



VIRGINIA TECH™



SINCE 1872



Ask us about **FutureHAUS** at the 2020 world's fair! PAGE 15

# GET THE FUTURE YOU WANT

INTERNATIONAL ADMISSIONS GUIDE

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

# ABOUT VIRGINIA TECH

Virginia Tech is a comprehensive, four-year, public university with over 36,000 students, including 4,400 international students – more than any other university in Virginia. Students come from more than 110 countries around the world.

Founded in 1872, Virginia Tech pushes the boundaries of knowledge by taking a hands-on, transdisciplinary approach to preparing students to be leaders and problem-solvers.

The university has nine colleges and a graduate school:

- College of Agriculture and Life Sciences
- College of Architecture and Urban Studies
- Pamplin College of Business
- College of Engineering
- College of Liberal Arts and Human Sciences
- College of Natural Resources and Environment
- College of Science
- Virginia-Maryland College of Veterinary Medicine
- Virginia Tech Carilion School of Medicine and Fralin Biomedical Research Institute

## A GLOBAL RESEARCH UNIVERSITY

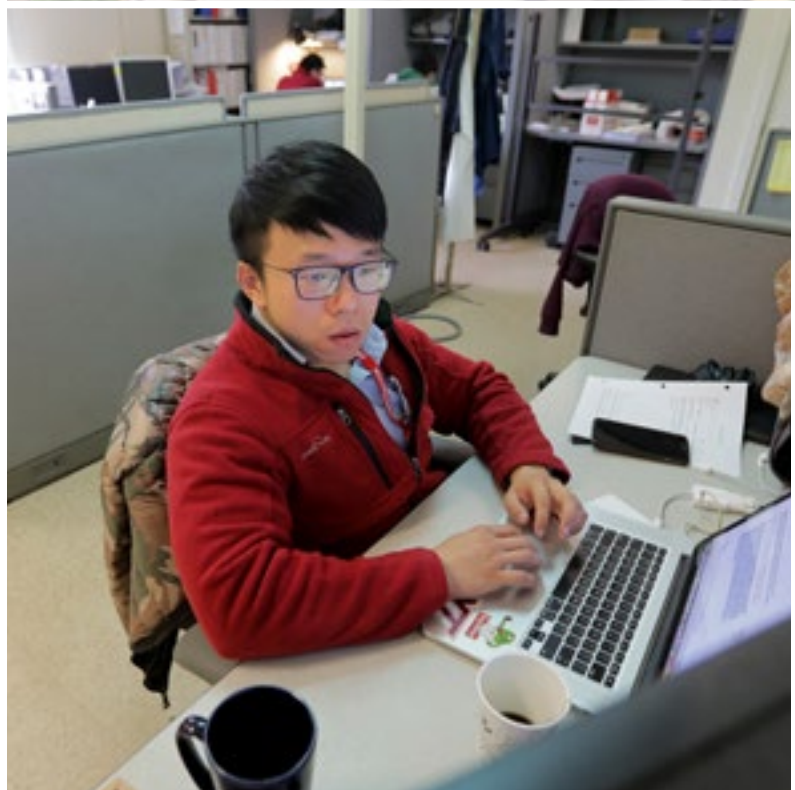
Virginia Tech is ranked **46th** in university research in the United States with a research portfolio of more than **\$522 million**.

## NATIONAL RANKINGS

**No. 30** – TOP PUBLIC SCHOOLS  
*U.S. News & World Report*

**No. 74** – BEST NATIONAL UNIVERSITIES  
*U.S. News & World Report*

**No. 105** – U.S. College Rankings  
*Wall Street Journal/Times Higher Education*



# TOP GLOBAL PROGRAMS

- ▶ AGRICULTURE & FORESTRY
- ▶ ARCHITECTURE
- ▶ CIVIL & STRUCTURAL ENGINEERING
- ▶ COMPUTER SCIENCE
- ▶ EDUCATION
- ▶ ELECTRICAL ENGINEERING
- ▶ ENGINEERING & TECHNOLOGY
- ▶ ENVIRONMENTAL STUDIES
- ▶ HOSPITALITY LEISURE MANAGEMENT
- ▶ MATERIAL SCIENCE
- ▶ MATH
- ▶ MECHANICAL ENGINEERING
- ▶ MINING ENGINEERING
- ▶ STATISTICS & OPERATIONAL RESEARCH
- ▶ VETERINARY MEDICINE

