REPORT OF THE JUNE 3, 2018, INFORMATION SESSION

An information session (open session) for the Board of Visitors was held on Sunday, June 3, 2018, from 1:30 to 3:30 p.m. in Room 170 of the Classroom Building at Virginia Tech. There were no action items, and there was no public comment period. The agenda included:

- Tour of the Classroom Building and Integrated Security Education Research Center (ISERC) within by Dr. Ken Smith, Vice Provost for Academic Resource Management, and Dr. David Raymond, Deputy Director of the Information Technology Security Office.
- Presentation on Industry Partnerships and Technology Transfer, Dr. Theresa Mayer, Vice President for Research and Innovation.
- Briefing on the Strategic Plan by Dr. Menah Pratt-Clarke, Vice President of Strategic Affairs and Vice Provost for Inclusion and Diversity.
- Presentation on InclusiveVT May 3 Town Hall meeting by Dr. Menah Pratt-Clarke, Vice President of Strategic Affairs and Vice Provost for Inclusion and Diversity.
- Presentation on Increasing Diversity in Science: Concrete Steps by Dr. Sally Morton, Dean of the College of Science
- Presentation on the Promotion and Tenure Process by Dr. Jack Finney, Vice Provost for Faculty Affairs.
- Constituent Reports
- Update on budget passed by the General Assembly in special session by Mr. Dwight Shelton, Interim Senior Vice President for Operations and Administration.
- Review of the Annual Cycle of BOV Agenda Items by Rector Dennis Treacy.

(Copies of the presentations are filed with the permanent minutes and attached.)

Virginia Tech Board of Visitors Meeting

Information Session

Sunday, June 3, 2018 1:30 - 3:30 p.m. The Classroom Building, Room 170 Virginia Tech Campus

Tour of Classroom Building and Integrated Security Education and Research Center (ISERC)

- Dr. Ken Smith, Vice Provost, Academic Resource Management
- Dr. Kira Gantt, Associate Director of Education and Outreach, Hume Center for Security and Technology

Industry Partnerships and Technology Transfer

• Dr. Theresa Mayer, Vice President for Research and Innovation

Strategic Planning Update

 Dr. Menah Pratt-Clarke, Vice President for Strategic Affairs & Vice Provost for Inclusion and Diversity

InclusiveVT

Summary of May 3 Town Hall Meeting

 Dr. Menah Pratt-Clarke, Vice President of Strategic Affairs & Vice Provost for Inclusion and Diversity

Increasing Diversity in Science: Concrete Steps

• Dr. Sally Morton, Dean, College of Science

The Promotion and Tenure Process

• Dr. Jack Finney, Vice Provost for Faculty Affairs

Constituent Reports

- Mr. Seyi Olusina, Undergraduate Student Representative to the Board
- Mr. Brett Netto, Graduate Student Representative to the Board
- Mr. Robert Sebek, Staff Representative to the Board
- Dr. Hans Robinson, Faculty Representative to the Board

Annual Cycle of BOV Agenda Items

Mr. Dennis Treacy, BOV Rector



https://vtnews.vt.edu/articles/2018/03/fog-harp-increases-water-collection-capacity.html



Discovery





& Philanthropic Gifts



LOCKHEED MARTIN







... to Market Discovery MacArthur Foundation **Tech**nology Commercialization SCHMIDT FAMILY FOUNDATION Blackstone **Altria Sponsored Programs** & Philanthropic Gifts United Technologies

Intellectual Property

University owns all rights on IP discovered under government-funded research

University IP is licensed to:

- Established companies
- University start-up ventures

The terms of the licensing deal include royalty fees and/or equity stakes

Royalty Streams

A percentage of gross or net revenues derived from the use of an asset or a fixed price per unit sold of an item

Equity Streams

A share of the (future) profits on sale of a new venture





Discovery

... to Market



Intellectual Property

For industry-funded programs, the parties generally agree to the rights of any future IP created before the program begins.

Licensing terms typically consider the industry investment in the research:

- Non-exclusive or exclusive
- Royalty or non-royalty bearing
- Restricted field of use or all fields of use

Generally limits the licensing revenue to the university and inventors, and restricts the use of the IP in new ventures.





Federal and industry-supported research at Virginia Tech

FY16 Federal Expenditure Rank – 61st

FY16 Industry Expenditure Rank – 28th

Total	Federal		Total	Federal	To	otal	Industry		Total	Industry
1	1	Johns Hopkins U.a	2,431,180	2,104,653	1	10	1	Duke U.	1,055,778	232,793
5	2	U. Washington, Seattle	1,277,679	946,787	7	75	2	SUNY, Polytechnic Institute	316,680	167,935
2	3	U. Michigan, Ann Arbor	1,436,448	786,749	1	14	3	MIT	946,159	159,451
9	4	Stanford U.	1,066,269	694,693	2	22	4	Ohio State U.	818,464	127,731
3	5	U. Pennsylvania	1,296,429	655,791	<u> </u>	3	5	U. Pennsylvania	1,296,429	116,812
63	50	U. Utah	350,212	233,652	1	13	20	Cornell U.	974,199	50,096
72	51	Oregon Health U.	331,524	232,688	4	42	21	U. Alabama, Birmingham	537,825	50,040
71	52	Colorado State U.	331,862	232,108	3	37	22	Purdue U., West Lafayette	606,302	47,810
52	53	U. Cincinnati	430,579	231,817	4	40	23	Mt. Sinai Medical	540,296	47,474
37	54	Purdue U., West Lafayette	606,302	229,093	2	25	24	Ga Tech	790,706	46,477
46	55	U. South Florida, Tampa	505,965	228,365	2	27	25	U. California, Davis	741,892	46,166
45	56	Indiana U., Bloomington	508,766	221,801	1	16	26	Texas A&M	892,718	44,707
44	57	Arizona State U.	518,239	212,396	. !	5	27	U. Washington, Seattle	1,277,679	43,396
56	58	U. Virginia, Charlottesville	397,458	210,980	4	43	28	Virginia Tech	521,773	40,349
58	59	U. Maryland, Baltimore	393,876	205,988	3	33	29	U. Illinois, Urbana-Champaign	625,180	39,355
47	60	North Carolina State U.	489,918	202,336	2	24	30	U. Florida	791,294	39,263
43	61	Virginia Tech	521,773	195,859	2	29	31	Northwestern U.	713,491	38,306
62	62	U. Miami	358,441	195,328	5	50	32	U. Colorado Denver	443,705	36,608
74	63	Carnegie Mellon U.	319,168	190,620	3	30	33	U. Southern California	702,866	34,800
77	64	U. Hawaii, Manoa	304,476	190,336	3	31	34	Vanderbilt U.	640,842	34,392
78	65	Albert Einstein C. of Medicine	300,909	188,521	3	35	35	Emory U.	614,527	34,223



Discovery to Market – a platform for engagement and growth



DISCOVERY TO MARKET

LINK Center for Advancing Industry Partnerships

- Holistic approach to industry engagement
- Relationship management
- Sponsored programs business terms
- Philanthropic giving
- Strategic concept and proposal development
- Faculty engagement, education, culture
- Patentability assessments and whitespace analysis
- Patent filings, prosecution, maintenance
- Agreement administration and management
- Accounting and fund distribution

Intellectual Property Management

within a VT affiliated corporation

Responsibilities



LINK – the essentials

 Founded in Summer 2017 as a Presidential Priority

Partnership between Research,
 Advancement, Colleges, Institutes

 Replaced Corporate and Foundation Relations and selected staff in Research and Innovation

 Recruited Executive Director, Dr. Brandy Salmon, with 20+ years of business development and innovation management experience

 Center has been staffed with Director, two Associate Directors, and two Project Coordinators

 Key operations are underway and team is supporting full range of industry engagement activities



Industry partnership highlights at Virginia Tech









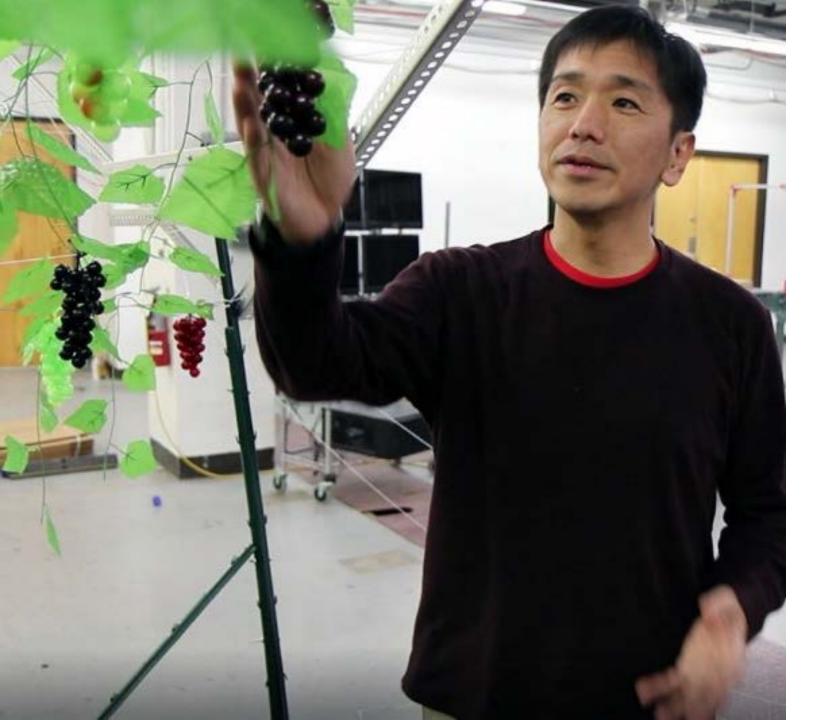




As member of selected group of universities, Virginia Tech excels as a Ford Alliance Partner, continuing to win numerous sponsored research programs as part of competitive award process.







One of the largest companies producing farm equipment globally, Mahindra Group, joins the Virginia Tech Corporate Research Center to become its largest internationally headquartered tenant and begins comprehensive sponsored research partnership with Virginia Tech.







Block.one donated \$3M to support a new curricula to enhance blockchain programming skills. The first step in what we hope will be a comprehensive partnership and platform for blockchain education and research.

block.one





Qualcomm maintains its support for Think-a-bit Labs, which has touched ~5000 students and teachers, primarily from underserved and underrepresented communities in the D.C. area since its inception in 2016. The Labs are a model for pathway programs supported through industry-university partnership.

Qualcomm



Tech Transfer is important to Virginia Tech

Faculty and student recruitment and retention

Value creation and knowledge dissemination

Entrepreneurial initiatives and culture

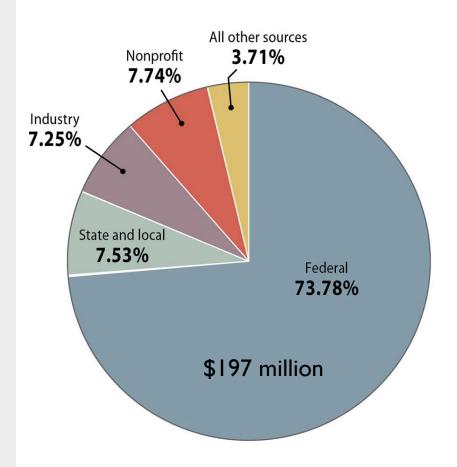
Bayh-Dole Act to protect and promote IP created with federal funding

Economic development and public good

Commitments to the community and the Commonwealth



Bayh-Dole Act requires universities that accept federal dollars to provide technology transfer support



Perhaps the most inspired piece of legislation to be enacted in America over the past half-century." - Economist, 2002

Non-profits including Universities

- Elect to retain title to innovations developed under federally funded research
- Promote use of inventions
- File patents on inventions they intend to own
- Give licensing preferences to small business

Federal Government

- Retains non-exclusive license to practice
- Retains march-in rights



Virginia Tech is committed to supporting economic development and impact in the Commonwealth and beyond

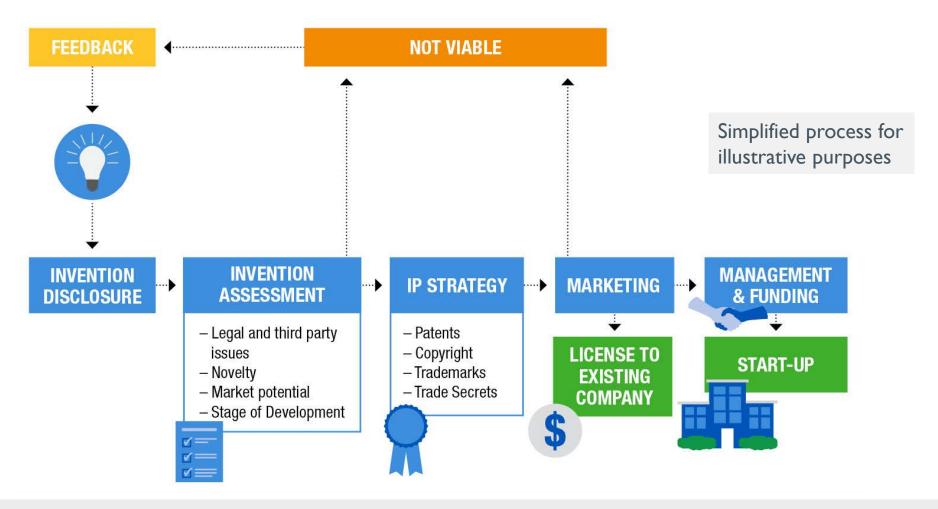
One of the things that is important to me and to Tim Sands is we don't want VTC to be the end game. We are the catalyst for innovation, entrepreneurism and economic growth for this region. That's where we see the end game as more a continued growth and change, and real excitement to grow the economy."

