

2022-23 UNDERGRADUATE AND GRADUATE DEGREE PROGRAMS

Updated August 2022

UNDERGRADUATE DEGREES AND MAJORS

| College | Degree | Majors | AdvantageVT Pathway ¹ | DHS STEM- Approved ² |
|--|---|---|-------------------------------------|------------------------------------|
| Agriculture and Life Sciences | Agribusiness | Agribusiness: Agribusiness Management; | | |
| | | Veterinary Business Management | | |
| Agriculture and Life Sciences | Agricultural Sciences | Agricultural Sciences: Community Leadership & | | |
| Aguiaultura and Life Caioneae | Agricultural Tachnology | Development; Teaching and Learning | | |
| Agriculture and Life Sciences | Agricultural Technology | Agricultural Technology: Applied Agricultural Management; Landscape and Turf Management | | |
| Agriculture and Life Sciences | Animal and Poultry Sciences | Animal and Poultry Sciences: Pre-Vet; Production | | |
| 6 | ,,, | Business; Science; Applied Agricultural | | • |
| | | Management | | |
| Agriculture and Life Sciences | Biochemistry | Biochemistry | | • |
| Agriculture and Life Sciences | Community Economic Development | Community Economic Development | | |
| Agriculture and Life Sciences | Crop and Soil Sciences | Crop and Soil Sciences: Agronomy; Crop Genetics and Breeding; International Agriculture; Turfgrass Management | | • |
| Agriculture and Life Sciences | Dairy Science | Dairy Science: Dairy Business Management; Dual Emphasis; Science/Prevet | | • |
| Agriculture and Life Sciences | Ecological Restoration | Ecological Restoration | | |
| Agriculture and Life Sciences | Environmental Economics, Management, and Policy | | | |
| Agriculture and Life Sciences | Environmental Horticulture | Environmental Horticulture | | • |
| Agriculture and Life Sciences | Environmental Science | Environmental Science | | • |
| Agriculture and Life Sciences | Food and Health Systems Economics | Food and Health Systems Economics | | |
| Agriculture and Life Sciences | Food Science and Technology | Food Science and Technology: Food Business; Food | | |
| | | and Health; Food & Beverage Fermentation; | | • |
| | | Science Concentration | | |
| Agriculture and Life Sciences | Human Nutrition, Foods and Exercise | Human Nutrition, Foods and Exercise: Dietetics; Science of Food, Nutrition and Exercise | | |
| Agriculture and Life Sciences | International Trade and Development | International Trade and Development | | |
| Agriculture and Life Sciences | Landscape Design and Turfgrass Science | Landscape Design and Turfgrass Science | | |
| Agriculture and Life Sciences | Landscape Horticulture and Design | Landscape Horticulture and Design | | |
| Agriculture and Life Sciences | Plant Science | Plant Science | | |
| Agriculture and Life Sciences | Undecided | Exploring Life Sciences | | |
| Architecture, Arts and Design | Architecture | Architecture (5 year program) | | |
| Architecture, Arts and Design | Art, B.A. | Art, B.A.: Art History | | |
| Architecture, Arts and Design | Building Construction | Building Construction | | |
| Architecture, Arts and Design | Creative Technologies | Creative Technologies | | |
| Architecture, Arts and Design | Environmental Policy and Planning, B.A.P.U.A | Environmental Policy and Planning, B.A.P.U.A | | |
| Architecture, Arts and Design | Graphic Design | Graphic Design | | |
| Architecture, Arts and Design | Industrial Design | Industrial Design | | |
| Architecture, Arts and Design | Interior Design | Interior Design | | |
| Architecture, Arts and Design Architecture, Arts and Design | Landscape Architecture Public and Urban Affairs | Landscape Architecture | | |
| Architecture, Arts and Design | Public and Orban Allairs | Public and Urban Affairs: Environmental Affairs; Global Development; Public and Nonprofit | | |
| | | Management; Public Policy; Urbanization: | | |
| A selection of the self-basis | Country of Control of Cities | Planning and Policy | | |
| Architecture, Arts and Design | Smart and Sustainable Cities | Smart and Sustainable Cities | | |
| Architecture, Arts and Design Architecture, Arts and Design | Studio Art Undecided | Studio Art Exploring Architecture and Urban Studies | | |
| Business | Accounting and Information Systems | Accounting and Information Systems: Accounting; | | |
| | | Accounting Information Systems Audit | • | |
| Business | Business Information Technology | Business Information Technology: Cybersecurity | | |
| | | Management and Analytics; Computer-Based | • | • |
| | | Decision Support Systems; Operations and Supply Chain Management | | |
| Business | Commercial Development and Investment | Commercial Development and Investment | • | |
| Business | Cyber | Cyber (Northern Virginia Campus Only) | • | |
| Business | Finance | Finance: Certified Financial Planner; Corporate | | |
| | | Financial Management; Financial Accounting; | | |
| | | FinTech; Investment Management and Chartered | • | |
| | | Financial Analyst; Real Estate Finance; Risk | | |
| | | Management and Banking | | |