– QS World University  
Rankings, Times  
Higher Education



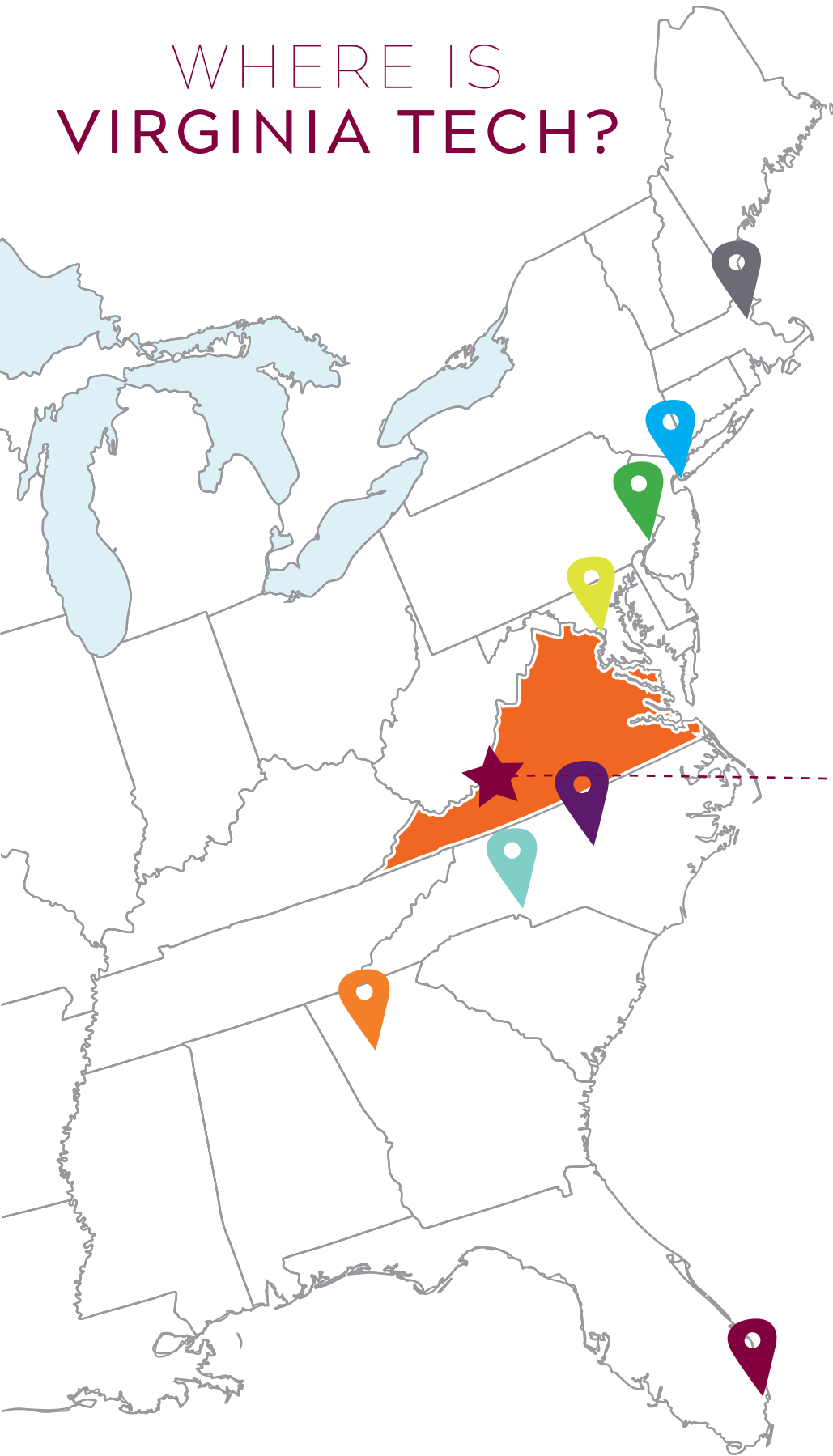


## THE *UT PROSIM* DIFFERENCE

The Virginia Tech community serves those around us – on campus, in the workplace, and in our neighborhoods – in an open, honest, and inclusive spirit. Service and inclusivity support our pursuits of excellence in culture, research, and learning. Adopted in 1896, the university motto, *Ut Prosim* (That I May Serve), has long guided our community.

Graduates leave Virginia Tech with far more than an academic degree. Students and alumni embrace service as a way of life. They engage with others in the community, knowing that global leaders and valuable citizens must serve others in their daily lives. Service is the cornerstone of Virginia Tech's traditions.

# WHERE IS VIRGINIA TECH?



## LOCATED IN BLACKSBURG, VIRGINIA

Virginia Tech's main campus in Blacksburg includes over 210 buildings on 2,600 acres (1,052 hectares), an airport, top-rated athletic facilities, the Moss Arts Center, and an adjacent research park.

The unique pairing of a large research university and a small town creates a special experience. With abundant leisure activities, a reasonable cost of living, a moderate climate, and award-winning services, Blacksburg is known nationwide as a well-managed, forward-looking community.

The university is among the top 10 safest campuses in the country. The nationally accredited Virginia Tech Police Department operates 24 hours a day and provides full police service to the university community.

Public bus service is available across campus and around town.

Virginia Tech is a welcoming campus for students, faculty, and visitors from around the world. We take seriously the charge to create and nurture an open, inclusive environment. Through conversation and engagement with others, we can learn to value the identity and individuality of each person around us.

Our community has members from many different backgrounds and faith traditions. We offer a safe environment for students to practice or explore these faiths while promoting appreciation and respect for religious and spiritual diversity.

## DISTANCE TO MAJOR CITIES

- Atlanta: 640 km. or 410 mi.
- Boston: 1,100 km. or 710 mi.
- Charlotte, N.C.: 270 km. or 173 mi.
- Miami: 1,450 km. or 901 mi.
- New York: 780 km. or 490 mi.
- Philadelphia: 660 km. or 426 mi.
- Raleigh, N.C.: 320 km. or 228 mi.
- Washington, D.C.: 420 km. or 269 mi.

# HOUSING + DINING

## LIVING-LEARNING COMMUNITIES

Living-learning communities provide students with the opportunity to thrive in and out of the classroom in an environment that becomes home. They connect your academic and co-curricular experiences to create a supportive, dynamic learning environment that becomes home.

Learn more at [llc.vt.edu](http://llc.vt.edu).

## OFF-CAMPUS HOUSING

There are lots of housing opportunities off campus. Blacksburg has apartments, townhomes, rental homes, and homestay options available. Go to [techoffcampus.com](http://techoffcampus.com) to view apartments and townhomes and find roommates.

