

**University Council Minutes**  
**April 22, 2019**  
**3:00 PM**  
**1045 Pamplin Hall**

**Present:** Dwayne Pinknely (presiding), Rosemary Blieszner, Richard Blythe, Jack Finney for Cyril Clarke, Greg Daniel, Bill Huckle for Karen DePauw, Kristen Mills for Bryan Garey, Edwin Jones for Alan Grant, Scott Midkiff, Sally Morton, April Myers, Mike Kutnak for Kelly Oaks, Kim O'Rourke, Angela Simmons for Patty Perillo, Angela Hayes for Charles Phlegar, Julia Ross, Savita Sharma for Dwight Shelton, Robert Sumichrast, Tyler Walters, Kim Akers for Lisa Wilkes, Paul Winistorfer, Rajesh Bagchi, Jonathan Bradley, Urs Buehlmann, Bob Hicok, Kimberley Homer, Kerry Redican for Mary Kasarda, Monika Lawless, John Livingston, Rajaram Bhagavathula for Virginia Pannabecker, Tammie Smith, Monty Abbas, Susan Anderson, Eric Kaufman, Bettina Koch, Lynn Abbott, Susanna Rinehart for Matthew Gabriele, Mary Marchant, Pat Donovan for Velva Groover, Lori Buchanan for Sue Teel, Kayla Winbush for Jaylen Foskey, Glenda Scales, Davon Woodard, Samantha Fried, Christie Crandall for Conrad Briles, Kase Poling for Caed Cunningham, David Case for Jacob Davis, Zo Amani, Rachel Iwicki, & Robert Sebek

**Absent:** Timothy Sands (with notice), Michael Friedlander, Guru Ghosh, Dan Harrington, Theresa Mayer, Steve McKnight, Menah Pratt-Clarke, Sherwood Wilson, Cayce Myers, David Tegarden, David Bieri, Jia-Qiang He, Yan Jiao, Chris Lawrence, Christopher, Zobel, LaTawnya Burlison, Brian Huddleston, Katrina Loan, Teresa Lyons, Erin Poff, Annette Bailey, Jeannie Layton-Dudding, John Massey (with notice), Christine Tysor (with notice), Alexis Hruby, Anurag Mantha, Sam Felber, Adil Sageer, Madilynne Tanner, & John Ferris

**Guests:** Deorah Carlier, Paul Deck, Tara Frank, Ron Fricker, Matthew Gabriele, Addison Gillis, Lindsey Gleason, Rachel Holloway, Byron Hughes, Ennis McCrery, Mike Moyer, Juan Pacheco, Ellen Plummer, Katherine Randall, Cliff Shaffer, Rick Sparks, Pam VandeVord, Kristie Verniel, Bev Watford

Dr. Dwayne Pinkney called the meeting to order at 3:00 p.m. A quorum was present.

**1. Adoption of Agenda**

A motion was made and seconded to adopt the agenda. The motion carried.

**2. Announcement of approval and posting of minutes of April 8, 2019**

Dr. Pinkney noted that these minutes have been voted on electronically and can be publicly accessed on the Governance Information System on the Web (<http://www.governance.vt.edu>).

**3. Old Business**

**Commission on Graduate Studies and Policies**

Resolution CGSP 2018-19F

Resolution to Establish a Master of Engineering Degree in Computer Science and Applications (CSA-Meng)

Dr. Rajesh Bagchi presented the resolution for second reading, and made a motion to approve. The motion was seconded, and the motion passed.

**Commission on Undergraduate Studies and Policies**

Resolution CUSP 2018-19A

Resolution to Approve New Major, Childhood Pre-Education, In Bachelor of Science in Human Development

Dr. Kerry Redican presented the resolution for second reading, and made a motion to approve. The motion was seconded. A question was raised as to why this School of Education is not involved with the degree. It

was indicated that at least one-third of the students in Human Development will go into the field of early childhood education so this degree will meet the needs of those students. A vote was taken, and the motion passed.

#### **4. New Business**

##### **Commission on Student Affairs**

Resolution CSA 2018-19C

Addition of a Statement on Sanction Enhancements for Policy Violations Motivated by Bias for the Student Code of Conduct (Changes to the Hokie Handbook [www.hokiehandbook.vt.edu](http://www.hokiehandbook.vt.edu))

Mr. John Allen Livingston presented the resolution for first reading. Mr. Livingston informed the Council that the development of this resolution started in May of 2018 with conversations Dr. Patty Perillo, Vice President for Student Affairs, had with the NAACP. This resolution adds the following new language to the Student Code of Conduct:

“Any violation of the Virginia Tech Student Code of Conduct motivated by an individual’s age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status (as stated in Virginia Tech Policy 1025) will be deemed an aggravating circumstance and will subject the student to a sanction more severe than would be imposed in the absence of such motivation. This sanction enhancement will not apply in cases in which protected classes are specifically addressed within the language of the policy, such as Gender-Based violence or Gender-Based Stalking.”