-- Carilion CEO Nancy Agee, Roanoke Times, October 2017



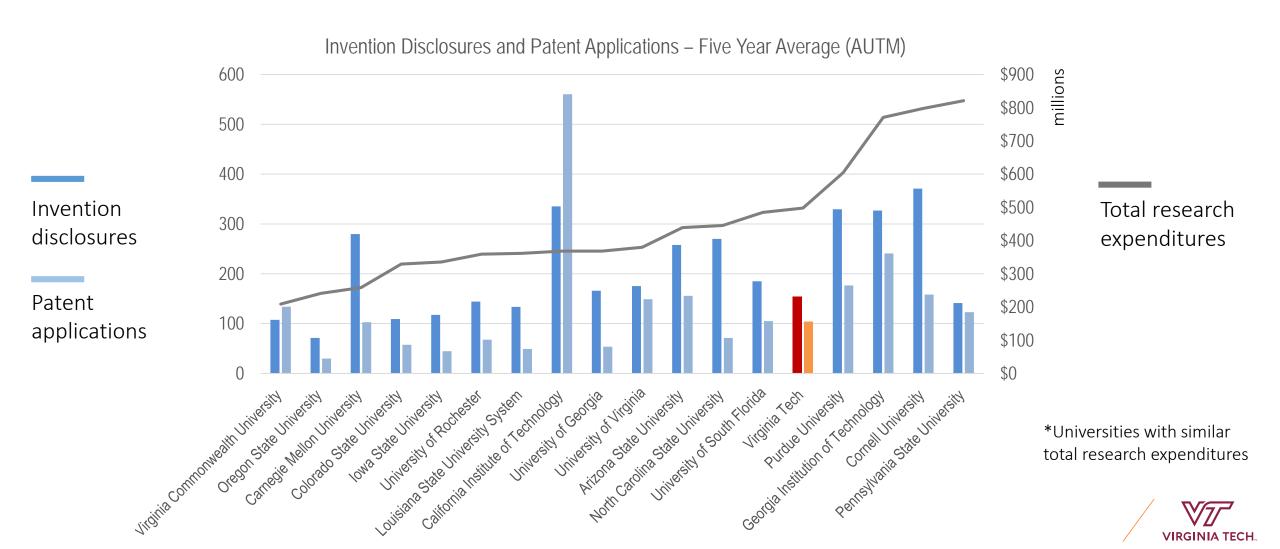


An effective and efficient intellectual property and marketing strategy is essential for successful technology commercialization efforts

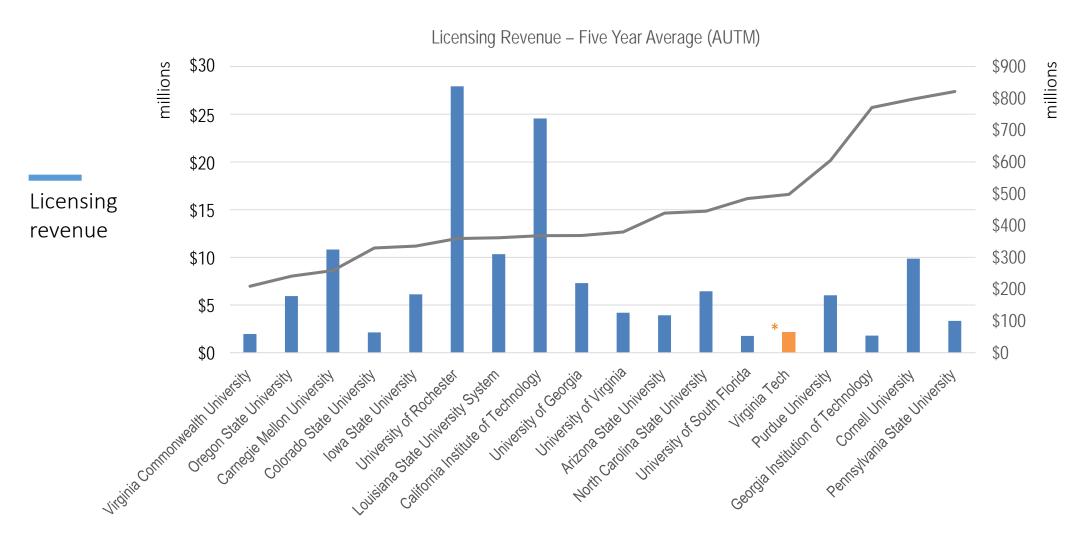




Virginia Tech's disclosure of technologies and patent applications relative to others illustrates the pipeline



Virginia Tech's licensing revenue provides one measure of value creation



Total research expenditures

Licensing Revenue

Northwestern = \$200M

Princeton = \$135M

UC System = \$130M

UT System = \$88M

MIT = \$70M

Stanford = \$45M



Virginia Tech's portfolio of non-agriculture agreements illustrate prior decisions and trade-offs

Non Agriculture

192

Total active agreements

65%

Percent that are royalty-free

~60

Total number of agreements with any chance of royalty

griculture

100% ~20% Total active agreements

Percent with chance of royalty

Percent of royalties from seed-related agreements available to support IP management



Industry Affiliate Programs offer pre-competitive research and technology development to industry partners



































80+ Industry Members

form the CPES Industry Affiliate Program with annual membership dues between \$25K - \$50K

- Established in 1998 as an NSF-funded Engineering Research Center, the Center for Power Electronics Systems (CPES) is now a Virginia Tech Industry Affiliate Program
- 80+ members pay dues in exchange for nonexclusive royalty free licenses to IP, which is supported by membership dues
- The large patent estate (50+ awarded patents) includes technologies that can be found in virtually every mobile device and many other notable inventions



The seed-related agriculture portfolio illustrates (a) impacts of decisions on future investment and (b) areas of strength

Agriculture

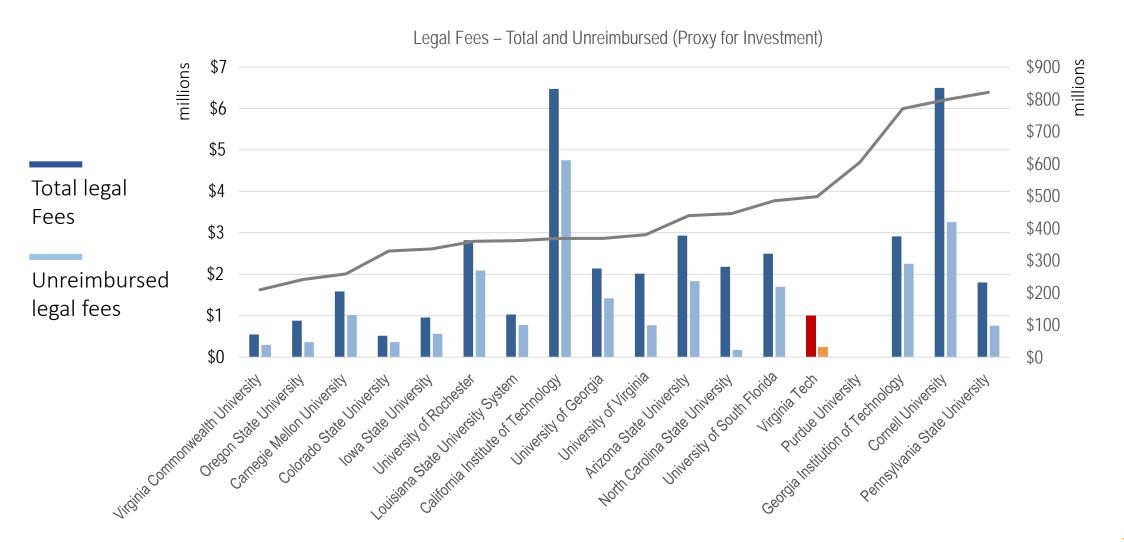
Total active agreements

Percent with chance of royalty

Percent of royalties from seed-related agreements are returned to support the small grain cood program. the small grain seed program; not available to support IP management



Unreimbursed legal fees serve as a proxy for investment



Total research expenditures



Responsibilities

Discovery to Market – a platform for engagement and growth



DISCOVERY TO MARKET

LINK Center for Advancing Industry Partnerships

- Holistic approach to industry engagement
- Relationships with industry contacts
- Sponsored program business terms
- Philanthropic giving
- Strategic concept and proposal development
- Faculty engagement, education, culture

LAUNCH Center for New Ventures

- Support for entrepreneurs and start-ups
- Relationships with angel and venture investors
- Proof-of-Concept grant (with VRIC)
- Entrepreneur-in-Residence (EIR) program
- Alumni and community engagement
- Technology showcases and marketing
- Patentability assessments and whitespace analysis
- Patent filings, prosecution, maintenance
- Agreement administration and management
- Accounting and fund distribution

Intellectual Property Management

within a VT affiliated corporation



Ongoing efforts are driving enhancements to technology transfer and commercialization at Virginia Tech

- 1 Integrate tech transfer function with other Virginia Tech teams, including industry partnerships, new ventures, sponsored programs, colleges, and institutes.
- 2 Create an affiliation agreement and funding model that aligns with university goals.
- Move beyond risk averse culture focused on administrative functions and process to one that values innovation and growth.
- Refocus away from late-stage agreement management to proactive identification of market needs, partners, applications, and engagement.
 - Identify funding to support technology commercialization efforts and start-ups.



Strategic Planning Update

Menah Pratt-Clarke
Vice President for Strategic Affairs

Strategic Planning Process Update June 2018



Office for Strategic Affairs

The Big Picture:

Developing the Process and Framework

- Information gathering and collaboration.
 - ➤ January April 2018 Retreats, committee meetings, collaboration with university units.
- Develop mission, vision, core values and objectives.
 - March 2018 Draft mission, vision, core values and objectives, develop communication strategy, workgroups and university presentations to subcommittees.
- Campus engagement and communication.
 - April and May 2018 Engage and inform campus of the strategic planning process.