## CAMPUS DINING

Virginia Tech dining consistently ranks among the top in the country. It's so popular that many students who live off campus purchase dining plans. With 11 different dining centers around campus, plus a few food trucks, we have something for everyone. [dining.vt.edu](http://dining.vt.edu)

## DINING AWARDS & HONORS

- No. 2, Best Campus Food 2020, *Niche*
- No. 5, Best Campus Food, "Best of 384 Colleges: 2020 Edition," *The Princeton Review*
- No. 1, Best Campus Food, *Niche*
- Winner, 2019 Food Management Menu Madness Tournament, *Food Management*
- No. 1, Sales Volume College and University, *Freshens*



## UNDERGRADUATE DEADLINES

### EARLY DECISION (BINDING):

Apply by November 1

### EARLY ACTION:

Apply by December 1

### REGULAR DECISION:

Apply by January 15

### SUMMER/FALL TRANSFER:

Apply by March 1



## TUITION + COST

### ADVANTAGE VT

*Per semester*

TUITION AND FEES: \$20,438

LIVING EXPENSES: \$6,700

HEALTH INSURANCE: \$1,260

**TOTAL: \$28,398**

[lci.vt.edu/avtcost](http://lci.vt.edu/avtcost)

### UNDERGRADUATE

*Per year*

TUITION AND FEES: \$33,380

ROOM AND BOARD: \$9,460

OTHER EXPENSES: \$6,025

**TOTAL: \$48,865**

[www.vt.edu/admissions/undergraduate/cost](http://www.vt.edu/admissions/undergraduate/cost)

### GRADUATE

*Per year*

TUITION AND FEES: \$29,200

ROOM AND BOARD: \$10,200

OTHER EXPENSES: \$5,200

**TOTAL: \$44,600**

[graduateschool.vt.edu/student-life/immigration-services/new-student-guide/financial-requirements](http://graduateschool.vt.edu/student-life/immigration-services/new-student-guide/financial-requirements)

In addition to the tuition and fees described above, various departmental, course, and lab fees may be assessed depending on the course(s) in which a student is enrolled. Living expenses are estimates only.

# ADVANTAGE VT PATHWAY PROGRAM

EARN 15-18 CREDITS THAT COUNT  
TOWARD THE COMPLETION  
OF YOUR DEGREE PROGRAM!

## EARN CREDIT WHILE IMPROVING YOUR ENGLISH AND ACADEMIC SKILLS

The AdvantageVT pathway program combines intensive academic skills training and university coursework. It is designed to jump-start your journey toward a bachelor's degree at Virginia Tech.

## APPLICATION DEADLINES

Fall semester: **July 10**

Spring semester: **November 15**

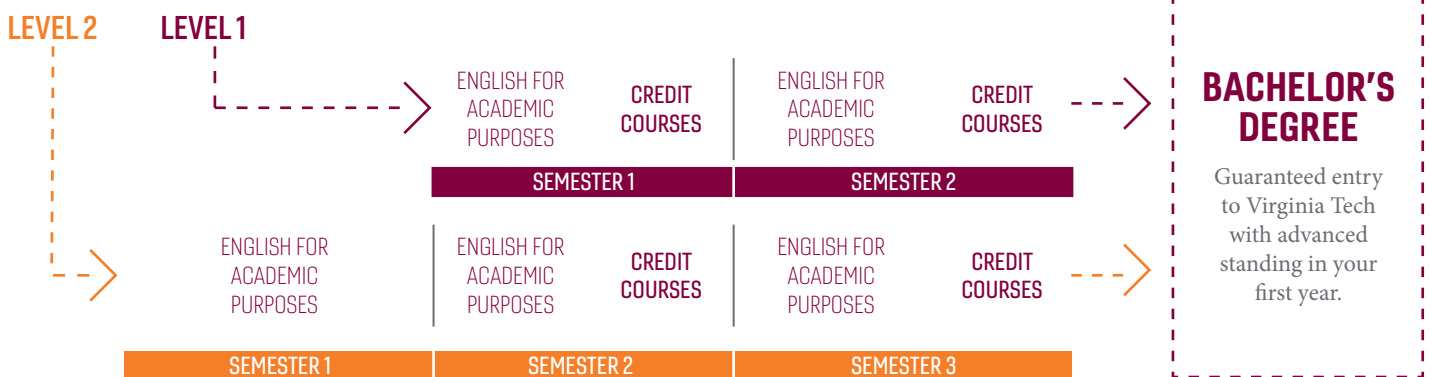
Summer semester: **March 15**

Rolling admission, with most decisions in 3-5 business days.

## PROGRAM FEATURES

- Intensive academic preparation.
- Integration into American university culture.
- Three tracks: **Business, Engineering, and Science.**
- Two levels, based on your English proficiency.
- Three entry dates per year – spring, fall, and summer.
- Guaranteed entry to Virginia Tech with no exit TOEFL required.

## ADVANTAGE VT BUSINESS, ENGINEERING, OR SCIENCE PATHWAYS



### LEVEL 1

This two-semester program offers a balance of for-credit courses and English for Academic Purposes classes. It is for students with advanced English proficiency.

- TOEFL iBT 74
- IELTS 6.0 (with no subsection less than 6.0)
- PTE 50

### LEVEL 2

Our three-semester program is for students who want a complete university preparation experience, with a special focus on intensive English language skills.