Mr. Livingston indicated that both University Legal Counsel and the Office of Equity and Accessibility were consulted regarding this change.

##### **Commission on Student Affairs**

Resolution CSA 2018-19D

Resolution to Change the Student Code of Conduct Section on Weapons (Changes to the Hokie Handbook [www.hokiehandbook.vt.edu](http://www.hokiehandbook.vt.edu))

Mr. John Allen Livingston presented the resolution for first reading. The Board of Visitors approved a change to Policy 5616 which made some changes about weapons ammunition on campus. This resolution changes the Student Code of Conduct to accurately reflect the changes made in Policy 5616 by referring to the policy instead of listing the same information as the policy.

##### **Commission on Undergraduate Studies and Policies**

Resolution CUSP 2018-19B

Resolution to Approve New Major, Humanities for Public Service, in Bachelor of Art in Religion and Culture

Dr. Kerry Redican presented the resolution for first reading. Dr. Redican introduced Dr. Matthew Gabriele to answer questions. Dr. Gabriele indicated that this new major is in response to student demand. Several students in Religion and Culture are doing work in the non-profit sector and are participating in public service. This new major formalizes training that is currently being done informally.

##### **Commission on Undergraduate Studies and Policies**

Resolution CUSP 2018-19C

Resolution to Approve New Major, Polymer Chemistry, in Bachelor of Science in Chemistry

##### **Commission on Undergraduate Studies and Policies**

Resolution CUSP 2018-19D

Resolution to Approve New Major, Medicinal Chemistry, in Bachelor of Science in Chemistry

Dr. Kerry Redican presented these two resolutions for first reading. Dr. Redican introduced Dr. Paul Deck to answer questions. Dr. Deck indicated that the new majors of Polymer Chemistry and Medicinal Chemistry were proposed after observing that the Chemistry Department is good at research, and by observing what areas of study students are interested in and what they want to do once they finish their degrees. The new Polymer Chemistry major is targeted towards careers in the area of materials, and the Medicinal Chemistry major is targeted towards careers in the area of life sciences.

### **Commission on Undergraduate Studies and Policies**

Resolution CUSP 2018-19E

Resolution to Discontinue Bachelor of Science Degree in Engineering Science and Mechanics

Dr. Kerry Redican presented the resolution for first reading. Dr. Redican introduced Dr. Bevlee Watford to answer questions. A question was raised as to where will courses go that are currently being taught in this program. Dr. Watford indicated that BEAM is a department that houses two degrees, Biomedical Engineering and Engineering Science and Mechanics (ESM). There will be faculty still in the department responsible for teaching those courses. Dr. Julie Ross read a statement on the reasons the decision was made to discontinue the ESM degree (listed below).

- Historic and ongoing low program enrollment
- Availability and growth of mechanics related programs in Mechanical Engineering and Aerospace Engineering
- There is a new Biomedical Engineering degree starting in Fall 2019 with high student interest that is offered in the same department as the ESM degree
- Planned college growth of approximately 2000 undergraduate students that will have a primary focus on Computer Science and Computer Engineering
- Mechanical Engineering and Aerospace and Ocean Engineering are operating over capacity while Engineering Science and Mechanics is operating under capacity
- There will be no loss of jobs for faculty or staff in the College of Engineering by discontinuing the ESM degree
- There is a teach out plan where this program will not be discontinued until 2023 so all students currently enrolled at Virginia Tech can continue to choose this major

Dr. Rajesh Bagchi stated that the Commission on Graduate Studies and Policies received a letter (attached) from the Engineering Mechanics Graduate Committee regarding serious reservations about the discontinuance of the ESM degree. This letter of concern was written because they feel that if the undergraduate program is discontinued it will have strong impacts and unintentional consequences on the graduate program. Dr. Bagchi has asked that the Commission on Graduate Studies and Policies (CGSP) be given time to review this resolution before a vote is taken at University Council. There is only one CGSP meeting and one University Council meeting left this semester. A question was raised as to whether the teach-out plan would change if the vote on this resolution happened in the fall of 2019. Dr. Watford indicated that if a vote was delayed then enrollment would have to be offered to the incoming freshman class, and the teach-out plan would be delayed for one or more years. Dr. Watford indicated that this was not a quick decision and there has been ample time for concerns to be raised.