Committee Presentations and Discussions (January to May)



Metrics In Academia

(Ron Fricker)

HUME (Charles Clancy) Rankings and Metrics Indicators
(James Harder, Mallory Miller)

Destination Areas
(Marcia Davitt)

Research (Theresa Mayer)

Biocomplexity Institute (Chris Barrett)

Virginia Tech
Transportation Institute
(Tim Dingus)

PIBB (Jeff Earley)

Financial Resource
Metrics
(Savita Sharma)

Academic Affairs Metrics (Ken Smith)

FRALIN (Dennis Dean)



Assessment and SACS
Accreditation
(Jaime Williams, Bethany Bodo)

Institute for Critical Technology and Applied Science (Stefan Duma)

Institute for Society Culture and Environment
(Karen Roberto)

Institutional Research (Roxanne Gile, Abhay Joshi)

Institute for Creativity Arts and Technology
(Ben Knapp)

Auxiliary Budget
Process
(Tim Hodge)





Campus Engagement Activities

April thru May 2018

Commission on Administrative and **Professional Faculty** Affairs

Alumni

Commission On Staff Polices and Affairs

Commission on Research

Commission on **Faculty Affairs**

NCR Senior Management Team

> NCR Academic Faculty and Program **Directors**

Department Heads Executive

Commission on Student Affairs Committee

Graduate Student **Affairs**

Student Government Association

University Council

Town Halls

Faculty Senate

Staff Senate

Commission on Outreach and

International Affairs

Commission on Undergraduate Studies and Policies

Commission on University Support

Commission on Graduate Studies and **Policies**

President's Council Meeting



Division of

Council of College Deans

Commission on Equal Opportunity and Diversity

VTCRI (Roanoke)



Draft Vision

An inspirational and aspirational statement of what we want to become



Virginia Tech positively
transforms lives and communities
and inspires the world in the spirit
of its motto, *Ut Prosim*(That I May Serve).



Draft Mission

How the vision will be achieved



As a comprehensive global public land grant university, Virginia Tech positively transforms lives and communities in the spirit of its motto, Ut Prosim, by creating, conveying, and applying knowledge, technology, and experiences within the Commonwealth of Virginia and throughout the world.





Draft Strategic Objectives

The key principles that support the vision and mission

I and Grant Experience

hing and learning, research and discovery, areas of the Commonwealth of Virginia, the

nation through economic development, ication, and lifelong learning opportunities.

on, discovery, innovation, and the creative Commonwealth of Virginia, the nation, and the





Draft Strategic Objectives

The key principles that support the vision and mission

Ctudant Cuasass

e teaching and learning and holistic o-curricular experiences, to be aged, and equipped to be of service

, innovative, and collaborative

ize the talents and influence of







Draft Strategic Objectives

The key principles that support the vision and mission

Financial Sustainability

Identify and manage new, diverse, and susta versatile and robust financial management m

Campus of the Future

Create and sustain an infrastructure (physica that provides dynamic learning and discovery through a technology-enhanced, data-enable network of campuses.

Continuous Planning and Assessment

Integrate continuous planning, evaluation, ar organizational capacity for agile, flexible, and operational effectiveness.





Draft Core Values

The foundation for the vision, mission, and strategic objectives

cores our commitment to service ms.

S.

diverse ideas, peoples, and of individuals in order to contribute orld's communities.

able educational opportunities for stent with its land-grant mission.





Draft Core Values

The foundation for the vision, mission, and strategic objectives

Collaboration.

We value collaboration and the collec approaches and perspectives to addr

Mutual Respect and Open Express

We support and promote open express respect.

Ethics and Integrity.

We expect the university and its mem standards of integrity and ethical behindersionally.





Draft Core Values

The foundation for the vision, mission, and strategic objectives

Lifelong Learning.

We value lifelong learning and inquiry for personal growth and to promote the to enhance society.

Discovery and Innovation.

We value research, innovation, and the

Freedom of Inquiry and Academic

We value freedom of inquiry and an excellence.

Continuous Evaluation.

We value continuous evaluation and i and institutional objectives.





Summer Work Plan

 Refine and revise vision, missions, values, and objectives

- Develop white paper on metrics and rankings
- Begin to identify high-level goals for strategic objectives





Questions





Virginia Tech

BOV Update from May 3, 2018 Town Hall on Diversity

Tim Sands, President

Menah Pratt-Clarke,

Vice President for Strategic Affairs Vice Provost for Inclusion and Diversity



Inclusion and Diversity at Virginia Tech

Where we've been, Where we're going, How we're making a difference



The national conversation on diversity



















Inclusive VT: Institutional and individual commitment to *Ut Prosim* in the spirit of community, diversity, and excellence. (May, 2016)

Diversity Strategic Goals:

- Institutionalizing structures that promote sustainable transformation
- Increasing faculty, staff, and student diversity
- Ensuring a welcoming, affirming, safe, and accessible campus climate
- Preparing students for service through an understanding of issues of identity, the human condition, and life chances.



Impact Overviews

Institutionalizing structures that promote sustainable transformation



InclusiveVT Framework

President's InclusiveVT Executive Council

- Defines vision
- Sets goals for inclusion & diversity

Office for Inclusion & Diversity

- Builds capacity
- Facilitates execution of vision and mission

Deans, VPsProvides unit leadership

InclusiveVT
Representatives
Builds
community

Advance
InclusiveVT
Advises on
faculty
recruitment &
retention

Diversity CommitteesPlans programs

CEOD,
Caucuses,
Community and
Cultural
Centers
& Alliances

Cross-cutting advocacy



Attachment U

Accelerating Diversity Outcomes

16
Sr. Mgmt.
Areas

Vice Provost Areas 40
Academic depts.



Compositional Diversity

Increasing faculty, staff, and student diversity



Project 2022

Fall 2022 25% URM 40% URM/USS

Fall 2017

13% URM 30% URM/USS

- Fall census of entering undergraduate class, including first-year and transfer students
- URM = UnderRepresented Minority
- USS = UnderServed Students (First-generation & Pell)
- · URM/USS not double-counted



New Leadership (2017)

Increase in underrepresented and underserved applications

Admissions restructuring, non-cognitive factors, pipeline programs, life experiences, leadership, overcoming obstacles



Luisa Havens, Vice Provost



Juan Espinoza, Associate VP



Alphonso Garrett, Director, Diversity



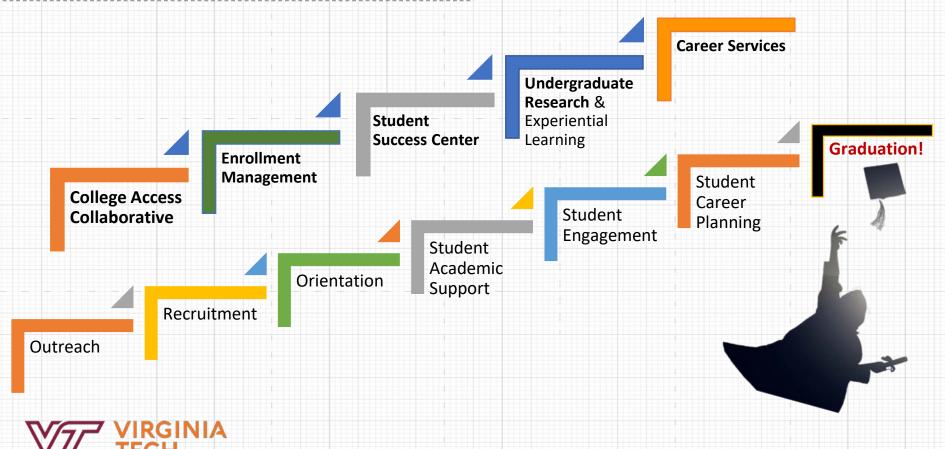
Enrollment Management Outreach Programs

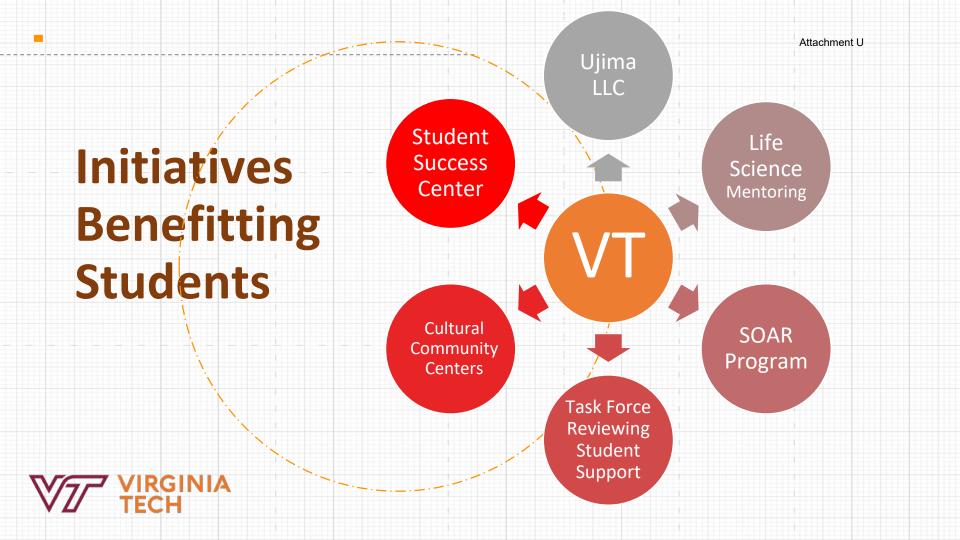
- ➤ Hispanic College Institute Pre-College Program
- ➤ Native American
 Pre-College
 Outreach

- ➤ College Access
 Collaborative
 Summer Programs
- ➤ Black College
 Institute PreCollege Program



Student Success Flow





Retention Support

FINANCIAL AID AND SCHOLARSHIPS (Beyond Boundaries, InclusiveVT Excellence Fund)

TUTORING / MENTORING (Cultural Community Centers, Student Success Center)

SOAR (Student Opportunity and Achievement Resources)

The Commonwealth of Scholars (Academic Excellence)



Faculty Hiring

- Target of Talent
- Future Faculty Fellows
- Advance InclusiveVT
- Diversity Search Advocates

Actions

DiversityEdu
For Faculty
Searches

• 75% completion

• 30

Underrepresented hires *anticipated*

2017-18



Education and Training Overview

Ensuring a welcoming, affirming, safe, and accessible campus climate



DiversityEdu

Providing a common knowledge and basic foundation around diversity and inclusion consistent with Ut Prosim and the Principles of Community.



Year One-2016

5571 students

93.1% completion

Attachment U



7201 students

99.5% completion

Looking Forward: 100% completion

Extending the DiversityEdu message through face-to-face dialogue in FYE, HRL, and IEC

Strategic Diversity Education:

Tied to the InclusiveVT mission and goals:

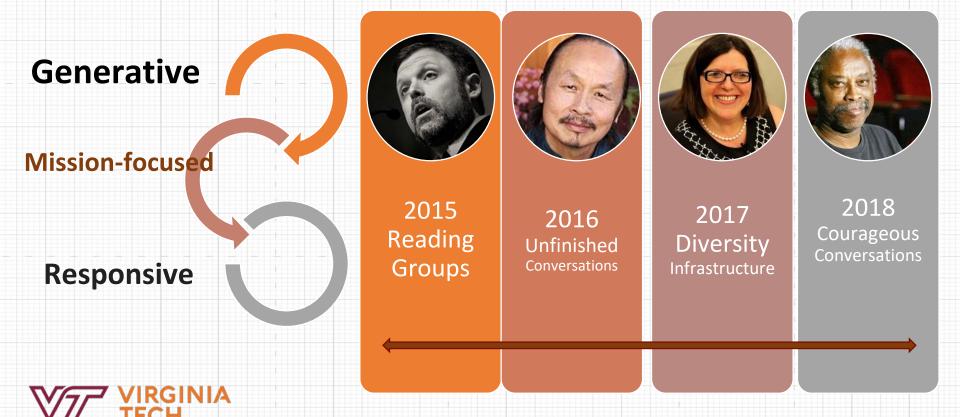
- transformational infrastructure,
- compositional diversity,
- campus climate,
- the academic mission.

Tier One: "Inclusion Edu" (all employees) Tier Two: Diversity Awareness + Inclusive Pedagogy (open enrollment) Tier Three: Capacity Building + **Inclusive Excellence** (targeted cohorts)

Attachment U



Diversity Programming



Impact on the Academic Mission

Preparing students for service through an understanding of issues of identity, the human condition, and life chances.



