ENVISIONING VIRGINIA TECH

BEYOND BOUNDARIES
A Plan for Continuous Innovation at Virginia Tech

A Plan for a New Horizon
2012-2018

New funding models
Global land-grant
Preparing students
Campus of the future

BEYOND BOUNDARIES

INCLUSIVE VT
Access to talent
Culturally competent students

DESTINATION AREAS
Dynamic university
Talent magnet

1-3 YEARS 5-10 YEARS 25-35 YEARS
1. To advance as a global land-grant university with international distinction.

2. To strategically address the challenges and opportunities facing higher education institutions.
A GENERATION FROM NOW

Life and work will be

more global, mobile, technology-mediated, specialized, interconnected; less steady/stable

Students will seek

knowledge, expertise, opportunity, flexibility, jobs; but also purpose and meaning

The campus will

comprise heterogeneous networks and innovation hubs facilitated by technology

Virginia Tech must

reflect the world in which students live and work, differentiate itself with unique value and personalized education; be sustainable, adaptable, and reflexive

Brennan Caddigan, A Hundred Years from Now, 1914
VT-SHAPED PEOPLE

‘VT-shaped’ students with:

- Disciplinary depth
- Interdisciplinary capacities
- Purpose-driven engagement
COMMUNITIES OF DISCOVERY

Human-centered environments

Engage the whole person, cultivate empathy, inclusive, a culture of mentoring

Empowering opportunities

Flexible, experiential, interdisciplinary

Purpose-driven learning

Real-world projects on matters of concern in collaboration with multiple stakeholders
INTEGRATIVE INNOVATION HUBS

- Complex Societal Problem
- Living/Learning Communities
- Classrooms
- Studios
- Research labs
- Innovation/Maker Space
- Startups
- Industry
- Commons
- Natural Resources and Environment
- Agriculture and Life Sciences
- Architecture and Urban Studies
- Liberal Arts and Human Sciences
- VT Carilion School of Medicine
- Pamplin College of Business
- Science
- Engineering
- Veterinary Medicine
- Research Institutes
- Human-Centered Smart Environments

THE RISE OF INNOVATION DISTRICTS: A New Geography Of Innovation In America
Bryce Katz and Julie Wagner

Brookings
GLOBAL ENGAGEMENT HUBS

PROJECTED UNIVERSITY

HUMAN-CENTERED SMART ENVIRONMENTS
HUMAN-CENTERED SMART ENVIRONMENTS

Complex Societal Problem

Living labs
Augmented reality/Telepresence
Virtual environments
Complex system simulations
APPLYING DISCIPLINARY EXCELLENCE TO COMPLEX PROBLEMS

Specific disciplinary envelopes occur with the academic factoring of complex problems.

Disciplinary excellence and important problems thus yield destination areas.
Network of many actual problem-situated disciplinary institutions, forming a “living laboratory” of distributed institutions.
Moving forward as a global land-grant university, Virginia Tech will develop and implement innovative and agile financial models dedicated to academic excellence, world-class research, and *Ut Prosim*, while advancing access and affordability.
2047 FUNDING MODEL

Agile funding strategies
• Generating new learner-centered revenues
• Developing world-class philanthropy
• Creating new partnerships
• Evaluating Value to Experience (VTX)

World-class research
Ut Prosim
Academic excellence
2016 → 2026 → 2047

We are always students
VT cultivates discovery from childhood throughout lifetime

Whole world is the campus
students access learning wherever and whenever they need it

Evolving pathways
curriculum is adaptive, customizable, inclusive, to each learner; unbound from grades and credit hours

Framework for continuous innovation
incubator to challenge faculty
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