Since its founding by America’s first family of engineers, Stevens Institute of Technology has been a place where eager students and researchers collaborate to solve the greatest challenges in science and technology. Stevens has long been synonymous with progress and innovation, with a history of important contributions in project management, sustainability, design thinking, artificial intelligence and beyond.
A vanilla business degree is not enough in today’s technology-driven world. To lead, you need a graduate degree that infuses technology and analytics into traditional management disciplines.

At the School of Business at Stevens Institute of Technology, we teach how to assess data and apply analytics to real problems, empowering you to make smarter decisions in a world of increasing uncertainty and complexity. You will learn from professors who bring decades of leadership experience in research and industry to the classroom. You will become a critical thinker able to find creative ways to solve problems through technology. And you will immediately apply your new skills to create impact in your organization while learning to think differently about changes and challenges.

That’s how we mean business at Stevens.
Business today moves at dizzying speeds and in countless directions that require a new kind of leadership.

Fundamental skills in marketing, finance and strategy are important, but paramount is an ability to understand how technology connects these disciplines to the goals of the enterprise in new ways. Tomorrow’s leaders must be lifelong learners who think critically about innovation as they apply analytical techniques to identify trends and deploy resources to maximize competitive advantage.

At the School of Business, researchers explore how the data revolution — from machine learning, social media analytics, digital innovation and algorithmic trading — creates advantages for companies and helps managers make smarter decisions in real time. Alumni go on to rewarding leadership positions at some of the largest companies in New York City; many also pursue their passion for entrepreneurship after graduation.
Online MBA in the United States (U.S. News & World Report, 2018)

Online non-MBA business programs (U.S. News & World Report, 2018)


Online computer IT programs (U.S. News & World Report, 2018)

Employment rate, six months after graduation (Class of 2017)

from New York City by train or ferry
The future of business is uncertain, but full of exciting new opportunities. How will the rise of intelligent machines and the relentless pace of automation affect the tasks humans will perform at work? How can managers interpret data to ensure their decisions help their business grow? How will organizations detect, and respond to, cyberattacks — both through their front doors and through interconnected systems? How do sophisticated mobile and cloud technologies create opportunities and vulnerabilities across IT networks?

These questions are what drive faculty at the School of Business at Stevens. This isn’t just a place where professors teach these subjects — they also are responsible for the kinds of research breakthroughs that are changing the ways companies and their managers think about machines, platforms and crowds. As a Stevens business student, you will be immersed in a tech-centric culture, taking classes in state-of-the-art labs that will challenge you to apply emerging ideas and concepts to the problems you’ll face in tomorrow’s workplace.

Hanlon Financial Systems Center, with its creative collaboration platforms and ability to introduce real-time data into strategic discussions. A Forbes reporter, impressed by the deep learning and data visualization capabilities of the School of Business, called Stevens one of the nation’s top STEM colleges, writing, “Move over, Wharton and MIT, a small college on the Hudson River has become a breeding ground for financial engineers.”

(Forbes, Sept. 5, 2017)
Joyce arrived at Stevens unsure of what her career would look like, but getting her master’s within sight of New York City was important in preparing her to succeed.

FOR HIGH RISERS

Prepare to be inspired. The Stevens campus commands an awe-inspiring view of New York City, located just 10 minutes from our Hoboken home. Recruiters from Fortune 500 companies are a regular feature of campus life, owing to our proximity to industry and the valuable set of skills taught in the classroom. Executives from the world’s largest finance, life sciences, technology and media companies, as well as leaders of state and federal government agencies, visit with faculty to provide input on courses, engage with student consultants and offer firsthand insights on new business trends during guest lectures.

Beyond the countless career advantages of our location, being so close to New York City puts many cultural delights within easy reach. Whether your passion is pro sports, theater, museums, parks, the arts or great food from any corner of the globe, you’ll find it’s all a few short minutes from Stevens.