Approved is a Core Area Critical Analysis of Equity and Identity in the United States

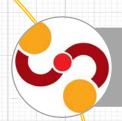
Collegiate hires

Presidential
Pathways
Teaching Fellows

Offers made to post-doctoral teaching fellows



Beyond General Education



UJIMA Living Learning Community (Africana Studies Program)



Required component in graduate student and professional student education



Equity and Social Disparity in the Human Condition Strategic Growth Area



What's Next

- Integration of diversity into university strategic planning framework
- Focusing on capacity-building around diversity competency
- Continuing faculty diversity recruitment momentum and focusing on retention
- Developing comprehensive strategies for student success
- College/Unit Accountability with Diversity Plans



Increasing Diversity in Science: Concrete Steps

Consensus

Leadership

Commitment

Implementation





"Who we are, where we come from, and what we've experienced influence the way we perceive issues and solve problems. I think the most diverse group will produce the best product."

Tim Cook, CEO, Apple



Consensus: The College of Science Values Diversity

Equitable

Essential

Pragmatic



Leadership

Michel Pleimling has been named Director of Inclusion and Diversity for the College of Science, with a mission of helping create a faculty, student body, and community that is diverse and welcoming.



"We know that new challenges require new thinking and continued innovation. That's why embracing diversity and inclusion is not just a nice-to-have, but rather a business priority."

-Mary Barra, CEO, General Motors



Our Initial Focus: Increasing Faculty Diversity

The College committed philosophically, procedurally, and financially to increasing the number of under-represented minority faculty.



Our Ongoing Commitment

Faculty Students Staff Education Pipeline

AdvanceVT InclusiveVT

College
Diversity
Committee

Departmental Committees





Women In The Sciences



Our Initial State: Fall 2016

298 Instructional Faculty

- Biological Sciences
- Chemistry
- Economics
- Geosciences
- School of Neuroscience
- Academy of Integrated Science

- Mathematics
- Physics
- Psychology
- Statistics

Faculty Characteristics	Number and Percent (Fall 2016)	
Women	92 (31%)	
White	232 (78%)	
Asian	49 (16%)	
Hispanic	10 (3%)	
African American	5 (2%)	
American Indian or Alaska Native	2 (1%)	

Science's Current State

Doctorates earned by African Americans in the U.S. in 2016	Number and Percent (NSF Survey of earned Doctorates)
Psychology	233 (6.9%)
Chemistry	65 (4.1%)
Mathematics or Statistics	36 (3.8%)
Economics	18 (3.5%)
Geosciences	10 (1.2%)

66 African American women received a PhD in Physics in the U.S. between 1972 and 2012. During that time, 22,172 white men did.

Implementation: Creative Approaches



Institutionalizing our structure to promote sustainable transformation

- Committing College hiring lines
- Bridging post-docs
- Fellowships and scholarships
- Outreach

"We will make progress every year towards building a more diverse workforce and creating opportunities at every level of the company for all of

Microsoft's employees."

-Satya Nadella, CEO, Microsoft



Projected Results Fall 2018

Projected increases in Tenured, Tenure-track and Collegiate Faculty:

- 13 women
- 2 African Americans
- 2 Hispanics











Virginia Tech Town Hall on Diversity May 3, 2018

Tim Sands, President

Menah Pratt-Clarke,

Vice President for Strategic Affairs Vice Provost for Inclusion and Diversity



The national conversation on diversity



















Inclusion and Diversity at Virginia Tech

Where we've been, Where we're going, How we're making a difference



Virginia Tech Diversity Champion, 2016-2018





- Office of Inclusion and Diversity Team in teachment U 2016









Office for Inclusion and Diversity Team in Attachment U

2018



























Office for Inclusion and Diversity

Vision:
A just and inclusive society

Mission:

To serve as a catalyst for capacity building through InclusiveVT



Inclusive VT: Institutional and individual commitment to *Ut Prosim* in the spirit of community, diversity, and excellence. (May, 2016)

Diversity Strategic Goals:

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Cross-cutting advocacy



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Accelerating Diversity Outcomes

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Sr. Mgmt.
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Vice Provost Areas 40
Academic depts.



Governance

Commission on Equal Opportunity and Diversity

Advises
President's
InclusiveVT
Executive
Council

Recommends policies to University

Council

F17
Letter in response to White supremacy

S18
Letter on the state of our Principles of Community



Caucuses



American Indian and Indigenous



- Pow Wow
- Tribal Relations
- Indigenous People's Day



Asian / Asian American Caucus

Reviewing goals, objectives, vision



Student support

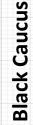
Faculty concerns

Staff concerns



Master **Planning** & Access

Web accessibility





Caucus Disability Alliance and

Caucuses



LGBTQ Caucus

• LGBTQ+ Climate Survey

- Outreach
- Education



Hispanic / Latinx Caucus



Latinx Symposium Plans



VetZone Caucus

Veteran's

Advocacy for transitional support

Support

Veteran's

Conference

Admissions



Four dialogues

Gender@

• Short, medium, long-term goals

ncns

Ca

Women's

Compositional Diversity

Increasing faculty, staff, and student diversity



Project 2022

Fall 2022 25% URM 40% URM/USS

Fall 2017

13% URM 30% URM/USS

- Fall census of entering undergraduate class, including first-year and transfer students
- URM = UnderRepresented Minority
- USS = UnderServed Students (First-generation & Pell)
- · URM/USS not double-counted



New Leadership (2017)

24% increase in Black student applications in year one!

Admissions restructuring, non-cognitive factors, pipeline programs, life experiences, leadership, overcoming obstacles





Luisa Havens, Vice Provost



Juan Espinoza, Associate VP



Alphonso Garrett, Director, Diversity

Enrollment Management Outreach Programs

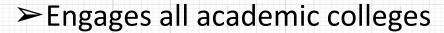
- ➤ Hispanic College Institute Pre-College Program
- ➤ Native American
 Pre-College
 Outreach

- ➤ College Access
 Collaborative
 Summer Programs
- ➤ Black College
 Institute PreCollege Program



Black College Institute Pre-College Program

- ➤ Academic enrichment program
- ➤ High achieving, academically curious rising high school juniors and seniors

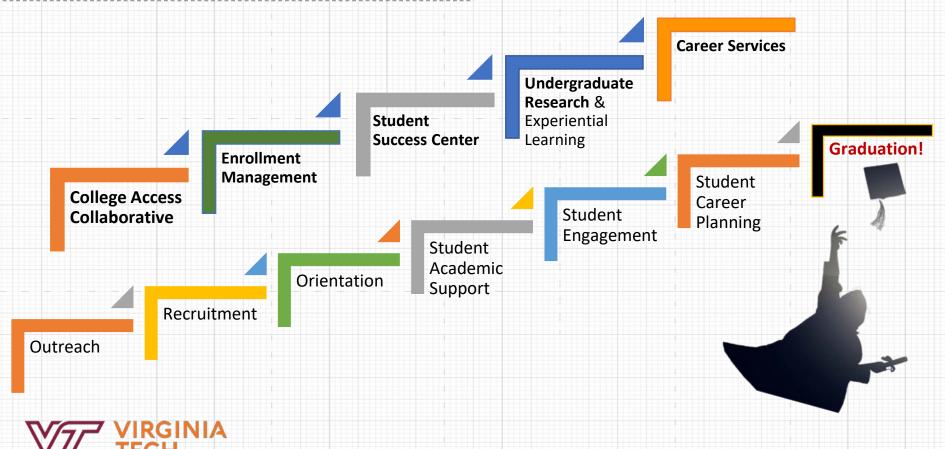


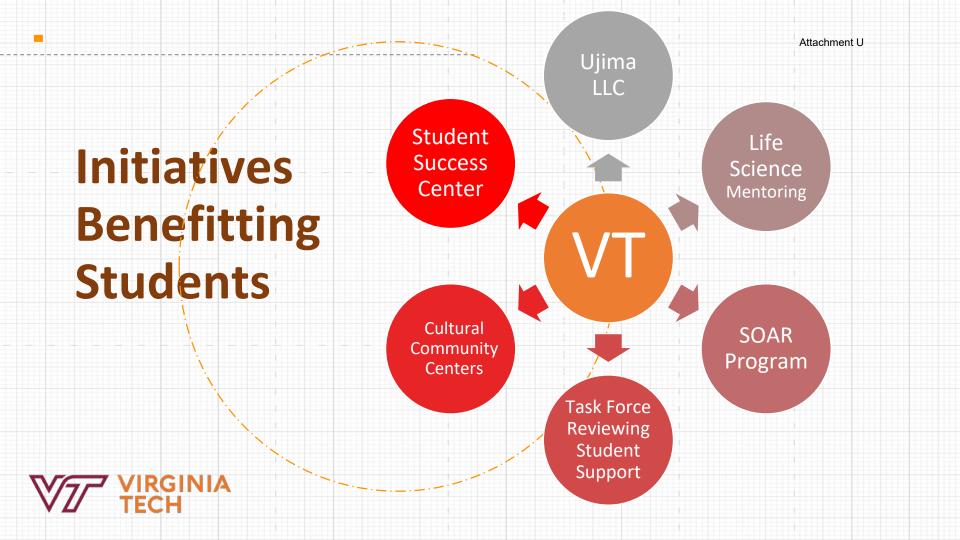
600+ applicants for 2018!





Student Success Flow





Retention Support

FINANCIAL AID AND SCHOLARSHIPS (Beyond Boundaries, InclusiveVT Excellence Fund)

TUTORING / MENTORING (Cultural Community Centers, Student Success Center)

SOAR (Student Opportunity and Achievement Resources)

The Commonwealth of Scholars (Academic Excellence)



Cultural and Community Centers

Creating conditions for student success.

Developing the cultural competence of every Virginia Tech student.





Rhonda Rogers



Joseph Frazier



Veronica Montes



Luis Garay



Kimberly Williams



Advocacy Advising Awareness



Attachment U

The Centers

Asian American Cultural Center (2017) & Indigenous
Community Center
(2016)

American Indian

Intercultural Engagement Center

El Centro (2016)

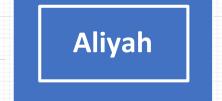
> LGBTQ+ Resource Center (2016)

Black Cultural Center (1991)

VZ VIRGINIA TECH

Veteran's Center

Cultural Achievement Ceremonies



American Indian & Indigenous













Students in Recovery

Veterans



Faculty Hiring

- Target of Talent
- Future Faculty Fellows
- Advance InclusiveVT
- Diversity Search Advocates

Actions

DiversityEdu
For Faculty
Searches

• 75% completion

• 30

Underrepresented hires *anticipated*

2017-18



Enhancing Faculty Diversity

Attachment U

PIBB

- Partnership for Incentive Based Budget
- Annual reporting by colleges and vice presidents
- Budget allocations for success
- Faculty Success Scorecard with diversity metrics

Cluster Hires

- Cluster ads and search committees
- Committees → diversity advocates & Advance InclusiveVT representatives

Advance VT Continued workshops & faculty programs promoting recruitment and retention

Education and Training Overview

Ensuring a welcoming, affirming, safe, and accessible campus climate



DiversityEdu

Providing a common knowledge and basic foundation around diversity and inclusion consistent with Ut Prosim and the Principles of Community.



Year One-2016

5571 students

93.1% completion

Attachment U



7201 students

99.5% completion

Looking Forward: 100% completion

Extending the DiversityEdu message through face-to-face dialogue in FYE, HRL, and IEC

Diversity Development

 Founded in 2011 at the recommendation of the Task Force on Race and the Institution

> Diversity Development

Allies and Advocates

 Currently 370 have completed at least 36 hours of diversity training to receive their Ally certificate. Moving forward
 diversity education
 will align with
 InclusiveVT and its
 strategic goals.

Strategic Diversity Ed



Strategic Diversity Education:

Tied to the InclusiveVT mission and goals:

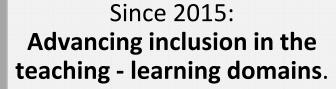
- transformational infrastructure,
- compositional diversity,
- campus climate,
- the academic mission.

