The possibilities are endless

Our graduate students strive to make a positive impact on the challenges we face in technology, security and information management.

At WashU, you will join a community of individuals who are leading the way in research, innovation and IT transformation.

You will develop a network of colleagues and mentors who push boundaries and challenge assumptions.

The curriculum and coursework will enhance your knowledge and expertise. You will understand the rapidly changing marketplace and be prepared to set the pace.

Nearly 60 of WashU’s graduate and undergraduate programs rank in the top 25 by U.S. News & World Report, including the School of Medicine at No. 6, Brown School of Social Work at No. 1 and Biomedical Engineering at No. 11. Through innovative research, the university is committed to creating the new knowledge necessary to achieve a bright and sustainable future.
AREAS OF STUDY

Cyber Security Management {10}
Project Management {13}
Information Systems {14}
Information Management {17}
Construction Management {18}
Engineering Management {21}
System Integration {22}

“Choosing WashU could be one of the best decisions I have ever made. Now I am practicing what I have learned from the program in my job, and I think this journey at WashU was indispensable in my career development.”
— Keyi Xian

PROGRAM OPTIONS

Full-time master’s
- Project Management
- Information Systems

{36 UNITS}
1-2 YEARS TO COMPLETE

Part-time master’s
- Construction Management
- Cyber Security Management
- Engineering Management
- Information Management
- Project Management
- Systems Integration

{30-36 UNITS}
2.5-5 YEARS TO COMPLETE

Graduate certificate
- Construction Management
- Cyber Security Management
- Information Management
- Project Management
- Systems Integration

{15 UNITS}
10-15 MONTHS TO COMPLETE

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— Keyi Xian

See a full list of courses and schedules: sever.wustl.edu/courses
FACULTY

Learn from the people who will transform your way of thinking

Many Sever faculty are subject matter experts who are highly respected in their industries. They include entrepreneurs, CIOs, IT executives, business owners, lawyers and top government officials.

Our faculty members are at the forefront of change in the marketplace, and they share that experience in the classroom.

Smaller class sizes provide an environment for collaboration with the instructor and your peers.

WashU faculty has helped me to be strategic in my thinking. What I like most about the program is that the professors teaching the classes live and breathe the subject. This helps me gain a real-world perspective in each subject.

— RALPH KILDEBREW

Meet our expert faculty: sever.wustl.edu/faculty
Curriculum

Blend theory and practice

Our curriculum features active, participatory learning combined with practical application. As a student you will be instructed by industry leaders and nationally ranked faculty. The curriculum in each of our programs combines lectures with problem-solving sessions, simulations and real-world projects.

5 required core courses
6-7 elective courses

Capstone
The capstone project represents a substantive evaluation and application of coursework covered in the program. Students are encouraged to select projects with practical significance for the advancement of their companies’ competitive positions as well as their own personal development. The project is administered, advised and evaluated by WashU, but students are also encouraged to seek mentorship from experienced colleagues.

Each master’s program has a required group of core courses that will be the foundation of your curriculum. Once those courses are completed, you will have the flexibility and opportunity to take elective courses, as well as courses in other schools at WashU, to further enhance your knowledge in business, architecture, law and information technology.

120+ elective course options from schools and departments across WashU

Olin Business School
Sam Fox School of Art & Architecture
School of Law
COMMUNITY

You’ll learn not only from leading experts but also from the person sitting next to you. The conversations and problem-solving exercises you have with your classmates will be a vital part of the learning process.

IDEA Labs is a student-run biotechnology incubator that provides resources, training and mentorship to teams of students (medical, engineering, business, etc.) tackling real clinical problems by developing innovative solutions. idealabsincubator.org

Graduate student organizations (select)
- Association of Graduate Students (AGES)
- BioEntrepreneurship Core
- Black Graduate Council
- Chinese Students and Scholars Association
- Graduate Professional Council
- Graduate Student Senate

There will be additional opportunities to interact with professionals in the Technology & Leadership Center during roundtable events. Topics of discussion include analytics, security and project management.
Securing your organization’s data requires a combination of technical skills, innovative concepts and managerial acumen. This program is developed with one critical goal: educate professionals on how to secure the information that is key to today’s enterprises. The curriculum combines nationally recognized faculty from the School of Engineering & Applied Science and Olin Business School to provide practical knowledge on cyber warfare, cryptography, risk management, network security and more.

Highlighted Courses:
- Emerging Technologies and Innovation
- Cyber Counterespionage
- Security Metrics
- Applied Cyber Security Practices in Cyber Warfare

“When I decided to pursue cyber security as a profession, I knew that Washington University was the school for me. The school’s stellar reputation, rigorous academics, focus on technical and leadership issues, and top-notch faculty composed of information security professionals with real-world experience confirms this is the best career choice I could have made.”