HOME-FIELD ADVANTAGE

Being so close to New York gives you a lot of access to opportunities you might not otherwise have. You meet so many recruiters as a Stevens student that it feels like you have home-field advantage when you go on a job interview.

JOYCE PEGLER ’18 M.S., ’18
Business Analyst, Scholastic

Joyce arrived at Stevens unsure of what her career would look like, but getting her master’s within sight of New York City was important in preparing her to succeed.
THE MBA, REIMAGINED

Much ink has been spilled about the death of the MBA — that the rise of highly specialized master’s programs has rendered the staple graduate business offering obsolete.

Not so fast.

The core skills at the heart of the MBA — management, marketing, finance and strategy — are still required for aspiring leaders. What has changed, though, is just how much technology has disrupted each of these disciplines. Smart leaders can no longer think about these topics in a vacuum; instead, they must consider how new advancements are tying disparate parts of the enterprise together, and how that technology links businesses to customers, competitors and the markets.

But technology doesn’t stop at those core skills. Today’s leaders must be capable analysts who can understand recommendations made by data scientists, critical thinkers who embrace tools that encourage greater sophistication, and visionaries eager to apply quantitative methods to new challenges. Tomorrow’s managers will need to apply those skills in ways we can’t yet predict. They will have to be lifelong learners who are enthusiastic about the possibilities technology creates at work.

That’s what the MBA programs at Stevens are all about. We understand the scope of these challenges and the ways technology can help savvy managers create opportunities where others see only obstacles. Our future-oriented MBA programs will prepare you for success not just in your current role, but also in the long term.

The MBA isn’t dead — with the right set of skills, it’s a more valuable investment than ever. Come explore how a Stevens MBA prepares you for the challenges of the business world, now and in the future.
A FRESH DYNAMIC

Every class that I’ve taken has helped me look at information in my job in a new way, and bring a fresh dynamic to it.

CINDY DEVER MBA ’18
Senior Manager, Pfizer

When she first enrolled in the Stevens MBA, Cindy thought she’d just be getting a bullet point on her résumé. Instead, she says, her classes in strategy and marketing helped her get promoted — twice — while still a student.
You are: Eager to take a greater leadership role in conversations about the technology operations and future of the business.

Few MBA programs consider how rapidly the data revolution has changed the ways that managers recognize opportunities and identify trends. At Stevens, faculty understand the traditional MBA toolkit of marketing, finance, strategy and organizational behavior must be complemented by skills in technology and analytics to translate to success in the boardroom.

**CURRICULAR THEMES**

- **Language of business:** Strategic management, marketing, operations
- **Leadership and innovation:** Decision making, leader development, entrepreneurship
- **Analytical thinking:** Business analytics, applied analytics

The program includes a capstone course in which you apply classroom lessons to a company problem, incubate a business or complete a complex business simulation.

**CONCENTRATIONS**

The customizable Stevens MBA allows you to tailor your degree to your career interests through a four-course concentration in any of the following disciplines:

- Corporate Innovation
- Finance
- Information Systems
- Project Management

Alternatively, you can pursue a customized concentration aligned to your career goals.

**SIGNATURE COURSE**

**Leader Development**

Project success depends largely on the human side. However, being primarily technical people, many project managers neglect these “soft” issues. This course helps leaders manage people through application of theories and practices of leadership.
You are: A recent college graduate seeking the business, leadership, analytics and innovation skills to complement your technical expertise.

The biggest challenge technically oriented professionals face at work is understanding how to translate their valuable skills into the language of business executives, so that their insights are taken seriously and they get the promotions they deserve. The analytics MBA is an immersive learning lab that goes beyond the classroom through business immersions, professional mentoring and entrepreneurship experiences.

Graduates of this program go on to management roles in consulting, finance, life sciences, telecommunications, media and other industries.

**CURRICULAR THEMES**

**Language of business:** Marketing, entrepreneurship, finance, strategy

**Leadership and innovation:** Leader development, creative collaboration, organizational design, service innovation

**Analytical thinking:** Modeling and decision making, multivariate analytics, statistical learning, applied analytics

The program concludes with a capstone course in which you apply classroom lessons to a company problem, incubate a business or complete a complex business simulation.

