,000</td>
<td>$160,000</td>
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</table>

² represents a single distribution.
<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Total Funding Committed</th>
<th>Distributions in FY2018</th>
<th>Distributions Through FY2018</th>
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</thead>
<tbody>
<tr>
<td>JANUARY 2017</td>
<td>Cornerstone Grants: Financial Aid for Qualifying In-State Students</td>
<td>$13,500,000</td>
<td>$3,000,000</td>
<td>$3,000,000</td>
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<tr>
<td></td>
<td>Increased Enrollment for In-State Undergraduate Students</td>
<td>$1,500,000</td>
<td>$500,000</td>
<td>$500,000</td>
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<tr>
<td>MARCH 2017</td>
<td>School of Engineering and Applied Science Multifunctional Materials Integration Initiative</td>
<td>$10,000,000</td>
<td>$1,355,000</td>
<td>$10,000,000</td>
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<tr>
<td>JUNE 2017</td>
<td>Bold Research Advancement in Neuroscience at UVA (BRAIN@UVA)</td>
<td>$15,710,000</td>
<td>$6,840,000</td>
<td>$6,840,000</td>
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<tr>
<td></td>
<td>College and Graduate School of Arts &amp; Sciences Democracy Initiative</td>
<td>$10,000,000</td>
<td>$0^2</td>
<td>$0^2</td>
</tr>
<tr>
<td></td>
<td>Engineering in Medicine</td>
<td>$5,000,000</td>
<td>$1,000,000</td>
<td>$1,000,000</td>
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<tr>
<td></td>
<td>UVA-Wise Innovation Ecosystem</td>
<td>$3,485,460</td>
<td>$685,000</td>
<td>$685,000</td>
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<tr>
<td></td>
<td>School of Nursing Transforming Clinical Scholarship</td>
<td>$2,244,546</td>
<td>$877,000</td>
<td>$877,000</td>
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<tr>
<td>DECEMBER 2017</td>
<td>Bicentennial Professors Fund</td>
<td>$75,000,000</td>
<td>$15,000,000</td>
<td>$15,000,000</td>
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<tr>
<td></td>
<td>Supporting Transformational Autism Research</td>
<td>$6,212,950</td>
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<td>$0^3</td>
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<tr>
<td></td>
<td>Reducing the Burden of Addictions in Virginia</td>
<td>$3,586,726</td>
<td>$1,088,000</td>
<td>$1,088,000</td>
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<tr>
<td></td>
<td>3 Cavaliers Research Seed Fund</td>
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<td>$325,000</td>
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<td></td>
<td>Behavioral Research for Society</td>
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<td>$1,183,000</td>
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<td></td>
<td>Smart Infrastructure</td>
<td>$2,036,500</td>
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<td></td>
<td>Virginia Initiative on Cosmic Origins</td>
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<td>$0^3</td>
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<td>MARCH 2018</td>
<td>Transforming Doctoral Education in Arts &amp; Sciences</td>
<td>$15,831,485</td>
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<td></td>
<td>Curry School of Education Total Graduate Fellow Support</td>
<td>$2,508,894</td>
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<td>$0^3</td>
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<tr>
<td></td>
<td>Bicentennial Professors Fund (expansion)</td>
<td>$20,000,000</td>
<td>$5,000,000</td>
<td>$5,000,000</td>
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<tr>
<td></td>
<td>Expansion of University Achievement Awards and Blue Ridge Scholars Programs</td>
<td>$3,000,000</td>
<td>$750,000</td>
<td>$750,000</td>
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<tr>
<td></td>
<td>Bridging Project</td>
<td>$1,500,000</td>
<td>$750,000</td>
<td>$750,000</td>
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</tbody>
</table>

**TOTAL FUNDING COMMITTED SINCE 2016:** $350,613,710

Projects are typically funded over a 3-year period with the timing of funding being specific to each project.

1 Distribution complete in FY17
2 Distribution requires matching philanthropic commitment
3 Distribution scheduled for FY19 based on project proposal