— Ken Hogue

See the full details on the Cyber Security Management curriculum: sever.wustl.edu/csm
“When making an investment in yourself and your career, you want the very best return possible. I chose WashU because I knew that to be a serious business leader and professional, you want more than coursework and lectures. You need real, tested and proven industry knowledge to compete today and beyond, and what better confirmation of my commitment to making a difference is there than having a degree from WashU?”

— GEORGE BLACK JR.

PROJECT MANAGEMENT

Successful project managers are capable of consistently executing complex projects on time and on budget. There are key components that make this possible, such as the ability to motivate and lead a team, formulate effective plans, understand risk, and communicate effectively with stakeholders. The curriculum in this program was designed to execute mission-critical projects and conquer the three project environments of people, processes and strategies.

Highlighted Courses:
» Strategies of Projects, Programs and Portfolios
» Managing Teams and Projects
» Applying Innovations Within Organizations
» Project Planning and Administration

See the full details on the Project Management curriculum: sever.wustl.edu/pm
INFORMATION SYSTEMS

The Information Systems program prepares the next generation of technology professionals to innovate, solve business problems and create value for the enterprise using cutting-edge technology.

The MSIS offers focus areas in leadership, cyber security and big data with an emphasis on predictive analytics.

The program is designed for individuals seeking a full-time degree with lab-based experiences, world-class instruction and possible internships at major corporations in St. Louis.

Highlighted Courses:
» Systematic View of Cyber Security and Information Assurance
» Telecommunications Management
» Security Metrics

“This program helped me change from software engineer to data engineer. I gained critical knowledge about big data, including predictive modeling, machine learning, data mining and data warehousing. After working as a data engineer, I know these courses helped me to grow.”
— HANNAH JIANG

See the full details on the Information Systems curriculum: sever.wustl.edu/msis
“While my background was primarily in business, I was determined to find a balanced graduate curriculum that would enhance my leadership skills and provide me with solid technical knowledge. The MIM program at WashU provided me with the right mix of leadership disciplines and technical acumen.”

— KARA HAMILTON

INFORMATION MANAGEMENT

The MIM degree blends the practical teachings of technology and business leaders and WashU faculty to train the next generation of IT leaders. Students learn to lead the IT organization of 2020 through use of innovative tactics, critical thinking and business simulation.

Multidisciplinary tracks focused on leadership, cyber security and big data provide a curriculum that enables students to experience a holistic learning environment of the horizontal infrastructure of IT organizations.

Highlighted Courses:

» Art and Science of Risk Management
» Perspectives on Innovation and Risk
» Enterprise Network Security
» Principles of Strategic Planning

See the full details on the Information Management curriculum: sever.wustl.edu/im
CONSTRUCTION MANAGEMENT

Students will be prepared for every aspect of leading a construction project or organization. Created for any professional of the built environment, our curriculum incorporates traditional themes — cost, time, risk and quality management, strengthened with multidisciplinary topics — business, finance, ethics and law. Lecture and lab-based education provides students with an environment for practical application utilizing best practices that address current issues and developments in the industry.

Highlighted Courses:

» Construction Risk Management
» Sustainable Construction
» Project Cost and Resource Analysis and Management
» Business Ethics in Construction

MCM/Master’s in Architecture Dual Degree

Students pursuing a master’s in architecture have an opportunity to complete a dual degree to provide a focused, intensive examination of critical issues within construction management. The Master of Construction Management/Master of Architecture (MCA/M. Arch) joint degree program prepares architectural students for the diverse roles within today’s multidisciplinary design/construction process.

See the full details on the Construction Management curriculum: sever.wustl.edu/cm

“I specifically chose the Washington University Master of Construction Management program due to some other peers having already taken the program, flexibility of classes, location close to home and the instructors coming from the industry.”
— JIM HOETTE
There is a need for organizations to integrate technical, managerial and business skills to solve complex problems. Engineers pursuing career growth into management need to be able to strategize, assess risk and manage global operations. This curriculum prepares individuals to think strategically, be innovative and make decisions in a team format.

Highlighted Courses:
- Strategic Management of Technology
- Decision-Making Under Risk
- Productivity & Quality Control
- Principles of Operations Management

See the full details on the Engineering Management curriculum: sever.wustl.edu/em
SYSTEM INTEGRATION

There is an increasing demand for technical professionals to possess an overall systems perspective. The program prepares students to apply iterative, interdisciplinary systems thinking to complex technological, sociological and organizational systems.

Coursework builds skills in requirements identification and development; system analysis, design and architecture; operation research and affordability; and design and integration. Proficiency is gained through professional instruction and team and individual projects, including system designs and simulations.

