

# ONLINE MASTER OF INFORMATION TECHNOLOGY


2020-2021



MASTER OF  
INFORMATION TECHNOLOGY  
VIRGINIA TECH.







# ONLINE MASTER OF INFORMATION TECHNOLOGY

*100% ONLINE | 2-5 YEARS*

Virginia Tech's #4 nationally-ranked Master of Information Technology program has a 20-year history of preparing professionals with the interdisciplinary knowledge they need to succeed in a rapidly changing world

*CLICK TO NAVIGATE*

*CUSTOMIZABLE FORMAT*

*CORE COURSES*

*ELECTIVE COURSES*

*GRADUATE CERTIFICATES & DUAL DEGREE OPTION*

*ADDED BENEFITS*

*TUITION*

*ADMISSIONS*

*CONNECT WITH US*



*“What we did at Virginia Tech a few years ago was to say that we really want to focus on the working professional — someone who wants to enhance their career or make a change in the direction of their career, but not at the expense of continuing to be a business professional.”*

ROBERT T. SUMICHRAST  
DEAN, PAMPLIN COLLEGE OF BUSINESS



[RETURN TO NAVIGATION](#)

# CUSTOMIZE YOUR MASTER'S DEGREE

Students are not tied to a traditional full- or part-time schedule with the Master of Information Technology program (VT-MIT). Instead, you have the flexibility to tailor your degree by choosing the courses and timeline for completion that best fit your career goals and personal schedule.

## TIMELINE

There are three admission cycles each year corresponding to the academic semesters — fall, spring, and summer. You'll decide your own course load each term, so you can balance and manage your work or family life. Some students complete their degree in as few as two years or as many as five, while the majority complete their degree with a two and a half year plan of study.

## LOCATION

The VT-MIT program is offered fully online so you can earn a top-ranked degree from anywhere in the world. Asynchronous lectures by VT-MIT faculty are streamed right to your desktop at any time - 24/7. Watch them as often as you choose. Extensive notes and transcripts, posted on the course website, accompany and enhance each lecture. Synchronous sessions are held in real-time using software that connects you with your instructor and classmates at a specific time - usually one evening per week (eastern standard time) for each course.

## AREAS OF SPECIALIZATION

You'll also have the opportunity to tailor your degree to an area important to your career goals. There are 12 areas of specialization to choose from:

- Analytics & Business Intelligence
- Big Data
- Business Information Systems
- Cybersecurity
- Cybersecurity Management
- Cybersecurity Policy
- Decision Support Systems
- Health Information Technology
- Innovation/Entrepreneurship in AI/ML
- Networking
- Software Development
- Software Engineering



# BUILD A FOUNDATION FOR THE REST OF YOUR CAREER

VT-MIT is an interdisciplinary degree program jointly offered by the College of Engineering and Pamplin College of Business. There are classes for technical and aspiring technical professionals alike and you'll have the opportunity to completely tailor your degree to your career interests.

The degree requires completion of 11 courses for a total of 33 credit hours. You will choose four core courses and seven elective courses to fulfill these requirements.

The program has twelve optional areas of specialization to help guide your course selection. You may also be able to earn a graduate certificate without taking any additional courses. Visit our website for more information on course selection and graduate certificate options.

## CORE COURSES (CHOOSE FOUR)

- ACIS 5504 Information Systems Design & Database Concepts
- BIT 5594 Web-Based Applications and Electronic Commerce
- CS 5044 Object-Oriented Programming with Java
- CS 5704 Software Engineering
- ECE 5484 Fundamentals of Computer Systems
- MGT 5804 Strategic Leadership in Technology-Based Organizations



# ENHANCE YOUR EXPERIENCE

The VT-MIT program is more than a one-size-fits-all degree. Customize your experience to best meet your personal goals by tailoring your curriculum to your interests.

The program has twelve optional areas of specialization to help guide your course selection. You may also be able to earn a graduate certificate without taking any additional courses. Visit our website for more information on course selection and graduate certificate options.