**SIGNATURE COURSE**

**Applied Analytics**

This course presents a set of increasingly complex business problems in domains such as customer analytics, data-driven product design and financial analytics. Students use readily available synthetic and empirical data before stating and solving their own problems, gathering their own data as part of the process.
EXECUTIVE MBA
PART-TIME ON CAMPUS

You are: An experienced technical professional who needs to speak the language of business to ensure your expertise is brought to bear on the strategic direction of the enterprise.

Technical expertise will always be a hot commodity in business, but since they haven’t been trained in disciplines like finance, marketing and creative collaboration, many technical professionals find themselves unable to influence managers and advance into leadership roles.

The Stevens EMBA has a long track record of challenging technically oriented professionals — in industries from manufacturing and life sciences, to media and finance — to leave their comfort zones and develop their inner leaders. As you develop new skills in collaboration, communication and leadership, you’ll learn how to influence stakeholders and build support for your technology-oriented insights.

EMBA classes meet every other Saturday, to minimize disruptions to professional and personal commitments. The program is structured in cohort fashion — you’ll see the same faces in each class, helping you build a close network of ambitious professionals across industry categories.

CURRICULAR THEMES

Language of business: Economics, marketing strategy, operations management, managerial accounting, corporate finance, global business, design thinking

Leadership: Leader development, strategic management, corporate entrepreneurship, managerial judgment, creative collaboration

Technology: Emerging technology, big data seminar, integrated technology management

The EMBA program includes a leadership development retreat at West Point, where you will apply leadership lessons in overcoming various obstacles, and an international trip, where you will meet executives at companies in a foreign country to better understand the challenges and opportunities of doing business abroad.

SIGNATURE COURSE

Design Thinking

Design thinking involves a unique form of inquiry that goes beyond product and service design. These concepts and methods are used to design organizations of people, information structures, compensation systems and the entire consumer experience in solving the most complex problems.
You are: An experienced professional interested in developing the business skills needed to get promoted into a management position.

The Technology Management master’s program curriculum is identical to the first two years of the Executive MBA at Stevens, running as a cohort program every other weekend and designed to help experienced technical professionals ascend the management ranks. Most students who enroll in this program go on to complete an additional year of studies and graduate with an EMBA.

CURRICULAR THEMES

Language of business: Economics, marketing strategy, operations management, managerial accounting, design thinking

Leadership: Leader development, strategic management, corporate entrepreneurship, technology management

The Technology Management program includes a leadership retreat at West Point, which will challenge you to lead teammates, build trust and communicate effectively in ways that prepare you to apply your classroom lessons at work.
You are: A technical professional interested in learning to coordinate projects, manage budgets and lead people to steer complex initiatives to completion.

Project management in the digital age is a greater challenge than ever before. While new technologies offer greater organizational and analytical capabilities to track and assess project goals in real time, the development of ever-leaner organizations means available resources continue to grow scarce. Mistakes in resource allocation or poor decisions about project timelines create ripple effects that directly impact the bottom line.

While project managers are a crucial resource for every company, every job today requires project management skills. The Stevens program is ideal for technically oriented professionals seeking the strategic and leadership perspectives involved in successfully driving projects across the finish line. The program is accredited by the Project Management Institute; courses can be applied toward PMP certification and maintenance.

**CURRICULAR THEMES**

Project analytics, cross-project leadership, leader development, strategic perspectives

**CONCENTRATIONS**

This customizable master’s program includes four electives that allow you to build a cross-disciplinary degree with added relevance for your professional aspirations.

Choose from:
- General Management
- Software Engineering
- Construction Management

**SIGNATURE COURSE**

Strategic Perspectives on Project Management

Success in project leadership depends on a proper managerial style and attitude, not only on specific tools. This course helps managers see the entire project landscape and the long-term issues critical to success.
You are: Completing a bachelor’s degree in a science, engineering or arts discipline, but realizing you need fundamental business skills to compete for the best jobs.