Ms. Christie Crandall, a member of the Student Government Association and a senior in the ESM degree program, raised concerns with the discontinuation of this program. Several students in the program are taking masters' classes but are having difficulty finding committee members. They are also finding it challenging to get advisors whom they want to work with because they have moved to different programs. Ms. Crandall also raised a concern that the physics focus of the program is not really addressed in this resolution, which was brought out as a concern back in October 2018. A final concern that was raised by students in the ESM program is that Biomedical Engineering and Biomechanics are two very different areas of study. Dr. Ross indicated that there will be three mechanics related majors, which are Biomedical Engineering, Aerospace and Ocean Engineering, and Mechanical Engineering (closest to Biomechanics).

Dr. Pinkney suggested that concerns that have not been addressed should be discussed with Dr. Watford and or Dr. Ross prior to the next University Council meeting.

### **Commission on Undergraduate Studies and Policies**

Resolution CUSP 2018-19F

Resolution to Approve Transitional Plan to Facilitate the Change of Date of Entry Graduation Requirements

Dr. Kerry Redican presented the resolution for first reading. Dr. Redican introduced Dr. Rachel Holloway and Mr. Rick Sparks to answer any questions. This resolution stipulates all graduation requirements will be established on a student's date of entry to allow for a smoother transition for students transferring from the Virginia Community College System.

### **5. Announcement of acceptance and posting of Commission Minutes**

Dr. Pinkney noted that these minutes have been voted on electronically and will be posted on the University web (<http://www.governance.vt.edu>). Note that the purpose of including Commission minutes on the agenda is to accept them for filing. University Council By-laws require that policy items be brought forward in resolution form for University Council action.

- Commission on Equal Opportunity and Diversity  
March 4, 2019  
April 1, 2019
- Commission on Faculty Affairs  
March 22, 2019
- Commission on Graduate Studies and Policies  
March 20, 2019
- Commission on Outreach and International Affairs  
March 21, 2019
- Commission on Student Affairs  
February 28, 2019  
March 21, 2019
- Commission on Undergraduate Studies and Policies  
March 25, 2019

### **6. Presentation**

Mr. Rick Sparks, Associate Vice Provost and University Registrar, gave a presentation on the new degree/course proposal process (attached).

### **7. Presentation**

Mr. Mike Moyer, Associate Vice President of Development for Colleges, and Ms. Angela Hayes, Chief of Staff for the Vice President for Advancement, gave a campaign update presentation (attached).

### **8. Adjournment**

There being no further business, a motion was made to adjourn the meeting at 4:04 p.m.



COLLEGE OF ENGINEERING  
BIOMEDICAL ENGINEERING  
AND MECHANICS  
VIRGINIA TECH.

**Shane D. Ross, Ph.D.**  
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April 19, 2019

Rajesh Bagchi  
Chair, Commission on Graduate Studies and Policies

Dear Professor Bagchi:

The Engineering Mechanics Graduate Committee has serious reservations regarding CUSP Resolution 2018-19.E to Discontinue Bachelor of Science Degree in Engineering Science and Mechanics (BSESM), which is on the agenda for the University Council Meeting on April 22, 2019. We make the case below that *CUSP Resolution 2018-19.E may have unintended consequences for the Engineering Mechanics (EM) graduate program, and therefore should be reviewed by the Commission on Graduate Studies and Policies (CGS&P).*

Enrollment numbers for the EM graduate program are specifically mentioned in the supporting documentation under the rationale for the resolution to discontinue BSESM (further, the graduate program is erroneously referred to as the “ESM graduate” program), suggesting that according to the authors of CUSP Resolution 2018-19.E, the ESM undergraduate and EM graduate programs are inextricably linked. *This is a key reason we find it necessary to outline the effect of the discontinuation of the ESM undergraduate program on the EM graduate program*, a program which has strong appeal to domestic students<sup>a</sup> and has seen demand (as measured by applicant numbers) grow steadily, and markedly, by 25%-60% every year for the last three years—an impressively high rate of continuous demand growth, among the highest in the College of Engineering (COE). Moreover, our graduates are successful. Recent examples include the recognition of an EM doctoral student as the 2019 Outstanding Doctoral Student for the COE, and two new doctoral students receiving the prestigious NSF Graduate Research Fellowship. Our graduates contribute to many arenas of industry, government and academia. In fact, over the past decade, 1 out of every 3 of our recent 100+ doctoral students have entered faculty positions, triple the national average for engineering PhDs.

The presentation of the data on graduate enrollment and graduate degrees awarded in the supporting documentation for CUSP Resolution 2018-19.E is both erroneous and not holistic. Regarding the latter, the presentation of data fails to acknowledge the significant impact of the 2014 merger of the former ESM department with SBES<sup>b</sup> on EM graduate student recruiting, an event from which overall EM graduate enrollment numbers are only starting to recover.<sup>c</sup>

Importantly, supporting documentation for CUSP Resolution 2018-19.E fails to consider potential impacts of the ESM undergraduate discontinuation on future EM graduate enrollments, as outlined below.