¹AdvantageVT pathway program available for qualified applicants.

²Students taking the STEM degrees indicated qualify for a 24-month extension of their post-completion optional practical training (OPT).

UNDERGRADUATE DEGREES AND MAJORS (continued)

| College | Degree | Majors | AdvantageVT Pathway ¹ | DHS STEM- Approved ² |
|---------------------------------|---|---|-------------------------------------|------------------------------------|
| Business | Financial Planning and Wealth Management | Financial Planning and Wealth Management | • | |
| Business | FinTech and Big Data Analytics | FinTech and Big Data Analytics | • | |
| Business | Hospitality and Tourism Management | Hospitality and Tourism Management | • | |
| Business | Management | Management: Entrepreneurship, Innovation & | | |
| | | Technology Management; Human Resource | | |
| | | Management; Management Consulting and Analysis | · | |
| Business | Marketing Management | Marketing Management: Digital Marketing | | |
| - 40 | management | Strategy; Professional Sales | • | |
| Business | Residential Development and Investment | Residential Development and Investment | • | |
| Business | Undecided | Business | | |
| Engineering | Aerospace and Ocean Engineering | Aerospace and Ocean Engineering: Aerospace | | |
| | | Engineering; Ocean Engineering | • | • |
| Engineering | Biological Systems Engineering | Biological Systems Engineering | • | • |
| Engineering | Biomedical Engineering | Biomedical Engineering | • | • |
| Engineering | Chemical Engineering | Chemical Engineering | • | • |
| Engineering | Civil Engineering | Civil Engineering | • | • |
| Engineering | Computer Engineering | Computer Engineering: Chip Scale Integration; | | |
| | | Controls, Robotics, & Autonomy; Machine | | |
| | | Learning; Networking & Cybersecurity; Software | • | • |
| | | Systems | | |
| Engineering | Computer Science | Computer Science: Data-Centric Computing; Secure | | |
| | | Computing | • | • |
| Engineering | Construction Engineering and Management | Construction Engineering and Management | • | • |
| Engineering | Electrical Engineering | Electrical Engineering: Communications & | | |
| | | Networking; Controls, Robotics, & Autonomy; | | |
| | | Energy & Power Electronics Systems; Micro/Nano | • | • |
| | | Systems; Photonics; Radio Frequency and | | |
| | | Microwave; Space Systems | | |
| Engineering | Engineering Science and Mechanics | Engineering Science and Mechanics: Biomechanics; | • | |
| | | Engineering Physics | - | |
| Engineering | Industrial and Systems Engineering | Industrial and Systems Engineering | • | • |
| Engineering | Materials Science and Engineering | Materials Science and Engineering: Materials | • | • |
| | | Science and Engineering; Nuclear Materials | | |
| Engineering | Mechanical Engineering | Mechanical Engineering: Automotive Engineering; | | |
| | | Mechanical Engineering; Robotics and Mechatronics | • | • |
| Engineering | Mining Engineering | Mining Engineering | • | • |
| Engineering | Ocean Engineering | Ocean Engineering | • | • |
| Engineering | Undecided | General Engineering First Year | • | |
| Liberal Arts and Human Sciences | Advertising | Advertising | | |
| Liberal Arts and Human Sciences | Arabic | Arabic | | |
| Liberal Arts and Human Sciences | Career and Technical Education | Career and Technical Education: Business and | | |
| | | Information Technologies Education; Family and | | |
| | | Consumer Sciences Education; Marketing Education | | |
| | | , | | |
| Liberal Arts and Human Sciences | Career and Technical Education – Agricultural | Career and Technical Education – Agricultural | | |
| | Education | Education | | |
| Liberal Arts and Human Sciences | Childhood Pre-Education | Childhood Pre-Education | | |
| Liberal Arts and Human Sciences | Cinema | Cinema | | |
| Liberal Arts and Human Sciences | Classical Studies | Classical Studies | | |
| Liberal Arts and Human Sciences | Communication | Communication | | |
| Liberal Arts and Human Sciences | Consumer Studies | Consumer Studies | | |
| Liberal Arts and Human Sciences | Creative Writing | Creative Writing | | |
| Liberal Arts and Human Sciences | Criminology | Criminology | | |
| Liberal Arts and Human Sciences | Elementary Education (PK-6) | Elementary Education (PK-6) | | |
| Liberal Arts and Human Sciences | English | English: Literature; Pre-Education; Pre-Law | | |
| Liberal Arts and Human Sciences | English Language Arts Education | English Language Arts Education | | |
| Liberal Arts and Human Sciences | European & Transatlantic Studies | European & Transatlantic Studies | | |
| Liberal Arts and Human Sciences | Family and Consumer Sciences | Family and Consumer Sciences | | |
| Liberal Arts and Human Sciences | Fashion Merchandising and Design | Fashion Merchandising and Design | | |
| | | | | |