- TOEFL iBT 60
- IELTS 5.5 (with no subsection less than 5.5)
- PTE 44



APPLY TODAY: [LCI.VT.EDU/APPLY](http://LCI.VT.EDU/APPLY)

MORE INFO: [LCI.VT.EDU/ADVANTAGEVT](http://LCI.VT.EDU/ADVANTAGEVT)

## MAJORS

### BUSINESS PATHWAY

Accounting and Information Systems

Business Information Technology

Finance, Insurance and Business Law

Hospitality and Tourism Management

Management

Marketing Management

Real Estate

### ENGINEERING PATHWAY

Aerospace Engineering

Biological Systems Engineering

Biomedical Engineering

Chemical Engineering

Chip Scale Integration

Civil Engineering

Communications and Networking

Computer Engineering

Computer Science

Construction Engineering and Management

Controls, Robotics, and Autonomy

Electrical Engineering

Energy and Power

Electronics Systems

Engineering Science and Mechanics

Industrial and Systems Engineering

Machine Learning

Materials Science and Engineering

Mechanical Engineering

Micro/Nano Systems

Mining Engineering

Networking and Cybersecurity

Ocean Engineering

Photonics

Radio Frequency and Microwave

Space Systems

Software Systems

### SCIENCE PATHWAY

Biochemistry

Biological Sciences

Chemistry

Clinical Neuroscience

Cognitive and Behavioral Neuroscience

Computational and Systems Neuroscience

Computational Modeling and Data Analytics

Economics

Experimental Neuroscience

Geosciences

Mathematics

Medicinal Chemistry

Microbiology

Nanoscience

Physics

Polymer Chemistry

Psychology

Statistics

Systems Biology



**NO SAT,  
NO EXIT TOEFL!**

# OTHER PATHS TO VIRGINIA TECH

*If you want to improve your language skills in a university setting:*

## INTENSIVE ENGLISH PROGRAM

[lci.vt.edu/iep](http://lci.vt.edu/iep)



There is no better way to improve your English language skills and experience American culture than through the Language and Culture Institute's Intensive English Program. Whether you want to prepare for university study in the U.S. or simply enhance your language skills for work or pleasure, the LCI will help you reach your goals.

### INTENSIVE ENGLISH PROGRAM:

- Full-time, noncredit academic program
- Six start dates, in the fall, spring, and summer
- 10 levels of instruction, from beginning to advanced
- Advanced computer-assisted learning center
- TOEFL iBT preparation classes offered each term
- All faculty have master's degrees or doctorates and certificates of advanced study

Intensive English Program Calendar

TERM	START	END
Spring I 2020	January 13	March 6
Spring II 2020	March 16	May 15
Summer I 2020	May 25	July 3
Summer II 2020	July 6	August 14
Fall I 2020	August 24	October 16
Fall II 2020	October 19	December 18

Intensive English Program Estimated Expenses

TERM	TUITION & FEES
8-week term	\$8,639
Fall semester (2 terms)	\$16,018
Fall & spring semesters (4 terms)	\$32,685
6-week summer term	\$8,049

\* Prices and dates are subject to change.

*If you have lower English skills but wish to enter Virginia Tech as an undergraduate:*

## CONDITIONAL ADMISSION

[lci.vt.edu/cap](http://lci.vt.edu/cap)

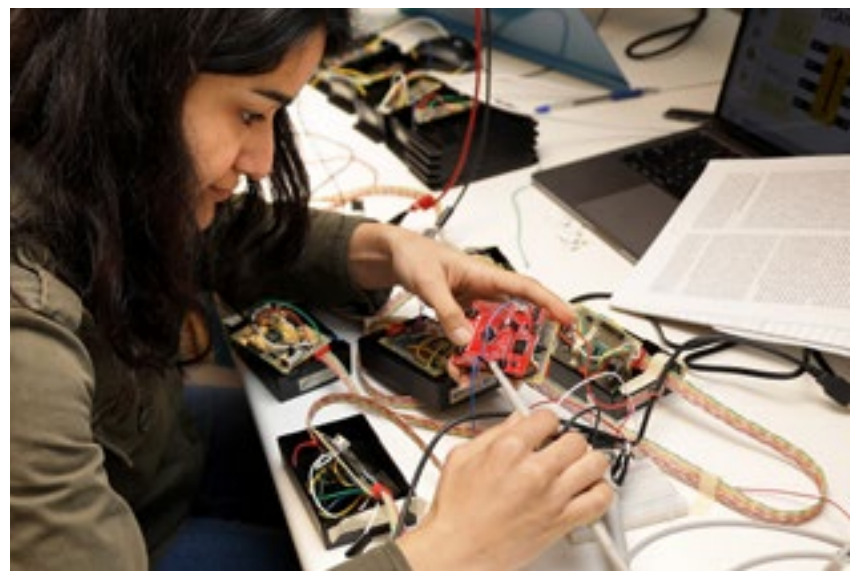


For prospective undergraduate students who meet all university admission requirements except language test score requirements. Open to all programs of study except design majors. Applicants are conditionally admitted based upon an evaluation of their high school records.

Participants work toward meeting admission requirements while studying at the Language and Culture Institute. When conditional requirements are met, you will be transferred into the undergraduate program.

### ELIGIBILITY:

- The most competitive applicants present a high school equivalent grade-point average of at least 3.5 on a 4.0 scale (88%) for engineering majors and at least 3.0 on a 4.0 scale (75%) for other majors.
- Transfer students from U.S. or foreign universities or from U.S.-based English programs are ineligible.
- You must be 17 years old or older at the time you begin intensive English studies.