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<sup>a</sup> Over two-thirds of our recent incoming graduate student cohorts have been domestic students.

<sup>b</sup> Virginia Tech-Wake Forest University School of Biomedical Engineering and Sciences (SBES).

<sup>c</sup> Fall 2019 is our first year of total EM graduate enrollment growth since the merger, with our largest incoming cohort.

1. The ESM undergraduates have been a significant pipeline into the EM graduate program, primarily through the accelerated ESM UG/G program (“5 year masters”) through which we recruit, on average, about 25% of our incoming EM graduate students, as shown in the following table.

<b>Year</b>	<b>Entering ESM UG/G</b>	<b>Total Entering EM GS</b>	<b>Entering UG/G as % of total</b>
<i>Fall 2014</i>	5	11	45%
<i>Fall 2015</i>	4	14	29%
<i>Fall 2016</i>	2	21	10%
<i>Fall 2017</i>	5	14	36%
<i>Fall 2018</i>	2	15	13%
<i>Fall 2019</i>	5	22	23%

2. The EM graduate program uses GTAs provided by the COE as part of the funding offers for graduate student recruiting, primarily doctoral students. Currently, the EM program receives 16 GTAs from the COE, which provide funding for about 20% of our enrolled students. The COE provides these GTAs in proportion to ESM student credit hours (SCHs). With the discontinuation of the ESM undergraduate program, ESM SCHs will decrease, leading to fewer GTAs, making it more difficult to make competitive multi-year funding offers to attract the best applicants.

3. Since its first announcement in September 2018, the ongoing process of discussing discontinuation of the ESM undergraduate program has resulted in faculty leaving the BEAM Department. The number of BEAM tenured and tenure-track faculty generalized as ESM faculty were, according to the COE Dean, 17 at the beginning of Fall 2018. That number fell to 14 at the beginning of Spring 2019, and could be lower beginning Fall 2019 (as low as roughly 10). A dwindling number of ESM faculty will make it increasingly difficult to staff EM graduate courses, which our growing enrollment numbers require.

4. If the trends cited above continue, the numbers of EM graduate students enrolled would, despite recent growth, likely fall, further exacerbating the trends of lower graduate student and faculty numbers. Within a few years, the numbers of EM graduate students could be so low—and with few faculty capable of teaching the EM graduate courses—that an argument might be made to end the program. *Though this is not the intention of CUSP Resolution 2018-19.E, it could be the result.* Given that a major rationale for the discontinuation of the ESM undergraduate program was falling enrollment numbers, it is reasonable to assume that a similar argument might be made for the EM graduate program.

Therefore, we request that CUSP Resolution 2018-19.E be reviewed by the CGS&P, and measures be put in place to preserve the vitality of BEAM’s EM graduate program, a program which supports the missions of the BEAM Department, the College of Engineering, the Graduate School, and the University.

On behalf of the Engineering Mechanics Graduate Committee, Nicole Abaid, Scott Case, Mark Cramer, Shane Ross, and Jake Socha (all tenured and tenure-track faculty in BEAM),

Respectfully,



Shane D. Ross  
Professor and Chair, Engineering Mechanics Graduate Committee  
Department of Biomedical Engineering and Mechanics (BEAM)