 $^{^1\!\}mbox{AdvantageVT}$ pathway program available for qualified applicants.

²Students taking the STEM degrees indicated qualify for a 24-month extension of their post-completion optional practical training (OPT).

UNDERGRADUATE DEGREES AND MAJORS (continued)

| College | Degree Majors | | AdvantageVT Pathway ¹ | DHS STEM- Approved ² |
|--|---------------------------------------|--|-------------------------------------|------------------------------------|
| Liberal Arts and Human Sciences | French | French | | |
| Liberal Arts and Human Sciences | German | German | | |
| Liberal Arts and Human Sciences | History | History | | |
| Liberal Arts and Human Sciences | History and Social Sciences Education | History and Social Sciences Education | | |
| Liberal Arts and Human Sciences | Human Development | Human Development | | |
| Liberal Arts and Human Sciences | Humanities for Public Service | Humanities for Public Service | | |
| Liberal Arts and Human Sciences | International Public Policy | International Public Policy | | |
| Liberal Arts and Human Sciences | International Relations | International Relations | | |
| Liberal Arts and Human Sciences | International Studies | International Studies | | |
| Liberal Arts and Human Sciences | Mathematics Education | Mathematics Education | | |
| Liberal Arts and Human Sciences | Multimedia Journalism | Multimedia Journalism: Sports Media and Analytics Concentration | | |
| Liberal Arts and Human Sciences | Music (audition required) | Music: Creative Technologies in Music; Composition; Music Education; Music Technology; Performance Liberal Arts; Performance Professional Instrumental; Performance Professional Vocal; Technology Liberal Arts; Technology Professional | | |
| Liberal Arts and Human Sciences | National Security and Foreign Affairs | National Security and Foreign Affairs | | |
| Liberal Arts and Human Sciences | Philosophy | Philosophy: Pre-Medical Professions Option | | |
| Liberal Arts and Human Sciences | Philosophy, Politics, and Economics | Philosophy, Politics, and Economics | | |
| Liberal Arts and Human Sciences | Political Science | Political Science: Legal Studies; National Security Studies; Political Theory | | |
| Liberal Arts and Human Sciences | Professional and Technical Writing | Professional and Technical Writing | | |
| Liberal Arts and Human Sciences | Property Management | Property Management | | |
| Liberal Arts and Human Sciences | Public Relations | Public Relations | | |
| Liberal Arts and Human Sciences | Religion & Culture | Religion & Culture | | |
| Liberal Arts and Human Sciences | Residential Environments & Design | Residential Environments & Design | | |
| Liberal Arts and Human Sciences | Russian | Russian | | |
| Liberal Arts and Human Sciences | Sociology | Sociology: Africana Studies; American Indian Studies; Social Inequality; Research Methods; Women's and Gender Studies | | |
| Liberal Arts and Human Sciences | Spanish | Spanish | | |
| Liberal Arts and Human Sciences | Sports Media and Analytics | Sports Media and Analytics | | |
| Liberal Arts and Human Sciences | Theatre Arts | Theatre Arts: Design; General Theatre; Performance | | |
| Liberal Arts and Human Sciences | Undecided | Liberal Arts and Human Sciences | | |
| Natural Resources and the Environment | Ecological Restoration | Ecological Restoration | | |
| Natural Resources and the | Environmental Conservation & Society | Environmental Conservation & Society: | | |
| Environment | | Environmental Education and Outreach; Leadership and Sustainability; Recreation and Tourism | | |
| Natural Resources and the Environment | Environmental Informatics | Management Environmental Informatics | | |