*If you meet the minimum requirements for English proficiency, you are eligible to apply directly to the undergraduate program:*

## DIRECT UNDERGRADUATE ADMISSION

[admissions.vt.edu](http://admissions.vt.edu)



There are several deadlines from which to choose when submitting your application.

	Deadline	All materials due
Early Decision	Nov. 1	Nov. 15
Early Action	Dec. 1	Jan. 15
Regular Decision	Jan. 15	Feb. 1
Transfer	March 1	March 15

To have your IELTS/TOEFL/PTE score automatically sent to Virginia Tech, please specify Virginia Tech's CEEB code (5859) on the test form.

## ENGLISH LANGUAGE REQUIREMENTS

International students whose native language is not English must document proficiency in the English language by submitting either an IELTS, TOEFL, or PTE score.

IELTS: At least 6.5, with no subscore below 6.5

TOEFL: At least 80, with no section subscore below 16

PTE: At least 53

## OTHER REQUIREMENTS

As for the SAT, please note that for international students we are a test-optional university. In addition, we have an optional interview opportunity through InitialView.

## ADVANCED PLACEMENT, INTERNATIONAL BACCALAUREATE, CAMBRIDGE EXAM, CLEP, AND DUAL ENROLLMENT

We award AP, IB, CLEP, and Cambridge Exam equivalencies after faculty review of content and applicable Virginia Tech credit.

[registrar.vt.edu/](http://registrar.vt.edu/)

[registration-multi-brief/](#)

[ap-ib-clep-credit.html](#)

*If you already have a baccalaureate degree and required TOEFL or IELTS scores:*

## GRADUATE ADMISSION

[graduateschool.vt.edu](http://graduateschool.vt.edu)



We encourage applicants to submit their complete online applications, including supplemental materials, early to allow sufficient time for applications processing. International applicants must submit their applications no later than April 1 for fall semester or September 1 for spring semester.

GRE (Graduate Record Examination) or GMAT (Graduate Management Admission Test) requirements vary by department.

TOEFL scores are required of all international students whose first language is not English, except those applicants who have graduated from an accredited university where English is the language of instruction. The Graduate School expects a minimum TOEFL score of 90 (IBT) for admission. Further, TOEFL scores of 20 or greater in Listening, Writing, Speaking, and Reading subsections are required. Some departments may require higher minimum scores.

IELTS is accepted. A 6.5 minimum is required to apply.

*Official test scores should be sent to the Virginia Tech Graduate School, institution code 5859.*

English language test scores are not required of U.S. permanent residents and U.S. naturalized citizens.

## HOW TO APPLY FOR DIRECT UNDERGRADUATE ADMISSION



Students applying as undergraduates to Virginia Tech should complete the application at [coalitionforcollegeaccess.org](http://coalitionforcollegeaccess.org). Students may start building a free profile at any time, and may use the information in this profile to start their application.

More about international applications is available at [vt.edu/admissions/international](http://vt.edu/admissions/international).

# UNDERGRADUATE MAJORS

With more than 150 majors and options to choose from, you'll experience a matchless education at Virginia Tech.

## ARTS, DESIGN, & PERFORMANCE

Agricultural Technology  
 Architecture  
 Art History  
 Cinema  
 Communication Science and Social Inquiry  
 Creative Technologies  
 Creative Writing  
 English  
 Art (Fine Art)  
 Interior Design  
 Landscape Architecture  
 Landscape Horticulture and Design  
 Literature and Language  
 Multimedia Journalism  
 Music  
 Packaging Systems and Design  
 Residential Environments and Design  
 Studio Art  
 Theatre Arts

## BUSINESS & ADMINISTRATION

Accounting and Information Systems  
 Agribusiness  
 Agricultural Technology  
 Applied Economic Management  
 Architecture  
 Building Construction  
 Business Information Technology  
 Communication Science and Social Inquiry  
 Computer Engineering  
 Computer Science  
 Construction Engineering and Management  
 Consumer Studies  
 Economics  
 Environmental Policy and Planning  
 Family and Consumer Sciences  
 Fashion Merchandising and Design  
 Finance  
 Forestry  
 French  
 German  
 Hospitality and Tourism Management  
 Industrial and Systems Engineering  
 Industrial Design  
 International Studies  
 Management  
 Marketing Management  
 Networking and Cybersecurity  
 Packaging Systems and Design  
 Philosophy, Politics, and Economics  
 Political Science  
 Professional and Technical Writing  
 Property Management  
 Public Health  
 Public Relations  
 Real Estate  
 Russian  
 Spanish  
 Sports Media and Analytics  
 Statistics  
 Sustainable Biomaterials  
 Water: Resources, Policy, and Management

## COMMUNICATION & MEDIA COMMUNICATION

Art History  
 Cinema

Communication Science and Social Inquiry  
 Creative Technologies  
 Creative Writing  
 English  
 Art (Fine Art)  
 Literature and Language  
 Marketing Management  
 Multimedia Journalism  
 Packaging Systems and Design  
 Philosophy, Politics, and Economics  
 Photonics  
 Professional and Technical Writing  
 Public Relations  
 Radio Frequency and Microwave  
 Religion and Culture  
 Sports Media and Analytics  
 Studio Art

## COMPUTING & MATHEMATICS

Accounting and Information Systems  
 Business Information Technology  
 Chemical Engineering  
 Chip Scale Integration  
 Civil Engineering  
 Computational and Systems Neuroscience  
 Computational Modeling and Data Analytics  
 Computer Engineering  
 Computer Science  
 Controls, Robotics, and Autonomy  
 Economics  
 Environmental Informatics  
 Energy and Power Electronics Systems  
 Finance  
 Geography  
 Machine Learning  
 Mathematics  
 Mechanical Engineering  
 Meteorology  
 Micro/Nano Systems  
 Nanoscience  
 Networking and Cybersecurity  
 Philosophy, Politics, and Economics  
 Photonics  
 Radio Frequency and Microwave  
 Software Systems  
 Space Systems  
 Statistics  
 Systems Biology