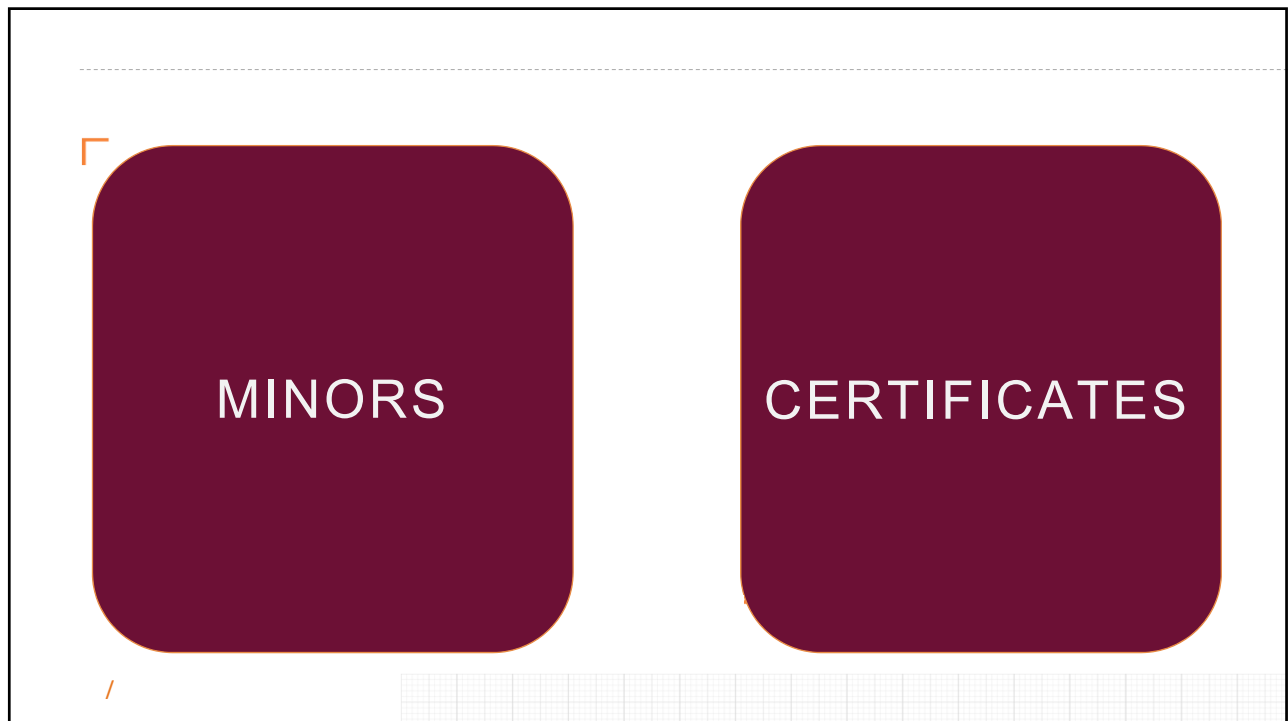
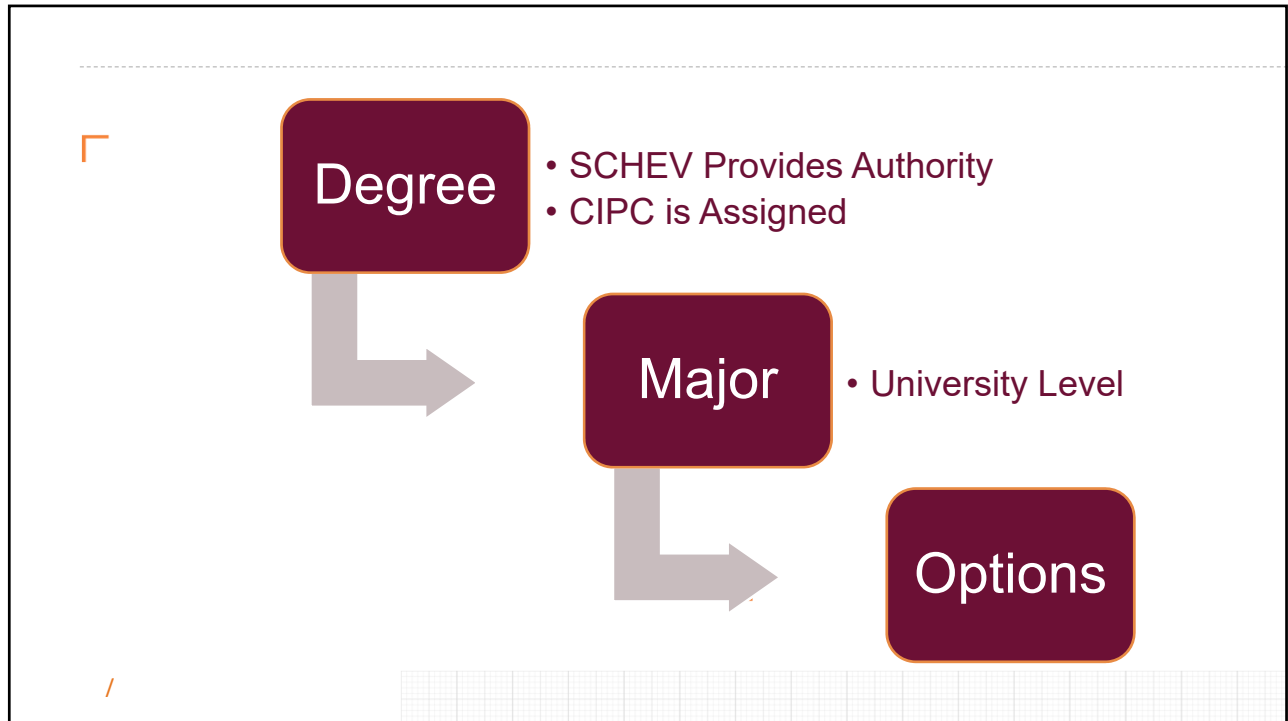
VIRGINIA TECH. Program and Course Proposals