| Natural Resources and the | Environmental Resources Management | Environmental Resources Management | | |
| Environment | Environmental nesources ividiagement | Liviloilileittai Nesources Ivialiageilleitt | | |
| Natural Resources and the | Fish Conservation | Fish Conservation: Freshwater Fisheries | | |
| Environment | rish Conservation | Conservation; Human Dimensions; Marine Fisheries Conservation | | • |
| Natural Resources and the | Forestry | Forestry: Forest Operations and Business; Forest | | |
| Environment Environment | Totastry | Resource Management; Urban and Community Forestry | | |
| Natural Resources and the Environment | Geography | Geography | | |
| Natural Resources and the Environment | Meteorology | Meteorology | | • |
| Natural Resources and the Environment | Natural Resources Conservation | Natural Resources Conservation: Environment Conservation and Society; Conservation and Recreation Management | | |

¹AdvantageVT pathway program available for qualified applicants. ²Students taking the STEM degrees indicated qualify for a 24-month extension of their post-completion optional practical training (OPT).

UNDERGRADUATE DEGREES AND MAJORS (continued)

| College | Degree | Majors | AdvantageVT Pathway ¹ | DHS STEM- Approved ² |
|--|---|--|-------------------------------------|------------------------------------|
| Natural Resources and the Environment | Packaging Systems and Design | Packaging Systems and Design | | • |
| Natural Resources and the Environment | Sustainable Biomaterials | Sustainable Biomaterials: Forest Products Business; Sustainable Biomaterials Science; Sustainable Residential Structures; Creating Sustainable Society | | |
| Natural Resources and the Environment | Undecided | Natural Resources | | |
| Natural Resources and the Environment | Water | Water: Resources, Policy, and Management | | |
| Natural Resources and the Environment | Wildlife Conservation | Wildlife Conservation: Human Dimensions | | • |
| Science | Biological Sciences | Biological Sciences: Biology Education; Biomedical Biology; Ecology, Evolution, and Behavior | • | • |
| Science | Chemistry | Chemistry, B.A. or B.S. | • | • |
| Science | Computational Modeling and Data Analytics | Computational Modeling and Data Analytics: Biological Sciences; Cryptography and Cybersecurity; Economics; Physics | • | • |
| Science | Economics | Economics: Business; Managerial Economics and Data Science; Policy and Regulation | • | |
| Science | Geosciences | Geosciences: Earth Science Education; Environmental and Engineering Geoscience; Geobiology & Paleobiology: Geochemistry: | • | • |
| Science | Mathematics | Mathematics: Applied Computational Mathematics; Applied and Discrete Mathematics; Mathematics Education | • | • |
| Science | Medicinal Chemistry | Medicinal Chemistry | • | |
| Science | Microbiology | Microbiology: Biomedical Microbiology | • | • |
| Science | Nanomedicine | Nanomedicine | • | |
| Science | Nanoscience | Nanoscience | • | • |
| Science | Neuroscience | Neuroscience: Clinical Neuroscience; Cognitive and Behavioral Neuroscience; Experimental Neuroscience; Computional and Systems Neuroscience | • | • |
| Science | Physics, B.A. | Physics, B.A.: Physics Education; Pre-Health; Pre- Law | • | • |
| Science | Physics, B.S. | Physics, B.S. | • | |
| Science | Polymer Chemistry | Polymer Chemistry | • | |
| Science | Psychology | Psychology | • | |
| Science | Statistics | Statistics | • | • |
| Science | Systems Biology | Systems Biology | • | • |
| Science | Undecided | Explore Science | | |
| University Studies | Undecided | University Studies | | |
| Veterinary Medicine | Public Health | Public Health | | |