## EDUCATION & TEACHING

Agricultural Sciences  
 Art History  
 Biochemistry  
 Biological Sciences (Biology)  
 Biological Systems Engineering  
 Business Information Technology  
 Chemical Engineering  
 Chemistry  
 Childhood Pre-Education  
 Classical Studies  
 Clinical Neuroscience  
 Cognitive and Behavioral Neuroscience  
 Communication Science and Social Inquiry  
 Computational and Systems Neuroscience  
 Computer Science  
 English

Experimental Neuroscience  
 Family and Consumer Sciences  
 French  
 Geography  
 Geosciences  
 German  
 History  
 Human Development  
 Industrial Design  
 International Studies  
 Literature and Language  
 Marketing Management  
 Mathematics  
 Medicinal Chemistry  
 Music  
 Nanomedicine  
 Nanoscience  
 Philosophy  
 Physics  
 Political Science  
 Polymer Chemistry  
 Pre-Education  
 Religion and Culture  
 Russian  
 Sociology  
 Spanish  
 Studio Art  
 Theatre Arts

## ENGINEERING & TECHNOLOGY

Aerospace Engineering  
 Agricultural Technology  
 Biological Systems Engineering  
 Biomedical Engineering  
 Building Construction  
 Business Information Technology  
 Chemical Engineering  
 Chip Scale Integration  
 Cinema  
 Civil Engineering  
 Clinical Neuroscience  
 Cognitive and Behavioral Neuroscience  
 Communications and Networking  
 Computational and Systems Neuroscience  
 Computational Modeling and Data Analytics  
 Computer Engineering  
 Computer Science  
 Construction Engineering and Management  
 Controls, Robotics, and Autonomy  
 Creative Technologies  
 Electrical Engineering  
 Energy and Power Electronics Systems  
 Engineering Science and Mechanics  
 Environmental Informatics  
 Experimental Neuroscience  
 Food Science and Technology  
 Forestry  
 Industrial and Systems Engineering  
 Industrial Design  
 Interior Design  
 Machine Learning  
 Materials Science and Engineering  
 Mechanical Engineering  
 Meteorology  
 Micro/Nano Systems  
 Mining Engineering  
 Multimedia Journalism  
 Nanoscience

Networking and Cybersecurity  
 Ocean Engineering  
 Packaging Systems and Design  
 Philosophy, Politics, and Economics  
 Photonics  
 Professional and Technical Writing  
 Radio Frequency and Microwave  
 Residential Environments and Design  
 Software Systems  
 Space Systems  
 Sustainable Biomaterials  
 Systems Biology

## GLOBAL, GOVERNMENT, & ETHNIC STUDIES

Applied Economic Management  
 Classical Studies  
 Criminology  
 Economics  
 Environmental Policy and Planning  
 French  
 Geography  
 German  
 History  
 International Public Policy  
 International Relations  
 International Studies  
 Literature and Language  
 National Security and Foreign Affairs  
 Philosophy, Politics, and Economics  
 Public Health  
 Public and Urban Affairs  
 Religion and Culture  
 Russian  
 Smart and Sustainable Cities  
 Sociology  
 Spanish  
 Water: Resources, Policy, and Management

## HEALTH & WELLNESS

Animal and Poultry Sciences  
 Biochemistry  
 Biological Sciences (Biology)  
 Biological Systems Engineering  
 Biomedical Engineering  
 Chemistry  
 Clinical Neuroscience  
 Cognitive and Behavioral Neuroscience  
 Computational and Systems Neuroscience  
 Crop and Soil Sciences  
 Dairy Science  
 Environmental Conservation and Society  
 Environmental Horticulture  
 Environmental Science  
 Experimental Neuroscience  
 Family and Consumer Sciences  
 Food Science and Technology  
 Geography  
 Human Development  
 Human Nutrition, Foods and Exercise  
 International Public Policy  
 Medicinal Chemistry  
 Microbiology  
 Nanomedicine  
 Nanoscience  
 Philosophy  
 Polymer Chemistry  
 Psychology  
 Public Health

The Virginia Tech educational experience is cooperative and hands-on, inside and outside the classroom. We create an environment that fosters experimentation and innovation. Our emphasis on applying technology to every discipline creates confident and adaptable learners. This approach develops the knowledge and skills that our students need as they enter graduate school and their careers.

## CONTROLS, ROBOTICS & AUTONOMY

This field goes above and beyond robots – it seeks new ways to interact with the world, interpret information, regulate processes, and teach systems how to make autonomous decisions. Our engineers work on aerial vehicles, vehicular networks, autonomous decision-making, autonomous teams and swarms, human-robot interaction, and other projects.

## COMPUTATIONAL MODELING & DATA ANALYSIS

Prepare for a career in big data by learning to model the world and discover hidden patterns in massive data sets. Our program



focuses on extracting information from large data sets, as well as analyzing and solving problems by modeling, simulation, and optimization, drawing on the computational skills that make solving the complex problems of the 21st century possible.

## HOSPITALITY & TOURISM MANAGEMENT

This globally ranked program

prepares in-demand graduates for management positions in the hospitality and tourism industry. Students get hands-on experience through internships, field studies, experienced faculty, and frequent interaction with industry experts.