RICK A. SPARKS JR. - UNIVERSITY REGISTRAR

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PROGRAM LEVEL

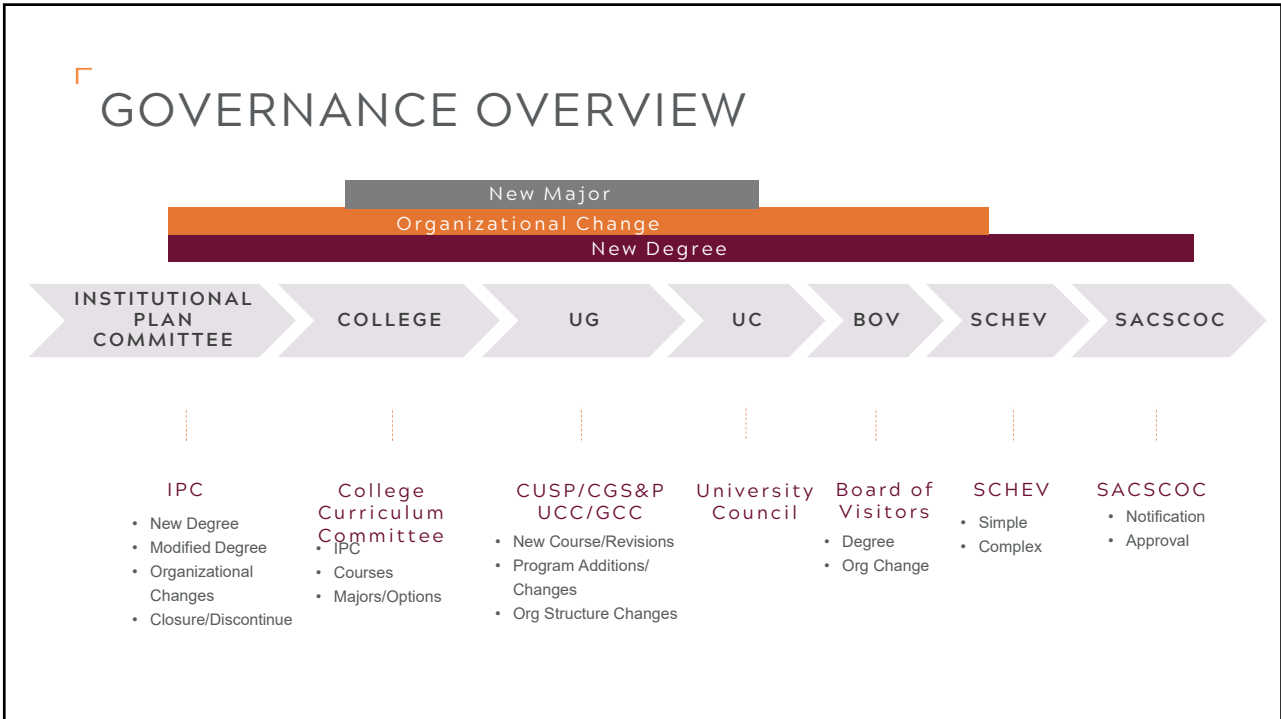
VIRGINIA TECH.