Highlighted Courses:
- Affordability Engineering
- Operations Analysis
- System Design & Integration
- Systems Engineering Analysis

“As an engineer with one of the nation’s largest system integration companies, the knowledge acquired in the Master of System Integration program reinforced my skills by allowing me to exercise real-world system integration problems in a classroom environment. The most beneficial part of my education was being taught by instructors who were also industry SMEs with years of real-world experience.”

— David Morris

See the full details on the System Integration curriculum: sever.wustl.edu/si
ALUMNI & NETWORK

Courses in the MSIS program are designed to let students learn about IT from both the technical and business perspectives. The program offered many networking activities for me to gain a better understanding of American corporate culture and therefore be better prepared for my future career.”

— Keyi Xian
Associate Engineer, Software Engineering, MasterCard

My experience at WashU has provided me with the skills and network to advance my career in ways that continue to evolve and develop. I am proud to be a part of such a fantastic alumni network and community working to make advances in our region and world.”

— Anna Leavey
Director of Construction, CityArchRiver Foundation

The MIM program provides a unique focus on key challenges that IT professionals are faced with today. I found the topics covered in a wide variety of classes to be immediately applicable in my role in IT architecture at a fortune 50 company.”

— Greg Schomburg
Vice President, Planning and Architecture, Wells Fargo Advisors

Having access to a strong network of professionals is often the key to finding your dream job, moving up in your current place of work or starting your own business. These alumni experienced change with a WashU degree, and so can you.

Learn more about our alumni and their stories at sever.wustl.edu

Join a growing and vast professional network

Accenture
Amazon
Anheuser-Busch InBev
Answers™
Apple
Bain & Company
The Boeing Company
Boston Scientific
Burns & McDonnell
Capital One
Centene
Chevron Corp.
Deloitte
Dropbox
Emerson
Exegy
Garmin
GE Healthcare
General Mills
Google
IBM
LinkedIn
Lockheed Martin
L’Oréal
Medtronic
Microsoft
MIT Lincoln Laboratory
Monsanto
Morgan Stanley
Nestlé Purina PetCare Co.
Pfizer
Procter & Gamble
Sigma-Aldrich
Solae
Square
Target Corp.
Tesla Motors Inc.
U.S. Air Force
U.S. Army
U.S. Patent and Trademark Office
Yelp

WashU Engineering alumni, many of whom work at these companies

The Career Center at WashU offers advising and resources for graduate students to find internships and job openings.
careercenter.wustl.edu

20K WashU Engineering alumni, many of whom work at these companies
Be part of the scene

Today, the pioneers of St. Louis are the engineers, scientists, business leaders, educators, artists, and other innovative and creative professionals who are working at the forefront of a multitude of fields and endeavors.

Our central location means fast, convenient connections to the rest of the United States. WashU engineers are engaged in St. Louis as contributors to startup connections in the Cortex Innovation District, WashU’s world-class School of Medicine and the university’s Gephardt Institute for Civic and Community Engagement.
Application
Learn more about your future now:

To schedule a visit or to meet with an adviser, call (314) 935-5484.

Application process
We take your application for admission to Washington University very seriously. Admission is based on the strength of the entire application package and not a single element such as test scores or GPA. Obtaining a specific score on the GRE/TOEFL/IELTS or a high GPA does not guarantee admission. Therefore, we do not have published minimum score requirements. We review and assess each application individually.

Here is a list of supplemental items you will need to complete your online application:
» Application fee ($75)
» Unofficial copies of your undergraduate and/or graduate transcripts
» Three letters of recommendation
» Statement of purpose and resume/CV
» TOEFL or IELTS scores
For specific details on how to apply, visit our website at sever.wustl.edu.

Tuition & financial aid
Part-time students enroll in eight or less units and are charged a per-unit tuition rate. Full-time students enroll in nine or more units and are charged a flat tuition rate, plus mandatory fees. International students are not permitted to register for fewer than nine units without special permission from the Office of International Students & Scholars. More information about tuition can be found at sever.wustl.edu.

If you are a qualified veteran, WashU School of Engineering & Applied Science and the VA will cover 100 percent of your graduate tuition.

Contact WashU Engineering Graduate Admissions
Phone: (314) 935-5484
Fax: (314) 935-5449
Email: engineeringgradadmissions@wustl.edu

Nondiscrimination Policy
Washington University encourages and gives full consideration to all applicants for admission, financial aid and employment. The University does not discriminate in access to, or treatment or employment in, its programs and activities on the basis of race, color, age, religion, sex, sexual orientation, gender identity or expression, national origin, veteran status, disability, or genetic information. Applicants with a prior criminal history will not be automatically disqualified from consideration for admission. Inquiries about compliance should be addressed to the University’s Vice Chancellor for Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, MO 63130.