## NANOSCIENCE

Nanoscience and nanotechnology have rapidly growing applications in areas such as electronics, information technology, medicine, renewable energy, aerospace, and advanced materials. Our graduates are ready to attend the most competitive graduate programs, join cutting-edge corporate R&D, and create their own startup companies.

## SPACE SYSTEMS

Space systems engineers design, build, and test systems to withstand harsh and uncertain conditions of space and the near-Earth environment. This includes flight computers, power systems, communications, attitude determination and control, and instrumentation.

Smart and Sustainable Cities  
Sociology  
Sustainable Biomaterials  
Systems Biology  
Water: Resources, Policy, and Management

### LAW & JUSTICE

Agribusiness  
Applied Economic Management  
Cognitive and Behavioral Neuroscience  
Communication Science and Social Inquiry  
Creative Writing  
Criminology  
Economics  
Environmental Conservation and Society  
Environmental Policy and Planning  
Environmental Resources Management  
Geography  
Human Development  
International Public Policy  
Philosophy  
Philosophy, Politics, and Economics  
Professional and Technical Writing  
Psychology  
Religion and Culture  
Sociology  
Statistics  
Water: Resources, Policy, and Management

### PHYSICAL SCIENCES

Aerospace Engineering  
Animal and Poultry Sciences  
Biochemistry  
Biological Sciences (Biology)  
Chemical Engineering  
Chemistry  
Clinical Neuroscience  
Computational and Systems Neuroscience  
Experimental Neuroscience  
Geography  
Geosciences  
Medicinal Chemistry  
Meteorology  
Microbiology  
Nanoscience  
Packaging Systems and Design  
Physics  
Polymer Chemistry  
Space Systems  
Sustainable Biomaterials  
Systems Biology  
Water: Resources, Policy, and Management

### PUBLIC & SOCIAL SERVICES

Childhood Pre-Education  
Cognitive and Behavioral Neuroscience  
Communication Science and Social Inquiry  
Computational and Systems Neuroscience  
Consumer Studies  
Criminology

Environmental Policy and Planning  
Family and Consumer Sciences  
Geography  
Hospitality and Tourism Management  
Human Development  
Humanities for Public Service  
International Public Policy  
International Relations  
International Studies  
National Security and Foreign Affairs  
Natural Resources Conservation  
Philosophy  
Philosophy, Politics, and Economics  
Political Science  
Public and Urban Affairs  
Public Health  
Public Relations  
Religion and Culture  
Smart and Sustainable Cities  
Sociology

### SUSTAINABILITY, ENVIRONMENTAL, & NATURAL SCIENCES

Agribusiness  
Agricultural Technology  
Animal and Poultry Sciences  
Applied Economic Management  
Biological Sciences (Biology)  
Chemical Engineering  
Civil Engineering  
Crop and Soil Sciences  
Dairy Science  
Environmental Conservation and Society  
Environmental Horticulture

Environmental Informatics  
Environmental Policy and Planning  
Environmental Resources Management  
Environmental Science  
Fish Conservation  
Forestry  
Geography  
Geosciences  
Meteorology  
Mining Engineering  
Nanomedicine  
Nanoscience  
Natural Resources Conservation  
Packaging Systems and Design  
Philosophy, Politics, and Economics  
Public and Urban Affairs  
Public Health  
Smart and Sustainable Cities  
Sustainable Biomaterials  
Water: Resources, Policy, and Management  
Wildlife Conservation

### UNDECIDED

Business (undecided)  
Explore Science (undecided)  
Explore Technology (undecided)  
Exploring Architecture and Urban Studies (undecided)  
Exploring Life Sciences (undecided)  
Exploring Natural Resources (undecided)  
Liberal Arts and Human Sciences (undecided)  
University Studies (undecided)