¹AdvantageVT pathway program available for qualified applicants.

²Students taking the STEM degrees indicated qualify for a 24-month extension of their post-completion optional practical training (OPT).

GRADUATE DEGREES AND MAJORS

| College | Program | Accelerated Masters ¹ | Masters | Doctorate | Campus Location(s) | AVT- Master's Pathway ² | DHS STEM- Approved ³ | Online ⁴ |
|---------------------------------|--|-------------------------------------|-----------|-----------|---------------------------------|--|------------------------------------|---------------------|
| Agriculture and Life Sciences | Agricultural and Applied Economics (AAEC) | • | MS | PhD | ВВ | | | |
| Agriculture and Life Sciences | Agricultural and Life Sciences (ALS) | • | MS | | | | | • |
| Agriculture and Life Sciences | Agriculture, Leadership, and Community Education (ALCE) | | MS | PhD | ВВ | | | • |
| Agriculture and Life Sciences | Animal and Poultry Sciences (APSC) | • | MS | PhD | BB | | ● (M, D) | |
| Agriculture and Life Sciences | Crop and Soil Environmental Sciences (CSES) | | MS | PhD | ВВ | | • (M, D) | |
| Agriculture and Life Sciences | Dairy Science (DASC) | | MSLFS | PhD | BB | | | |
| Agriculture and Life Sciences | Entomology (ENT) | • | MSLFS | PhD | BB | | • (D) | |
| Agriculture and Life Sciences | Food Science and Technology (FST) | | MS | PhD | BB | | | |
| Agriculture and Life Sciences | Horticulture (HORT) | • | MS | PhD | BB | | • (D) | |
| Agriculture and Life Sciences | Human Nutrition, Foods, and Exercise (HNFE) | • | MS, MSND | PhD | BB | | | |
| Agriculture and Life Sciences | Plant Pathology, Physiology, and Weed Science (PPWS) | • | MS | PhD | ВВ | | • (D) | |
| Architecture and Urban Studies | Architecture (ARCH) | | MS, MArch | PhD | BB, NV | • | ● (M) | |
| Architecture and Urban Studies | Architecture and Design Research (ADR) Building Construction Science and | | | PhD | BB, NV | | | |
| Architecture and Urban Studies | Management (BC) | • | MS | | BB | | | |
| Architecture and Urban Studies | Creative Technologies (CT) | | MFA | | ВВ | | ● (M) | |
| Architecture and Urban Studies | Environmental Design and Planning (EDP) | | | PhD | ВВ | | | |
| Architecture and Urban Studies | Government and International Affairs (GIA) | | MPIA | | BB, NV | | | |
| Architecture and Urban Studies | Landscape Architecture (LAR) | • | MLA | PhD | BB | | | |
| Architecture and Urban Studies | Planning, Governance, and Globalization (PGG) | | | PhD | BB, NV | | | |
| Architecture and Urban Studies | Public Administration and Public Affairs (PAPA) | • | MPA | PhD | BB, NV, RCH | | | |
| Liberal Arts and Human Sciences | Theatre Arts (TA) | | MFA | | BB | | | |
| Architecture and Urban Studies | Urban and Regional Planning (UAP) | • | MURPL | | BB, NV | • | | |
| Business | Business Administration (BUS) | • | MBA, MS | | RCH, ROA, NV | | | • |
| Business | Business, Accounting and Information Systems (ACIS) | | MACIS | PhD | ВВ | • | | |
| Business | Business, Executive Business Research (BUS) | | | PhD | NV | | | |
| Business | Business, Finance (FIN) | | MS | PhD | ВВ | | | |
| Business | Business, Hospitality and Tourism Management (HTM) | • | MS | PhD | BB, NV | • | | |
| Business | Business, Information Technology (IT) | | | PhD | BB | | | |
| Business | Business, Management (MGT) | | | PhD | BB | | | |
| Business | Business, Marketing (MKTG) | • | MS | PhD | BB | | | |
| Business/Engineering | Information Technology (MIT) | | MIT | | | | | • |
| Engineering | Aerospace Engineering (AOE) | • | MS, MEng | PhD | BB | | ● (M, D) | • |
| Engineering | Biomedical Engineering (BMES) | • | MS | PhD | BB, ROA, WF | • | • (M, D) | |
| Engineering | Chemical Engineering (CHE) | | MS, MEng | PhD | BB | | ● (M, D) | |
| Engineering | Civil Engineering (CEE) | • | MS, MEng | PhD | BB, HR, ROA, RCH, SWV | • | • (M, D) | • |
| Engineering | Computer Engineering (ECE) | • | MS, MEng | PhD | BB, HR, ROA, RCH, SWV | | ● (M, D) | • |
| Engineering | Computer Science & Applications (CS) | • | MS, MEng | PhD | BB, NV | • | ● (M, D) | |
| Engineering | Electrical Engineering (ECE) | | MS, MEng | PhD | BB, HR, NV, ROA, RCH, SWV | | • (M, D) | • |
| Engineering | Engineering Education (ENGE) | | | PhD | BB | | • (D) | |
| Engineering | Engineering Mechanics (ESM) | • | MS, MEng | PhD | BB | | ● (M, D) | |