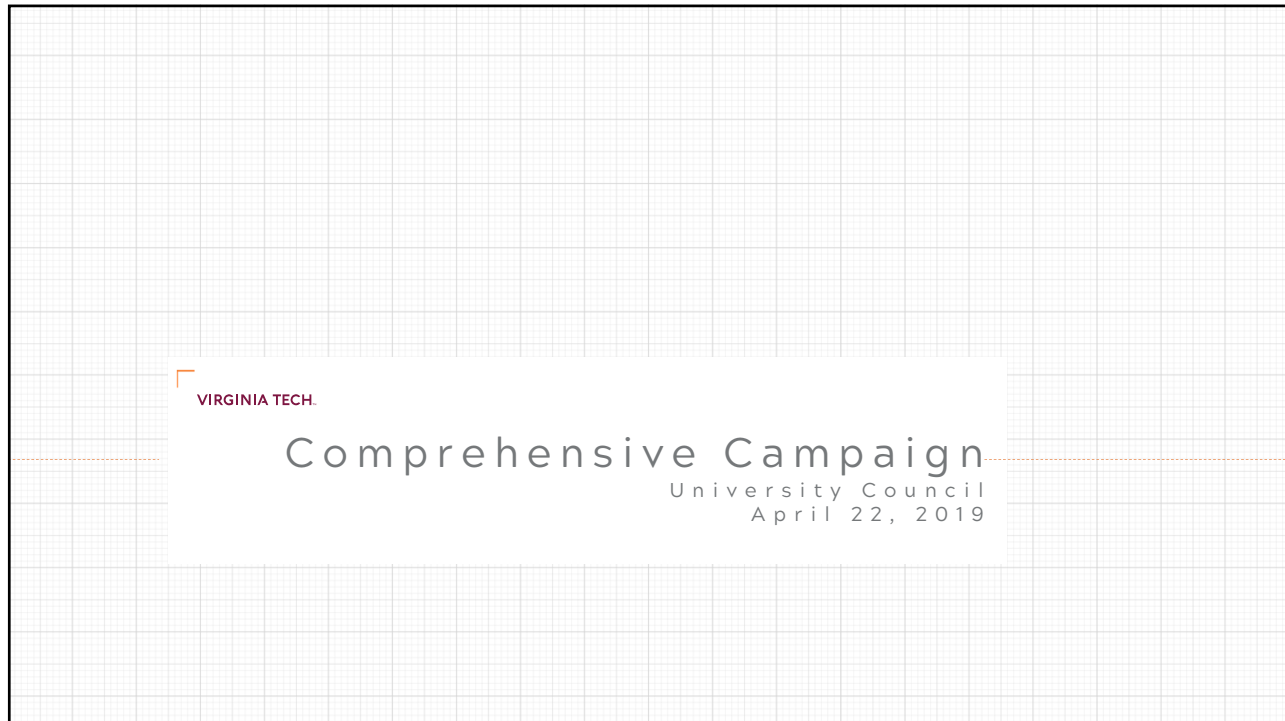
# ACADEMIC GOVERNANCE

VIRGINIA TECH.





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QUESTIONS?



### Why have a Campaign

- Organizes university constituencies' work with advancement
- Helps set academic ambitions at all levels
- Gives platform to inspire alumni to larger gifts
- Goals promote engagement of entire alumni population