# GRADUATE DEGREES + PROGRAMS

	LOCATION	MASTER'S	DOCTORATE	COMBINED		LOCATION	MASTER'S	DOCTORATE	COMBINED
Aerospace Engineering	B	•	•		Environmental Sciences and Engineering	B,W	•		
Agricultural and Applied Economics	B	•	•		Fisheries and Wildlife Sciences	B	•	•	
Agriculture, Leadership, and Community Education	B	•	•		Food Science and Technology	B	•	•	
Alliance for Social, Political, Ethical, and Cultural Thought	B		•		Foreign Languages, Cultures, and Literatures	B	•		
Animal and Poultry Sciences	B	•	•		Forest Products	B	•	•	
Architecture	B,W	•			Forestry	B	•	•	
Architecture and Design Research	B,W		•		Genetics, Bioinformatics, and Computational Biology	B		•	
Bio-Inspired Buildings	B		•		Geography	B	•	•	
Biochemistry	B	•	•		Geosciences	B	•	•	
Biological Sciences	B	•	•		Geospatial and Environmental Analysis	B		•	
Biological Systems Engineering	B	•	•		Government and International Affairs	B,W	•		
Biological Transport	B		•		History	B	•		
Biomedical Engineering	B	•	•	•	Horticulture	B	•	•	
Biomedical Technology Development and Management	W	•			Human Centered Design	B		•	
Biomedical and Veterinary Sciences	B	•	•		Human Development	B,W	•	•	
Building Construction Science and Management	B	•			Human Nutrition, Foods, and Exercise	B	•	•	
Business, Accounting and Information Systems	B	•	•		Individual Interdisciplinary Ph.D.	B		•	
Business Administration	W	•			Industrial Systems Engineering	B,W	•	•	
Business, Executive Business Research	W		•		Interfaces of Global Change	B		•	
Business, Information Technology	B		•		Landscape Architecture	B,W	•	•	
Business, Finance	B	•	•		Macromolecular Science and Engineering	B	•	•	
Business, Hospitality and Tourism Management	B,W	•	•		Material Culture & Public Humanities	B	•		
Business, Management	B		•		Material Science and Engineering	B	•	•	
Business, Marketing	B	•	•		Mathematics	B	•	•	
Chemical Engineering	B	•	•		Mechanical Engineering	B,W	•	•	
Chemistry	B	•	•		Mining Engineering	B	•	•	
Civil Engineering	B	•	•		Natural Resources	W	•		
Communication	B	•			Nuclear Engineering	B,W	•	•	
Computational Tissue Engineering	B		•		Ocean Engineering	B	•		
Computer Engineering	B	•	•		Philosophy	B	•		
Computer Science & Applications	B,W	•	•		Physics	B	•	•	
Creative Technologies	B	•			Planning, Governance, and Globalization	B,W		•	
Creative Writing	B	•			Plant Pathology, Physiology, and Weed Science	B	•	•	
Crop and Soil Environmental Sciences	B	•	•		Political Science	B,D	•		
Dairy Science	B	•	•		Psychology	B	•	•	•
Data Analysis and Applied Statistics	B	•			Public Administration and Public Affairs	B,W	•	•	
Disaster Resilience	B		•		Public Health	B	•		
Economics, Sciences	B		•		Regenerative Medicine	B		•	
Education, Career and Technical Education	B	•	•		Remote Sensing	B		•	
Education, Counselor Education	B,W	•	•		Rhetoric and Writing	B		•	
Education, Curriculum and Instruction	B	•	•		Science and Technology Studies	B,W	•	•	
Education, Education Leadership and Policy Studies	B,W	•	•		Sociology	B	•	•	
Education, Education Research, Evaluation	B	•	•		Statistics	B	•	•	
Education, Higher Education	B	•	•		Sustainable Nanotechnologies	B		•	
Electrical Engineering	B,W	•	•		Theatre Arts	B	•		
Engineering Education	B		•		Translational Biology, Medicine, and Health	B	•	•	
Engineering Mechanics	B	•	•		Translational Obesity Research	B		•	
English	B	•			Translational Plant Science	B	•	•	
Entomology	B	•	•		Urban and Regional Planning	B,W	•		
Environmental Design and Planning	B		•		Water INTERface: Interdisciplinary Research Transcending Boundaries of Engineering, Science, and Human Health	B,W		•	
Environmental Engineering	B,W	•							

[graduateschool.vt.edu/academics/programs](http://graduateschool.vt.edu/academics/programs)

## COMBINED DEGREES:

■ In addition to the regular M.S. and Ph.D.'s in biomedical engineering, two combination or collaborative degree programs; the M.D./Ph.D. and the D.V.M./Ph.D., are also available.  
 ■ Psychology students earn an M.S. en route to the Ph.D., but the department does not offer a terminal M.S.

## LOCATIONS:

B – Blacksburg  
 W – Washington, D.C. area



## VISIT US AT THE WORLD'S FAIR

After being named the world's best solar home, Virginia Tech's FutureHAUS is returning to the world stage at Expo 2020 Dubai.

Built by an interdisciplinary team of more than 100 students and faculty, FutureHAUS earned a first-place victory over more than 60 entrants of the 2018 Solar Decathlon Middle East. The global competition aimed to accelerate research on building sustainable, grid-connected solar homes.

Showcasing the latest sustainable materials and building practices, the 900-square-foot FutureHAUS is energy positive, creating far more power than it could need in an average day. All that solar power means it can support its dozens of "smart" features, such as a bathroom mirror that displays news updates and a movie screen projected on the shower wall.

From October 2020 to April 2021, the home will be featured at



**EXPO  
2020  
DUBAI  
UAE**



**futureHAUS™**  
Virginia Tech Center for Design Research

Expo 2020 Dubai. This is the first world's fair to take place in the Middle East, Africa, or South Asia. It aims to celebrate human brilliance and achievement under the theme of "Connecting Minds, Creating the Future." More than 25 million visitors are expected during the six-month expo.

A staggering 192 countries will take part in Expo 2020, and every country will have its own pavilion for the first time in the 168-year history of World Expos, each with a unique design, theme and visitor experience.

Come tour FutureHAUS and see how Virginia Tech can help you claim your role in the world.

[www.futurehaus.tech](http://www.futurehaus.tech)





## IMMIGRATION

Virginia Tech is authorized by the Department of Homeland Security to issue visa eligibility forms (I-20 and DS-2019) for admitted students who will need F-1 or J-1 visas. For all questions, contact:

### Undergraduate students

Cranwell International Center  
[international.vt.edu/immigration/students.html](http://international.vt.edu/immigration/students.html)

### Graduate students

International Graduate Student Services  
[graduateschool.vt.edu/student-life/immigration-services.html](http://graduateschool.vt.edu/student-life/immigration-services.html)

### Language and Culture Institute and AdvantageVT students

[lci.vt.edu/visa-information](http://lci.vt.edu/visa-information)

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### Language and Culture Institute

*AdvantageVT Pathway Program,  
Intensive English, Conditional Admission*  
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Blacksburg, VA 24061  
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### Undergraduate Admissions

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### Graduate Admissions

115 Otey St., Graduate School,  
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[graduateschool.vt.edu/admissions.html](http://graduateschool.vt.edu/admissions.html)

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