 $^{^{1}\!}Programs$ that can be completed in one year combined with qualifying undergraduate degrees

²One-year AdvantageVT-Master's pathway program available for qualified applicants with low English proficiency.

³Students taking the STEM degrees indicated qualify for a 24-month extension of their post-completion optional practical training (OPT).

⁴Program is available online.

GRADUATE DEGREES AND MAJORS (continued)

| College | Program | Accelerated Masters ¹ | Masters | Doctorate | Campus Location(s) | AVT- Master's Pathway ² | DHS STEM- Approved ³ | Online ⁴ |
|--|---|-------------------------------------|--------------|---------------|--------------------------------------|--|------------------------------------|---------------------|
| Engineering | Environmental Engineering (CEE) | | MS | | BB, NV | | ● (M) | |
| Engineering | Environmental Sciences and Engineering (ESEN) | | MS | | BB, NV | | • (M) | |
| Engineering | Industrial Systems Engineering (ISE) | • | 1S, MEA, Mer | n PhD | BB, LEE, NV, HR, RCH, ROA, SWV | • | • (M, D) | • |
| Engineering | Material Science and Engineering (MSE) | • | MS, MEng | PhD | BB | | • (M, D) | |
| Engineering | Mechanical Engineering (ME) | • | MS, MEng | PhD | BB, NV, HR | • | • (M, D) | |
| Engineering | Mining Engineering (MINE) | • | MS, MEng | PhD | BB | | ● (M, D) | |
| Engineering | Nuclear Engineering (NSEG) | | MS, MEng | PhD | BB, NV, HR, RCH, SWV | | • (M, D) | |
| Engineering | Ocean Engineering (AOE) | | MS | | BB | | ● (M) | • |
| Interdisciplinary | Alliance for Social, Political, Ethical, and Cultural Thought (ASPECT) | | | PhD | ВВ | | | |
| Interdisciplinary | Bio-Inspired Buildings | | | PhD | BB | | | |
| Interdisciplinary | Biological Transport | | | PhD | BB | | | |
| Interdisciplinary | Computational Tissue Engineering | | | PhD | BB | | | |
| Interdisciplinary | Disaster Resilience and Risk Management | | | PhD | ВВ | | | |
| Interdisciplinary | Genetics, Bioinformatics, and Computational Biology (GBCB) | | | PhD | ВВ | | • (D) | |
| Interdisciplinary | Human Centered Design | | | PhD | BB | | | |
| Interdisciplinary | Infectious Disease | | | PhD | BB | | | |
| Interdisciplinary | Interfaces of Global Change | | | PhD | BB | | | |
| Interdisciplinary | Macromolecular Science and Engineering (MACR) | | MS | PhD | ВВ | | • (M, D) | |
| Interdisciplinary | Remote Sensing | | | PhD | BB | | | |