## Campaign Life Cycle



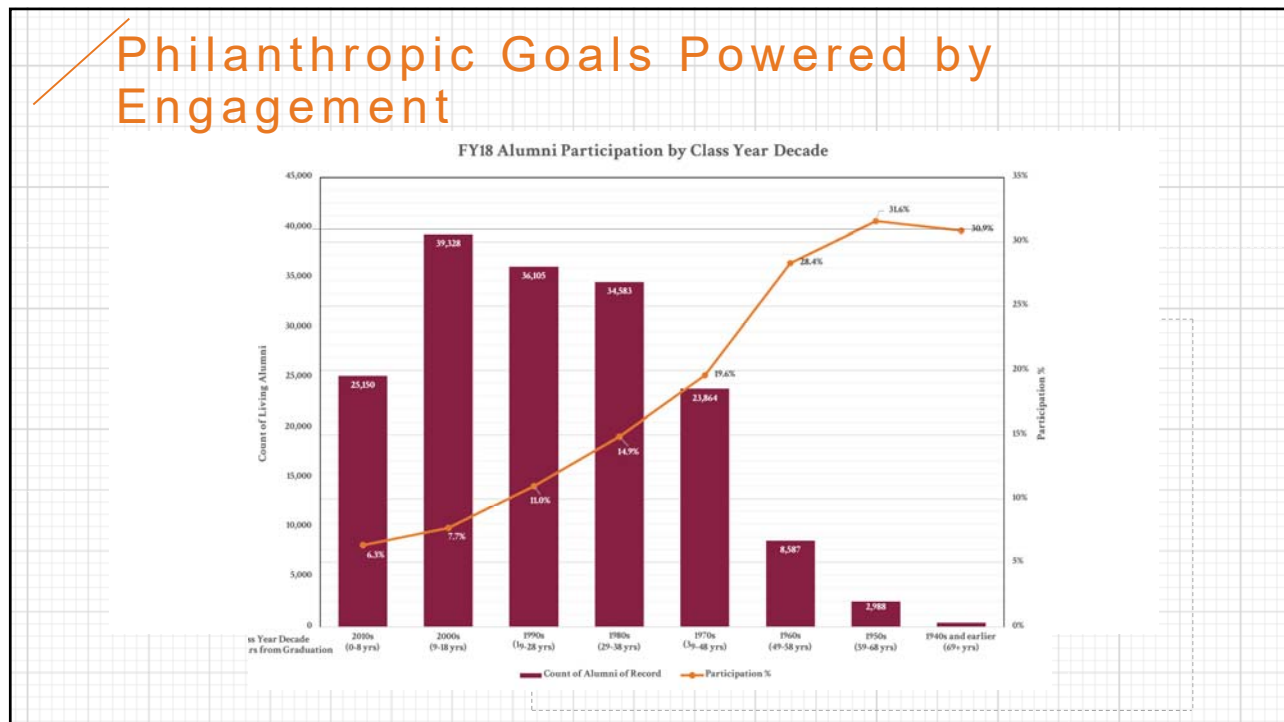
Campaign Goals

- \$1,500,000,000 - \$2,000,000,000
- Engagement Goal

## College and Unit Philanthropic Goals

Athletics	\$ 440,000,000	23%	CORPS	\$ 50,000,000	3%
Engineering	\$ 310,000,000	17%	WVTF	\$ 30,000,000	1.5%
Fralin Biomed Rsrch	\$ 200,000,000	10%	Student Affairs	\$ 30,000,000	1.5%
University Priorities	\$ 170,000,000	9%	School of Medicine	\$ 20,000,000	1%
Business	\$ 105,000,000	6%	Natural Resources	\$ 20,000,000	1%
Science	\$ 90,000,000	5%	ARTS	\$ 10,000,000	0.5%
Agriculture	\$ 90,000,000	5%	4H	\$ 10,000,000	0.5%
Lib. Arts/Human Sci.	\$ 85,000,000	5%	Libraries	\$ 7,000,000	0.4%
Honors	\$ 75,000,000	4%	Graduate School	\$ 5,500,000	0.3%
Architecture	\$ 60,000,000	3%	Inclusion & Diversity	\$ 5,500,000	0.3%
Vet Med	\$ 59,000,000	3%	Innovation Campus	\$ TBD	

## Philanthropic Goals Powered by Engagement



## Engagement Metrics

- Volunteer Engagement
- Experiential Engagement
- Philanthropic Engagement

## Volunteer Leadership



## Key Volunteer Boards & Committees

- Campaign Steering Committee
- Board of Visitors
- VT Foundation Board of Directors
- VTF Advancement Committee
- VT Alumni Association Board of Directors
- VT Athletic Fund Board of Directors
- 1872 Society Board
- CALS Dean's Advisory Board
- CAUS Advisory Council
- Myers- Lawson School of Construction Industry Board
- College of Engineering Advisory Board
- Engineering Committee of 100
- EMC Advisory Council
- Vet Med Advisory Council
- Fralin Biomedical Research Institute Advisory Board
- LAHS Alumni Advisory Board
- LAHS Dean's Roundtable
- CNRE Dean's Advisory Council
- College of Science Roundtable
- VTCC Alumni Board
- Highly Tightly Alumni Board
- University Honors Advisory Council
- Multicultural Alumni Advisory Council
- Moss Arts Partners
- Pamplin Advisory Council
- Library Dean's Advisory Board
- Student Affairs Alumni Advisory Board
- Student Affairs Parent Council
- Student Affairs Young Alumni Board
- Smith Mountain Lake 4-H Board
- VTCSOM Advisory Council

# Campaign Steering Committee

Tri-Chairs

- Lynne Doughtie
- Horacio Valeiras
- Morgan Blackwood Patel

Members

<ul style="list-style-type: none"><li>▪ Pat Caldwell</li><li>▪ Dave Calhoun</li><li>▪ Kevin Crofton</li><li>▪ André Davis</li><li>▪ Sandy Davis (VTF – Chair)</li><li>▪ Justin Graves</li><li>▪ Greg Herrema</li><li>▪ Steve Johnson</li><li>▪ Lisa Karlisch</li><li>▪ Ted King</li><li>▪ Mark Lawrence (VTAA)</li></ul>	<ul style="list-style-type: none"><li>▪ John Lawson</li><li>▪ Liz Lazor</li><li>▪ Floyd Merryman</li><li>▪ Robby Moser</li><li>▪ Quinton Nottingham</li><li>▪ J. Pearson</li><li>▪ Brandon Perry (VTF-Adv)</li><li>▪ Mike Quillen</li><li>▪ John Rocovich</li><li>▪ Fay Street</li><li>▪ Dennis Treacy (BOV)</li></ul>
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## Campaign Priorities

- Faculty
- Students
- Capital
- Program



┌ Campaign Themes  
NOT FINALIZED

- Greater Washington DC Metro Area
- Inclusion and Diversity
- Roanoke – Academic Health Center
- Blacksburg Global Business Analytics Complex

┌ Position Papers

- Ambition
- Story Telling
- Builds Case Statements
- Timeline

┌ End Result

- Informed
- Engaged
- Giving

┌ Campaign Kick-Off Weekend  
October 10 – 12, 2019

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Questions?

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