Tier One: "Inclusion Edu" (all employees) Tier Two: Diversity Awareness + Inclusive Pedagogy (open enrollment) Tier Three: Capacity Building + **Inclusive Excellence** (targeted cohorts)

Attachment U



Inclusive Pedagogy



Partnering with NLI & CIDER

 Cohorts in CALS, SOVA, COS, English

Currently 2017-2018: **HHMI**

Inclusive Excellence

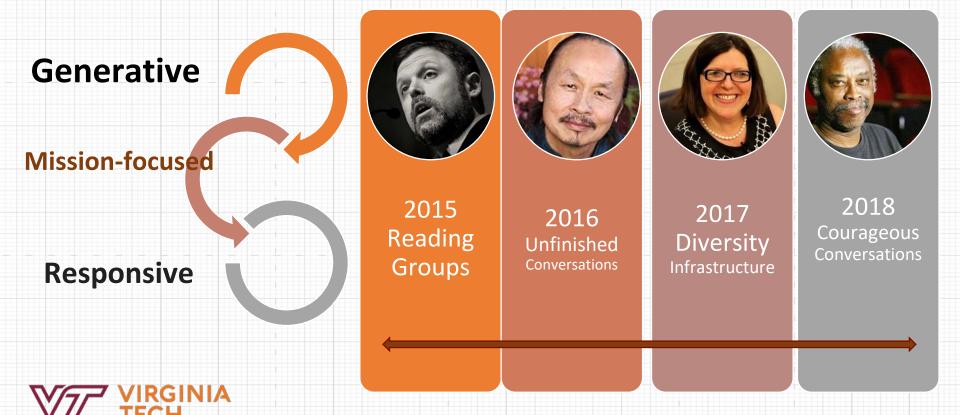
- STEM-focused
- 5 cohorts / 5 years
- **15** departments to be impacted in three colleges

Moving forward-→

Double faculty participation through open enrollment.



Diversity Programming



Faculty Women of Color in the Academy National Conference



400+ women from **35** institutions came to Virginia Tech to **Connect**

Support

Empower

In April 2017, 2018.



Attachment U

Uplifting Black Men Conference February 2016, 2017, 2018





LGBTQ Programming

- Coffee & Tea with the LGBTQ+C last Tuesday of every month
- LGBTQ+ History Month October 1 to October 31, 2017
- LGBTQ+ Resource Center Open House
 January 22, 2018
- Creating Change Conference January 24 to January 28, 2018
- Pride Week 2018 April 1 to April 7, 2018





Veteran Awareness



- Nearly 200 veterans are enrolled at Tech - tackling the unique challenges that veterans can face on a college campus.
- Seeking recognition as Military Friendly School



Impact on the Academic Mission

Preparing students for service through an understanding of issues of identity, the human condition, and life chances.



Approved as a Core Area Critical Analysis of Equity and Identity in the United States

Collegiate hires

Presidential
Pathways
Teaching Fellows

Offers made to post-doctoral teaching fellows



Beyond General Education



UJIMA Living Learning Community (Africana Studies Program)



Faculty Fellows in Cultural and Community Centers



Equity and Social Disparity in the Human Condition Strategic Growth Area



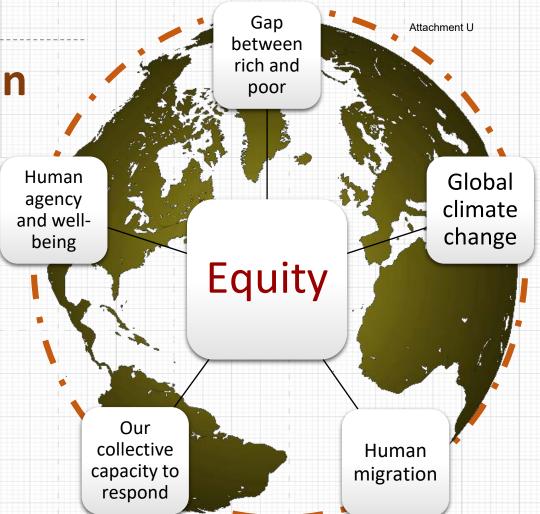
Attachment U





Advancing the Human Condition Symposium

November 27-28, 2018





The Challenges Ahead

Responding locally to the national conversation Building a future of inclusion

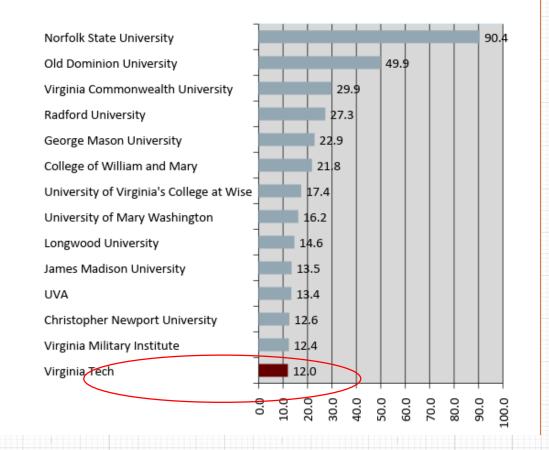


Becoming a better choice

- Since 1987: incremental increases (0.25%) in underrepresented enrollment.
- What needs to happen to meet our 2022 goal?
- How do we become a destination for underrepresented youth in Virginia?



% of Total Enrollment by College/University



Being more courageous

 How do we have the hard conversations needed to fufill our aspirations?





Building our InclusiveVT community

 Are we prepared to respond to national conversations on diversity and inclusion especially when those conversations occur in our community?



















Open Conversation and Dialogue



Virginia Tech
Town Hall on
Diversity Data
Overview

TIM SANDS, PRESIDENT
MENAH PRATT-CLARKE, VICE
PRESIDENT FOR STRATEGIC AFFAIRS
AND VICE PROVOST FOR INCLUSION
AND DIVERSITY MAY 3, 2018

Data Overview



- High School Students in Virginia Diversity Data
- VT Undergraduate Student Enrollment Data
- VT Retention/Graduation Data
- VT Graduate Student Enrollment Data
- VT Faculty Diversity Data
- VT Staff Diversity Data



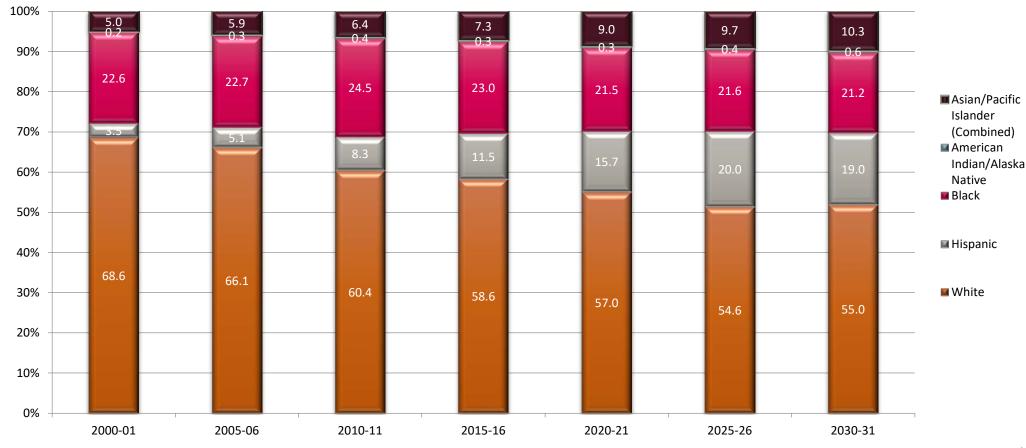
High School Graduates

Increasing Diversity Among Virginia's High School Graduates

- Over the next 15 years, the diversity of Virginia's high school graduates is expected to increase dramatically.
- Data projections from the Western Interstate Commission for Higher Education (WICHE) through the year 2032 suggest that Virginia's underrepresented minorities high school graduates will increase from 34% in 2017-18 to 40.5% in 2032.



Virginia High School Graduates, Race/Ethnicity Projections Through 2030

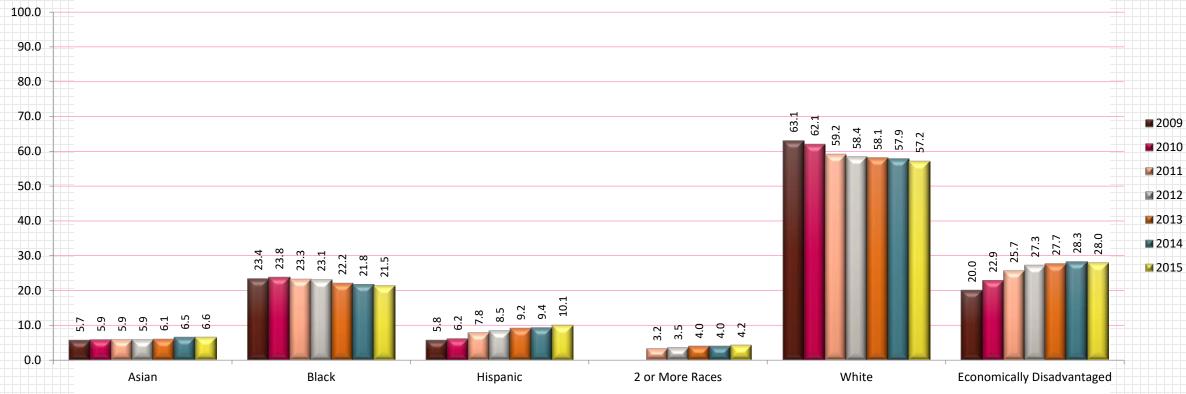


Source: Western Interstate Commission for Higher Education (WICHE)



Virginia High School Graduates, Race/Ethnicity and Economic Status, % of Total, 2009-2015

The number of underrepresented and economically disadvantaged high school graduates has increased steadily since 2009.





Note: American Indian and Native Hawaiian constitute less than 0.5% of Virginia High School graduates Source: Virginia Department of Education

Notes: Virginia High School Graduates

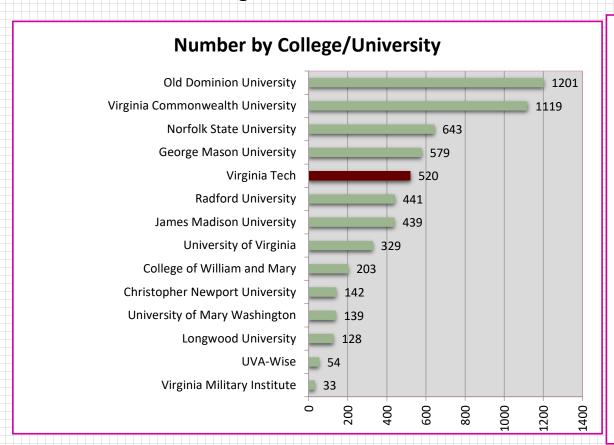
- Source: Knocking at the Door. Western Interstate Commission for Higher Education (WICHE). http://knocking.wiche.edu.
- Race Ethnicity categories include: American Indian/Alaska Native, Asian/Pacific Islander (Combined), Black, Hispanic (Alone or Any Race) and White.
- Underrepresented race/ethnicity includes American Indian/Alaska Native, Black, and Hispanic.
- WICHE data combines Native Hawaiian/Pacific Islander with Asian; however, in 2002 the US Department of Education separated these two categories. Virginia Tech includes Native Hawaiian/Pacific Islander as underrepresented.
- Source: Virginia Department of Education. (2015). State Fiscal Stabilization Fund Indicator (C)(11) Report, Four Year Graduation Rate, all divisions and schools reporting. https://p1pe.doe.virginia.gov/postsec_public/postsec.do?dowhat=LOAD_REPORT_C11.
- Not yet updated for 2016
- For Virginia Department of Education, enrollment in a four-year public institution is measured as the number of students who enroll 16 months of earning a federally recognized high school diploma.
- VDOE defines a student as economically disadvantaged if the student:
 - is eligible for Free/Reduced Meals,
 - receives TANF, or
 - is eligible for Medicaid: http://www.doe.virginia.gov/info_management/data_collection/student_record_collection/data_definitions.shtml#disadvantaged
- Race Ethnicity categories include: American Indian, Asian, Black, Hispanic, Native Hawaiian, White, 2 or More
- Underrepresented race/ethnicity includes American Indian, Black, Hispanic, and Native Hawaiian.
- Two or more races includes all race/ethnicity categories except Hispanic. Not all of these students are underrepresented. (Two or more races was not collected by VDOE prior to 2011).
- Hispanic includes students who are Hispanic/Latino of any race.