| Interdisciplinary | Translational Obesity Research | | | PhD | BB | | | |
| Interdisciplinary | Translational Plant Science | | | PhD | BB | | | |
| Interdisciplinary | Water INTERface: Interdisciplinary Research Transcending Boundaries of Engineering, Science, and Human Health | | | PhD | BB, NV | | | |
| Interdisciplinary (Graduate School) | Individual Interdisciplinary Ph.D. (IPHD) | | | PhD | ВВ | | | |
| Interdisciplinary (Sciences) | Molecular and Cellular Biology | | | PhD | ВВ | | | |
| Interdisciplinary (Sciences, Engineering) | Regenerative Medicine | | | PhD | ВВ | | | |
| Interdisciplinary (Sciences, Engineering) | Sustainable Nanotechnologies | | | PhD | ВВ | | | |
| Interdisciplinary (Sciences, Engineering) | Translational Biology, Medicine, and Health | | MS | PhD | BB, ROA | | • (M, D) | |
| Interdisciplinary (Statistics) | Data Analysis and Applied Statistics (DAAS) | | MA | | BB, NV | | • (M) | |
| Liberal Arts and Human Sciences | Career and Technical Education | | | EdD, PhD | ВВ | | | |
| Liberal Arts and Human Sciences | Communication (COMM) | | MA | | BB, NV | | | |
| Liberal Arts and Human Sciences | Creative Writing | | MFA | | BB | | | |
| Liberal Arts and Human Sciences | Education, Career and Technical Education (EDCT) | • | MS | EdS | ВВ | | | |
| Liberal Arts and Human Sciences | Education, Counselor Education (EDCO) | | MA | PhD | BB, ROA | | | |
| Liberal Arts and Human Sciences | Education, Curriculum and Instruction (EDCI) | • | MA Ed | EdS, EdD, PhD | ВВ | | | • |
| Liberal Arts and Human Sciences | Education, Education Leadership and Policy Studies (EDEL) | | MA ED | EdS, PhD, EdD | BB, HR, NV, RCH, ROA, SWV | | | |
| Liberal Arts and Human Sciences | Education, Education Research, Evaluation (EDRE) | | | PhD | ВВ | | • (D) | |
| Liberal Arts and Human Sciences | Education, Higher Education (EDHE) | | MA Ed | PhD | BB | | | |
| Liberal Arts and Human Sciences | Educational Psychology | | MA Ed | EdS, PhD | ВВ | | | |

 $^{^{1}\!}Programs$ that can be completed in one year combined with qualifying undergraduate degrees

 $^{^2}$ One-year AdvantageVT-Master's pathway program available for qualified applicants with low English proficiency.

³Students taking the STEM degrees indicated qualify for a 24-month extension of their post-completion optional practical training (OPT).

⁴Program is available online.

GRADUATE DEGREES AND MAJORS (continued)