## ELECTIVE COURSES (CHOOSE SEVEN)

- ACIS 5524 Advanced Database Management Systems
- ACIS 5534 Information Systems Development
- ACIS 5574 Healthcare Data Management
- ACIS 5624 Cybersecurity Governance and Risk Management
- BIT 5114 Crime and Conflict in Cyberspace
- BIT 5124 Cyber Law and Policy for Information Technology
- BIT 5134 Cybersecurity Program Design and Operations
- BIT 5474 Computer-Based Decision Support Systems
- BIT 5484 Cognitive Computing for Smart Service Systems
- BIT 5524 Introduction to Business Intelligence and Analytics
- BIT 5534 Applied Business Intelligence and Analytics
- BIT 5564 Healthcare Information Technology
- CS 5244 Web Application Development
- CS 5254 Mobile Application Development
- CS 5644 Machine Learning with Big Data
- CS 5664 Social Media Analytics
- CS 5744 Software Design & Quality
- ECE 5480 Cybersecurity and the Internet of Things
- ECE 5485 Networks and Protocols I
- ECE 5486 Networks and Protocols II
- ECE 5494 Innovative Pathways in AI & Machine Learning
- ECE 5585 IT Security and Trust I
- ECE 5586 IT Security and Trust II
- MGT 5824 Technology-based Entrepreneurship



# MAKE THE MOST OF YOUR DEGREE

## GRADUATE CERTIFICATES

VT-MIT students have the opportunity to earn a graduate certificate as part of the master's degree program. All certificate courses are either core or elective offerings within the VT-MIT program and can be double-counted toward the full degree. If planned carefully, it is possible for students to earn more than one graduate certificate as part of the degree program. Please visit our website for more information.

The graduate certificates can also be earned as stand-alone credentials (usually in less than 12 months) for those looking for just a narrow update on their current skill set or perhaps not yet ready to commit to a full Master's program.

- Big Data
- Business Data Analytics
- Cybersecurity Management
- Cybersecurity Policy
- Cybersecurity Technologies
- Health Information Technology
- Information Systems Design
- Information Technology Management
- Internet and Network Technologies
- Software Development

## DUAL DEGREE PATHWAY TO MBA

Students based in the greater Washington, D.C. metro area can double-count up to five VT-MIT courses toward Virginia Tech's Evening MBA program, allowing you to save time and money if you also plan to pursue an MBA. Please note that those pursuing this pathway may not be able to also earn a graduate certificate as part of the VT-MIT degree program. Please visit our website for more information.

# JOIN THE WIDER UNIVERSITY COMMUNITY

While the degree is offered online, you will have access to the full range of benefits available to all students at Virginia Tech.

You'll work with top faculty who maintain direct links to industry, government, and research centers. Unlike some online programs, the majority of our faculty are full-time. That means they'll be available to you throughout the duration of your program, not just during your time in their course.

VT-MIT offers personalized academic advising, career services, and an alumni mentoring program to help you navigate both the program and your next steps.

When you receive a degree from Virginia Tech, you also join the vast Virginia Tech alumni network and Hokie Nation. With alumni chapters across the country and the globe, Virginia Tech provides you with the professional network you need to achieve your career goals both now and in the future.







# CONSIDER VALUE FOR YOUR INVESTMENT

The VT-MIT program offers a competitive universal tuition rate, meaning that the rate is the same no matter what your state or country of residence is. That means all of our students earn a top-ranked degree and benefit from our extensive alumni network at a cost that is significantly less than similar programs.

While many of our students are self-funded or apply for financial aid assistance, some also receive full or partial tuition assistance from their employers. Visit our website to learn more.

## TUITION

- \$975 per credit hour or \$2,925 per course
- \$32,175 total cost of tuition for full 33-credit program
- Books and supplies estimated at \$150 per course
- Fees range between \$43 and \$88 per semester

**NOTE** Tuition and fee rates are for the 2020-21 academic year





# TAKE YOUR NEXT STEP

## ADMISSION REQUIREMENTS

- Online application
- Official transcripts
- Resume
- Three letters of recommendation
- Personal statement
- \$75 application fee

## APPLICATION DEADLINES

- FALL ENTRY - July 1
- SPRING ENTRY - December 1
- SUMMER ENTRY - April 1



# CONNECT WITH US

## REQUEST INFORMATION

Register your interest with the VT-MIT program and stay up to date with upcoming events and application deadlines

## ATTEND AN INFORMATION SESSION

[View upcoming dates here](#)

## SCHEDULE A ONE-ON-ONE CONVERSATION

[View available appointments here](#)  
(703) 538-8384  
[vtmit@vt.edu](mailto:vtmit@vt.edu)

## VISIT OUR WEBSITE

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

## FOLLOW US