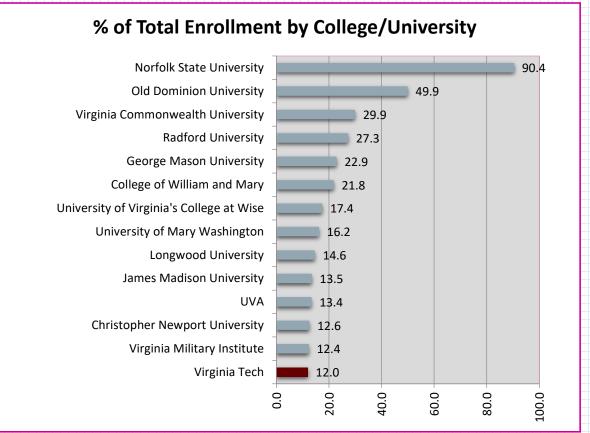


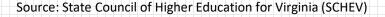
**Underrepresented In-State First-Time Freshmen who Enrolled in Four-Year Public Institutions, 2016-17



In 2016-17, 12% of Virginia Tech's freshman enrollees were underrepresented Virginia high school graduates.









Notes: State Council of Higher Education for Virginia (SCHEV) Comparison Data

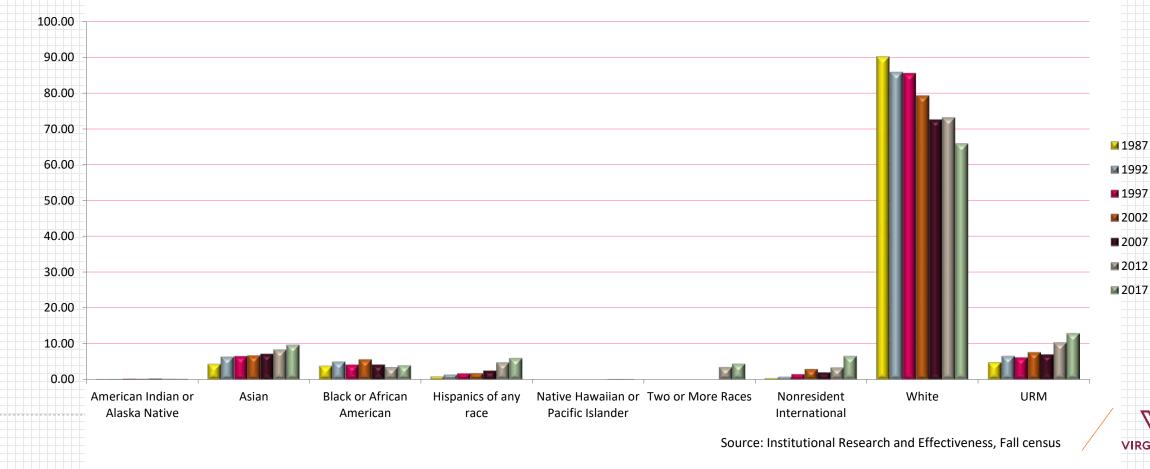
- Source: SCHEV report E12R: Fall Headcount by Domicile/Race-Ethnicity of New Undergraduates. http://research.schev.edu/enrollment/E12R_Report.asp
- Underrepresented includes Black/African American, American Indian, and Hispanic.
 - SCHEV data combines Native Hawaiian/Pacific Islander with Asian; however, in 2002 the US Department of Education separated these two categories. Virginia Tech includes Native Hawaiian/Pacific Islander as underrepresented.
 - Hispanic includes people of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race.
 - Multi-race students are excluded from this analysis as the breakout by race/ethnicity is not included in SCHEV data.
- Virginia State reported majority of new students as "Unknown" race/ethnicity in 2016-17. For the purposes of this analysis, Virginia State is excluded from the chart.
- For SCHEV, enrollment in a four-year public institution is measured as the number of students who enroll as first-time freshmen in a given year.



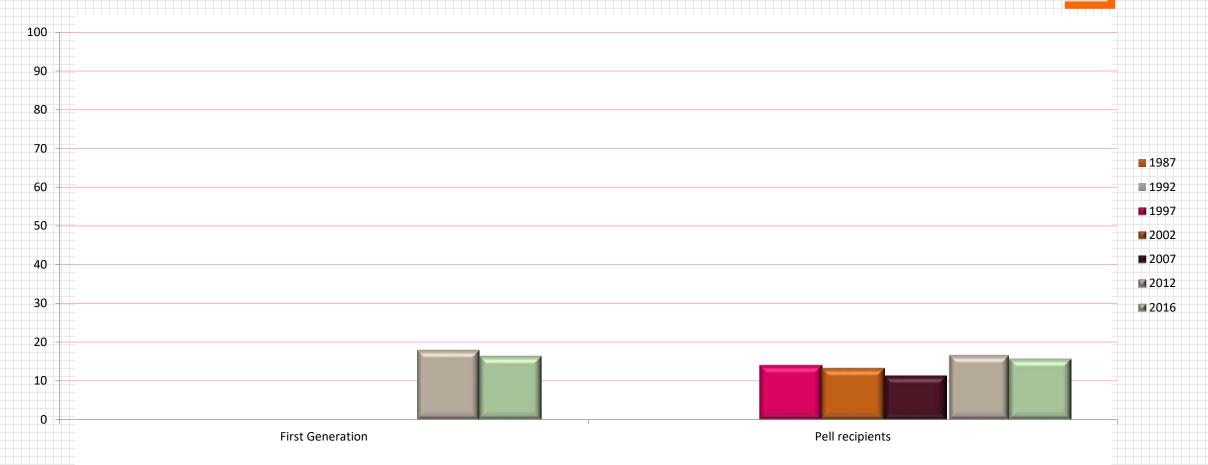
Undergraduate Students

Undergraduate Students, % Enrollment by Race/Ethnicity, 1987-2017

Since 1987, Virginia Tech's enrollment of underrepresented students has increased from 4.9% to 12.5%, at a rate of 0.25% per year.



**Undergraduate Students, % Enrollment for Pell Recipients and First Generation Students, 1997-2017





Attachment U





- 25% underrepresented minority students
- 40% total (underserved and underrepresented students)



Notes: Underrepresented and Underserved Undergraduate Students

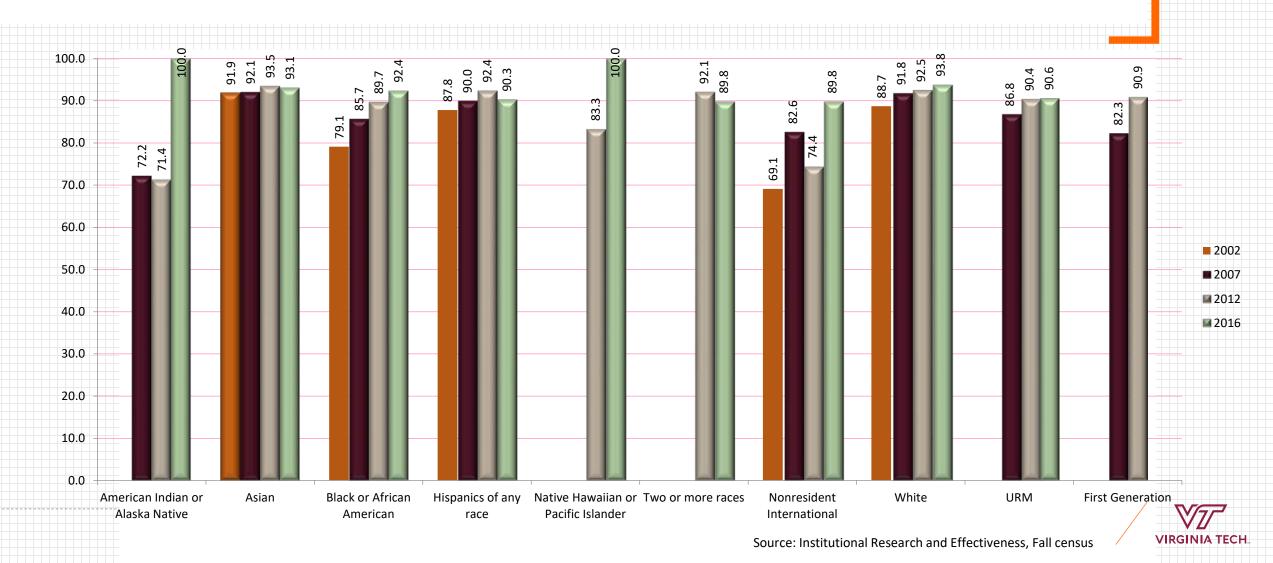
- Source: Virginia Tech Institutional Research and Effectiveness data request, September 30 of each year.
- Underrepresented Minorities (URM) include students who self-identify in whole or in part as:
 - American Indian or Alaska Native,
 - Black or African American,
 - Hispanics of any race, or
 - Native Hawaiian or Other Pacific Islander.
 - If a student self-identifies as two or more races, they are counted as an underrepresented minority, unless the two races chosen are White + Asian.
- The options of Native Hawaiian or Other Pacific Islander and Two or More Races were introduced into the student data in 2009.
- For the purposes of this presentation, nonresident international is used to indicate the category nonresident alien, based upon recommendations from the InclusiveVT evaluation report (Depauw, 2015). The term nonresident alien is defined as "a person who is not a citizen or national of the United States and who is in this country on a visa or temporary basis and does not have the right to remain indefinitely"(http://ir.vt.edu/about/glossary.html#nra).
- First generation student data collected starting in 2006
- National Center for Educational Statistics race/ethnicity definitions are used, unless otherwise indicated (https://nces.ed.gov/ipeds/Section/definitions).
- Pell-eligible data data prior to 2010 available through Enrollment Management
 - Income data by quintile for 2001-2013 is available in the report, **Student Costs in Higher Education: Focus on Virginia Tech**, Spring Summer 2015. See also Figures 12-15 reflecting retention by income quintile