| College | Program | Accelerated Masters ¹ | Masters | Doctorate | Campus Location(s) | AVT- Master's Pathway ² | DHS STEM- Approved ³ | Online ⁴ |
|--|---|-------------------------------------|-----------|-----------|-----------------------|--|------------------------------------|---------------------|
| Liberal Arts and Human Sciences | Elementary Education | | MA Ed | EdD, PhD | BB | | | |
| Liberal Arts and Human Sciences | English (ENGL) | | MA | | BB | | | |
| Liberal Arts and Human Sciences | English Education | | MA Ed | EdD, PhD | BB | | | |
| ILiberal Arts and Human Sciences | Foreign Languages, Cultures, and Literatures (FL) | • | MA | | ВВ | | | • |
| Liberal Arts and Human Sciences | Foundations of Education | | | PhD | BB | | | |
| Liberal Arts and Human Sciences | History (HIST) | | MA | | BB | | | |
| Liberal Arts and Human Sciences | History and Social Science Education | | MA Ed | PhD | BB | | | |
| Liberal Arts and Human Sciences | Human Development (HD) | | MS | PhD | BB, NV | | | |
| Liberal Arts and Human Sciences | Instructional Design and Technology | | MA Ed | EdS, PhD | BB | | | |
| Liberal Arts and Human Sciences | Integrative STEM Education | | MA | EdD, PhD | BB | | | |
| ILiberal Arts and Human Sciences | Material Culture & Public Humanities (MCPH) | • | MA | | ВВ | | | |
| Liberal Arts and Human Sciences | Mathematics Education | | MA Ed | EdS, PhD | BB | | | |
| Liberal Arts and Human Sciences | Music Education | | MA Ed | EdD | ВВ | | | |
| Liberal Arts and Human Sciences | Philosophy (PHIL) | • | MA | | BB | | | |
| Liberal Arts and Human Sciences | Political Science (PSCI) | • | MA | | BB | | | • |
| Liberal Arts and Human Sciences | Reading Specialist/ Literacy | | MA Ed | EdS | BB | | | |
| | Rhetoric and Writing | | | PhD | BB | | | |
| Liberal Arts and Human Sciences | Science and Technology Studies (STS) | | MS | PhD | BB, NV | | | |
| | Science Education | | MA Ed | EdD, PhD | BB | | | |
| | Sociology (SOC) | • | MS | PhD | BB | | | |
| Natural Resources and the | Fisheries and Wildlife Sciences (FIW) | | MS | PhD | ВВ | | | |
| Natural Resources and the Environment | Forest Products (SBIO) | • | MS, MF | PhD | ВВ | | • (M, D) | |
| Natural Resources and the Environment | Forestry (FREC) | • | MS, MF | PhD | ВВ | | | |
| Environment | Geography (GEOG) | • | MS | PhD | ВВ | | | |
| | Geospatial and Environmental Analysis (GEOG) | | | PhD | ВВ | | | |
| Natural Resources and the Environment | Natural Resources (NR) | | MNR | | NV | | | • |
| Science | Biochemistry (BCHM) | • | MS, MSLFS | PhD | BB | | | |
| Science | Biological Sciences (BIOL) | • | MS | PhD | BB | | • (M, D) | |
| Science | Biological Systems Engineering (BSE) | • | MS, MEng | PhD | ВВ | | • (M, D) | |
| Science | Chemistry (CHEM) | | MS | PhD | BB | | • (M, D) | |
| Science | Economics (ECON) | • | | PhD | BB | | • (D) | |
| Science | Geosciences (GEOS) | | MS | PhD | BB | | • (M, D) | |
| Science | Mathematics (MATH) | • | MS | PhD | BB | | • (M, D) | |
| Science | Neuroscience (NEUR) | | | PhD | BB | | • (D) | |
| Science | Physics (PHYS) | • | MS | PhD | ВВ | | • (M, D) | |
| Science | Psychology (PSYC) | | MS | PhD | ВВ | | | |
| Science | Statistics (STAT) | | MS | PhD | BB | | • (M, D) | |
| IVeterinary Medicine | Biomedical and Veterinary Sciences (BMVS) | | MS | PhD | ВВ | | | |
| Veterinary Medicine | Public Health (MPH) | • | MPH | | BB | | | |

¹Programs that can be completed in one year combined with qualifying undergraduate degrees

CAMPUS LOCATIONS:

BB = Blacksburg, Virginia main campus* HR = Hampton Roads LEE = Leesburg

NV = Northern Virginia, D.C.-Metro area* ROA = Roanoke RCH = Richmond SWV = Southwest Virginia

* Campuses available to F-1 international students

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⁴Program is available online.