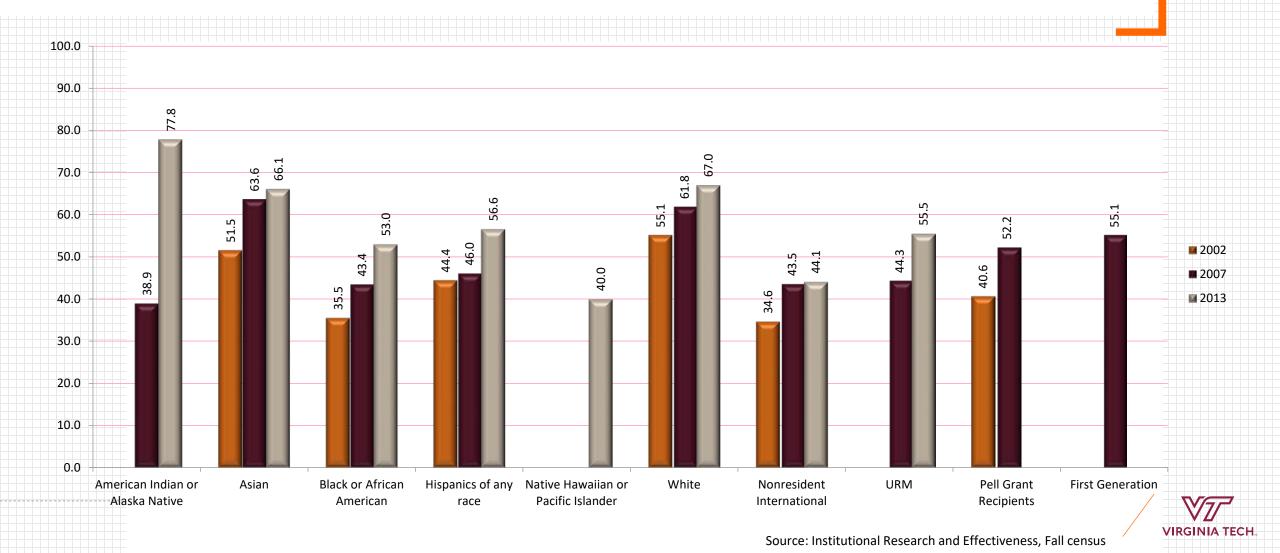
Undergraduate Retention

Attachment U

**Virginia Tech Undergraduate Students, % Continued to 2nd Year, 2002-16

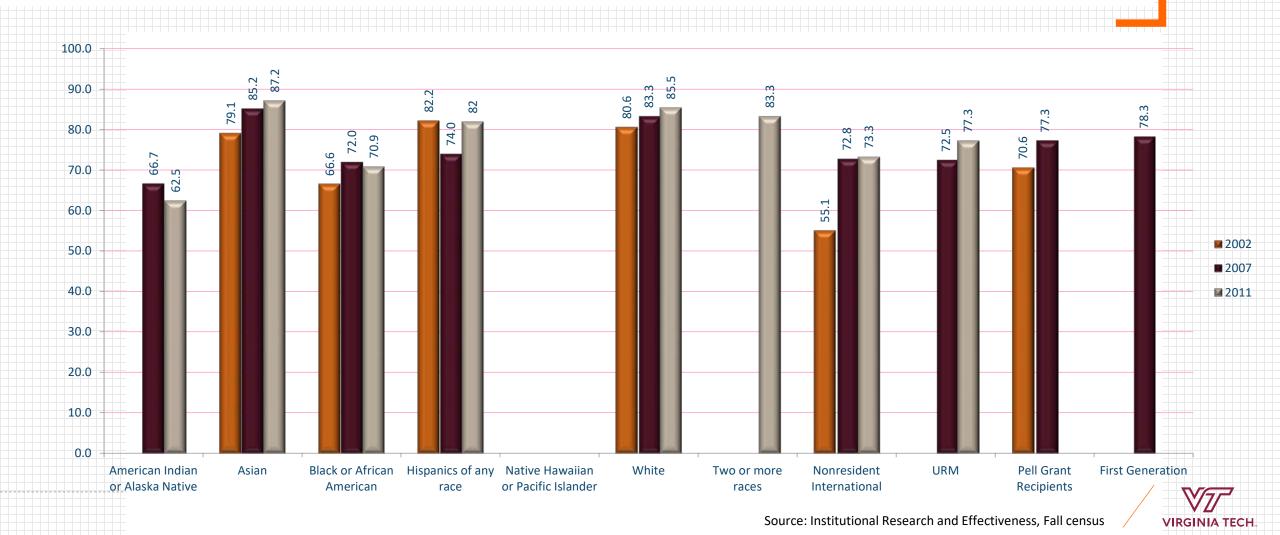


**Virginia Tech Undergraduate Students, 4 Year Graduation Rate, 2002-13



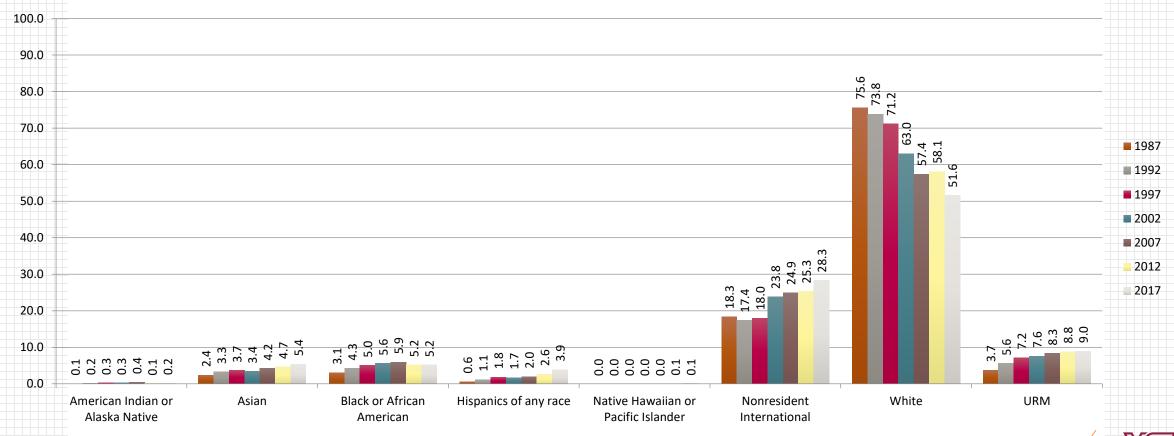
Attachment U

**Virginia Tech Undergraduate Students, 6 Year Graduation Rate, 2002-11



Graduate Students

Graduate/Professional Student Enrollment by Race/Ethnicity, 1987-2017





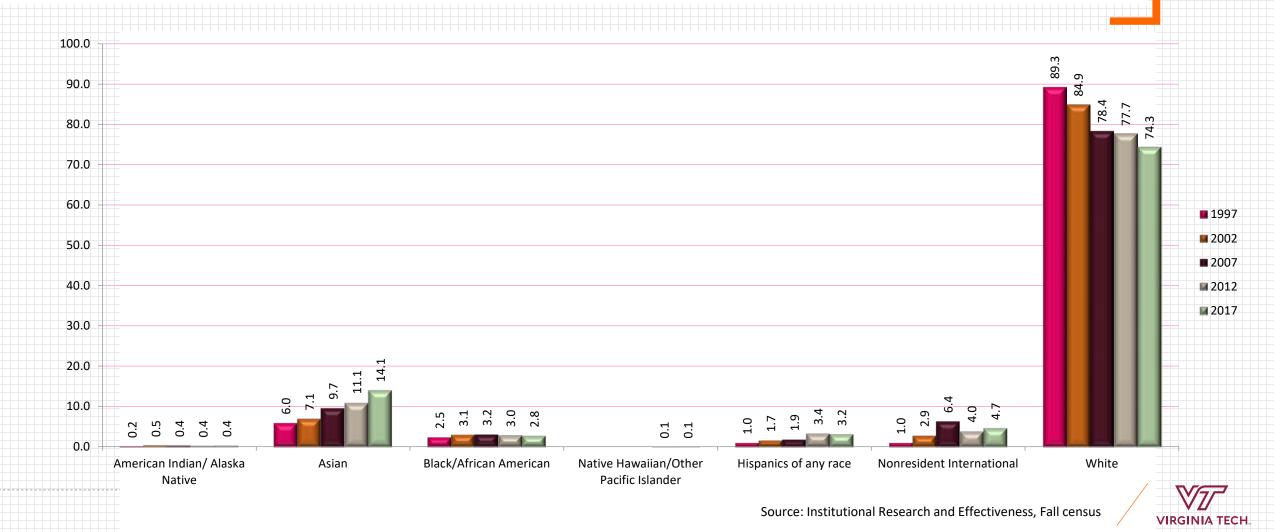
NOTES: Graduate Student Data

- Source: Virginia Tech Institutional Research and Effectiveness Diversity Strategic Plan data request, September 30 of each year.
- Underrepresented Minorities include students who self-identify in whole or in part as:
 - American Indian or Alaska Native,
 - Black or African American,
 - Hispanics of any race, or
 - Native Hawaiian or Other Pacific Islander.
 - If a student self-identifies as two or more races, they are counted as an underrepresented minority, unless the two races chosen are White + Asian.
- The options of Native Hawaiian or Other Pacific Islander and Two or More Races were introduced into the data in 2009.
- For the purposes of this presentation, nonresident international is used to indicate the category nonresident alien, based upon recommendations from the InclusiveVT evaluation report (Depauw, 2015). The term nonresident alien is defined as "a person who is not a citizen or national of the United States and who is in this country on a visa or temporary basis and does not have the right to remain indefinitely"(http://ir.vt.edu/about/glossary.html#nra).

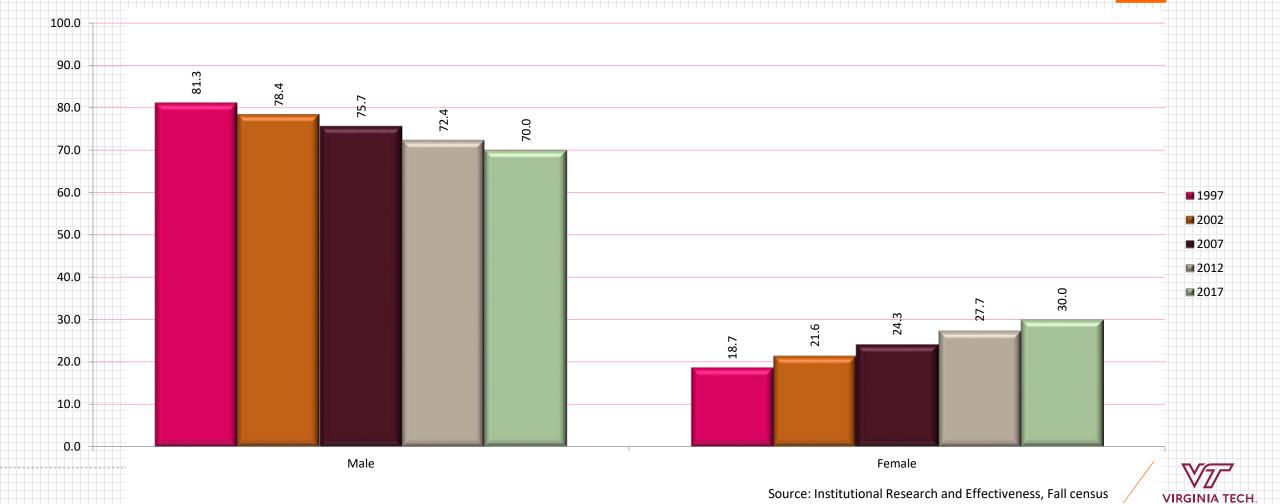


Tenured/Tenure Track Faculty

Tenured/Tenure Track Faculty, % by Race/Ethnicity, 1997-2017



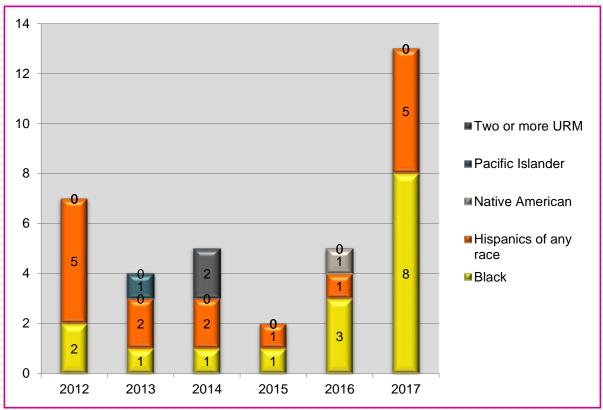
Tenured/Tenure Track Faculty, % by Gender, 1997-2017



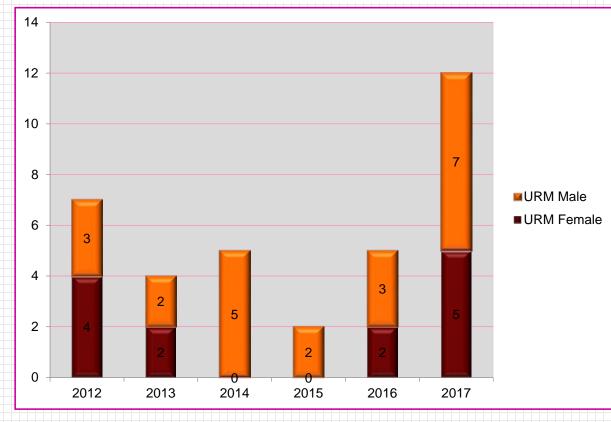
Attachment L

New Tenured/Tenure Track Faculty Hires, 2012-17, 2018 Projected

By Race/Ethnicity



By Gender



Note: 30 new underrepresented hires expected for 2017-18!



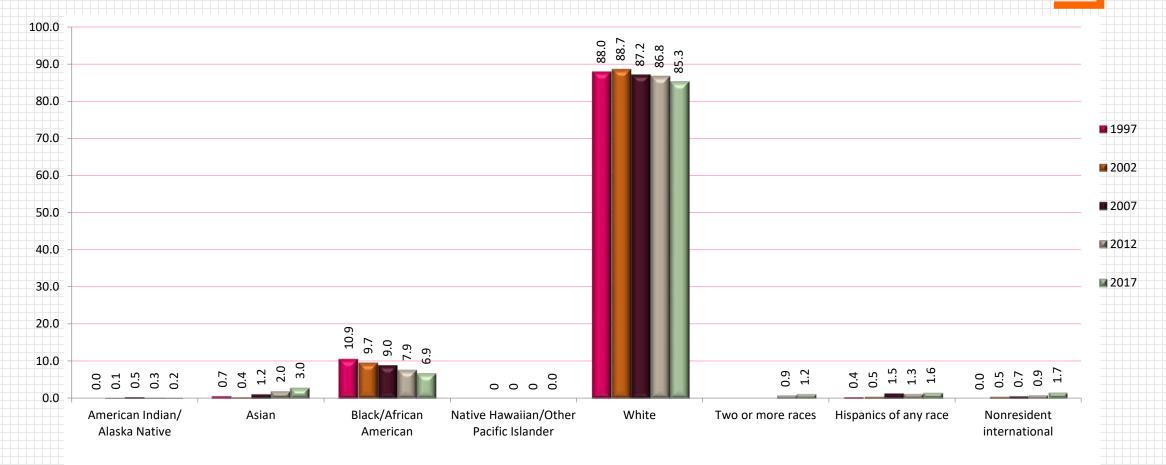
NOTES: Tenured/Tenure Track Faculty Data

- Source: Virginia Tech Institutional Research and Effectiveness Diversity Strategic Plan data request, employee census as of September 30 of each year.
- Additional faculty data available from 1988-1997 through the National Center for Educational Statistics, https://nces.ed.gov.
- Nonresident International tenured/tenure track faculty comprise primarily Assistant Professors. Many Associate and Full have achieved resident international status by time of promotion.
 - For the purposes of this presentation, nonresident international is used to indicate the category nonresident alien, based upon recommendations from the InclusiveVT evaluation report (Depauw, 2015). The term nonresident alien is defined as "a person who is not a citizen or national of the United States and who is in this country on a visa or temporary basis and does not have the right to remain indefinitely"(http://ir.vt.edu/about/glossary.html#nra).
- Faculty hires for the coming academic year typically have a hire date of August 10.



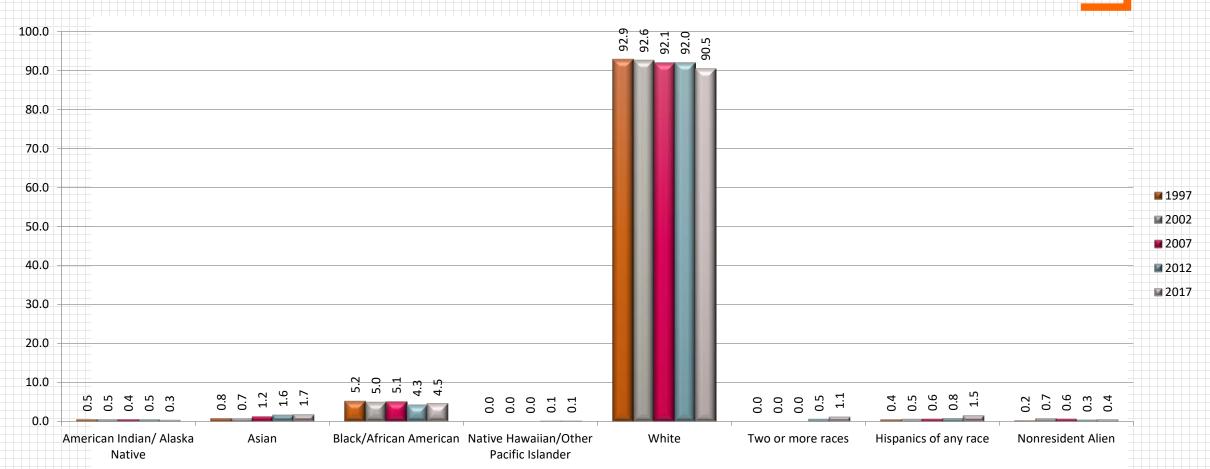
Academic Professional Faculty/Staff

Administrative/Professional Faculty, % by Race/Ethnicity, 1997-2017





Staff, % by Race/Ethnicity, 1997-2017







NOTES: AP and Staff Data



- Source: Virginia Tech Institutional Research and Effectiveness Diversity Strategic Plan data request, September 30 of each year.
- Source: Virginia Tech Institutional Research and Effectiveness, https://irweb.ir.vt.edu/webtest/FacultyStaffGenderEthnicity.aspx.
- Additional faculty data available from 1988-1997 through the National Center for Educational Statistics, https://nces.ed.gov.



Special thanks to:



- Virginia Tech Institutional Research and Effectiveness
 - Roxanne Gile
 - Dennis Catley
 - Kacy Lawrence
 - Janice McBee
- Office for Inclusion and Diversity
 - Marcy Schnitzer
 - Linwood Moore





The Promotion and Tenure Process

JACK W. FINNEY

VICE PROVOST FOR FACULTY AFFAIRS

BOV INFORMATION SESSION, JUNE 3, 2018



Faculty Ranks

Assistant Professor

 Responsibilities in teaching; research, scholarship, or creative achievements; and outreach and professional service; six year probationary period

Associate Professor

 Accomplishments in an appropriate combination of outstanding teaching; research, scholarship, or creative achievements; and outreach and professional service

Professor

 National or international recognition and excellence in research, scholarship, or creative achievement

Tenured | Collegiate | Clinical | Practice | Research



Tenure and Continued Appointment

Tenure

 Tenure is awarded when the community of scholars has judged the candidate to have met the teaching, research, and/or service expectations of the discipline, college, and university.

Continued Appointment

 Continued appointment is a parallel tenure status for library and extension faculty who demonstrate excellent service to Virginia Tech and continued professional growth and engagement.

Tenure and continued appointment ensure academic freedom in research and teaching.



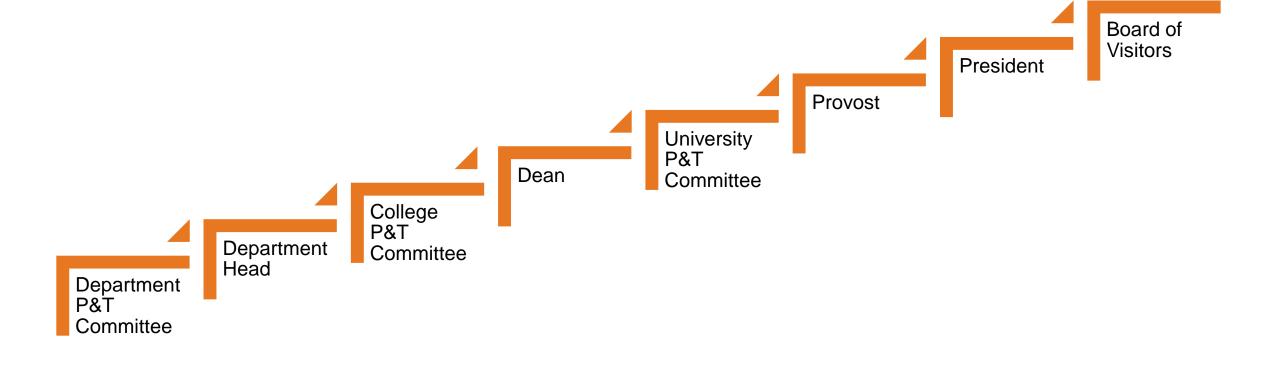


Promotion & Tenure Dossier

- I. Executive Summary
- II. Recommendation Letters (internal and external)
- III. Candidate's Statement
- IV. Teaching and Advising Effectiveness
- V. Research and Creative Activities
- VI. International & Professional Service and Other Outreach & Extension Activities
- VII. University Service
- VIII. Work Under Review or In Progress
- IX. Other Pertinent Activities



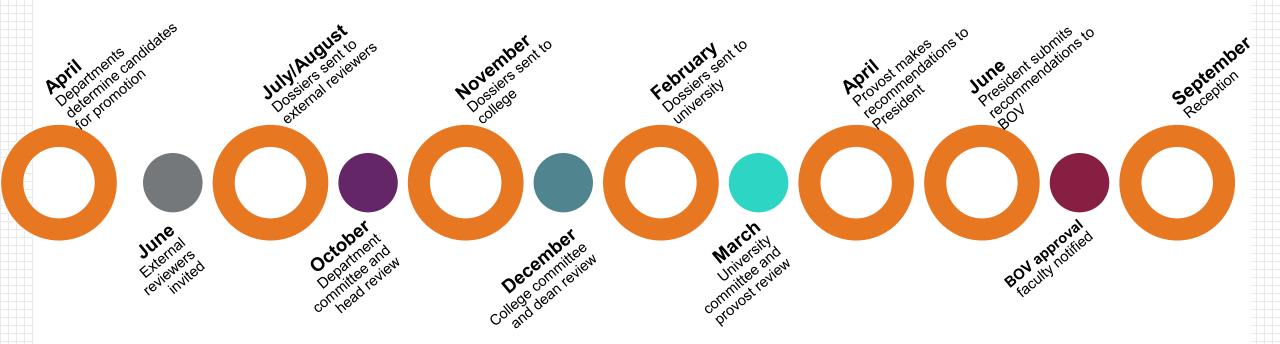
Evaluation Process for Promotion & Tenure





Attachment U

Promotion & Tenure Schedule



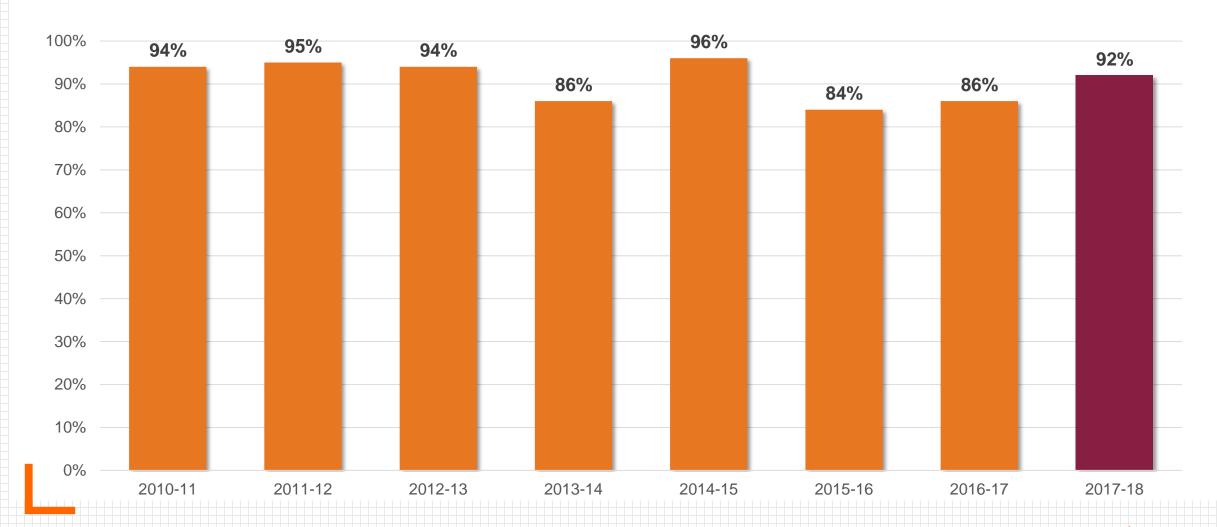


Promotion & Tenure Policies & Practices

- Six-year probationary period
- 2nd and 4th year reviews of progress
- Extend the tenure clock policy
- Non-mandatory promotion to associate with tenure
- Mentoring for assistant professors
- Mentoring for associate professors
- Written expectations and standards
- Workshops on the promotion process
 - P&T committee members and heads
 - Promotion to professor
 - College committees and faculty



Promotion & Tenure Success, 2010-2018





Questions?