A bachelor’s degree in a technical field or the liberal arts is an excellent launch pad to a successful career, but many entry-level employees become overwhelmed when asked to manage projects, collaborate creatively, and make sound financial and economic decisions. In just one year, the master’s in Management provides a foundation to prepare students to become early-career standouts in any industry.

CURRICULAR THEMES

**Language of business:** Finance, marketing, strategy, project management, economics, operations, organizational behavior

The Management curriculum includes two elective courses, allowing you to take a deeper dive into a discipline of your choice across the Stevens portfolio — from computer science to sustainability management. You can also opt to work on a real-world project for an industry partner.

THE TOOLS FOR SUCCESS

My goal is to transition into a management role — not only within my department, but elsewhere within the company. I’ve learned the tools needed to be successful and how to avoid failures.

**DAMIR ALIC M.S. ’17**  
Construction Manager, Boeing

When he started his master’s in Enterprise Project Management, Damir was a project analyst. He’s since been promoted to his current role at Boeing, and says his Stevens work has helped him see problems in a new light.
You are: Interested in learning the technology responsible for transforming financial services, or changing careers into this dynamic industry.

As markets have become digital, data, not relationships, have become the key strategic driver in the financial services industry. That's a seismic shift for an industry that is coping with new methods of trading, wider streams of information to assess and changing guidance from regulators struggling to keep up. As a result, many financial services managers lack the skills needed to navigate this increasingly complex environment.

At Stevens, this emerging area of “fintech” is a key focal point of research and education. In the Hanlon Financial Systems Center, you will learn important analytical techniques using data from Bloomberg, Reuters and others to leverage data in real time to keep pace with volatile financial markets — and, in doing so, cultivate a set of skills that's in very short supply in industry. Because of our proximity to Wall Street and our reputation for technology-driven problem solving, managers are keen to engage our faculty in better understanding the complex challenges facing finance.

**CURRICULAR THEMES**

**Economics:** Econometrics, economics for managers, financial econometrics

**Finance:** Fixed income, investment management, corporate finance

**Computational and quantitative methods:** Bloomberg, Thomson Reuters, R, SAS

**CONCENTRATIONS**

This customizable master's program includes four electives that allow you to fortify your degree with more traditional financial management skills, or take a deeper dive into technology and analytics.

Choose from:
- Certified Financial Planner
- Investment Banking and Valuation
- Financial Analytics and Risk
- Financial Services Operations

**SIGNATURE COURSE**

**Investment Management**

This course takes a practical approach to investment management strategies, including a variety of investment vehicles, from pure equity and debt offerings to complex derivatives and options.
EVOLUTION AND INNOVATION

We've built an exchange that’s faster than its fastest participants. And we’ll continue to evolve and innovate to protect investors from structural inefficiencies and unnecessary intermediation.

JOHN SCHWALL ’95 M.S. ’98
Co-founder and COO, IEX

John has the strong sense of justice that you’d expect from a man who hails from a family of firefighters. What drives John, though, isn’t burning buildings, but the loopholes that have been exploited by certain financial market players. He co-founded IEX to change that through technology.
You are: A professional with strong engineering and math skills interested in pursuing a career in finance.

The first financial engineers were really just engineers hired by finance companies to make sense of a data revolution that was transforming business models. Those professionals were skilled mathematicians and scientists who could code effectively and model precisely, but who had only theoretical knowledge about finance and business.

All that has changed. Today’s financial engineers must be creative technologists as savvy in computer science as they are in finance. Financial engineers are a highly sought commodity for their ability to create algorithms that manage portfolios, limit risk and create value.

At Stevens, the Financial Engineering program emphasizes the latest techniques in financial analytics, algorithmic trading and risk management. World-class technologies in our Hanlon Financial Systems Center allow for market simulations, algorithmic testing, and intensive data visualization and analysis. Faculty here study the interconnected, systemic nature of financial companies and markets in searching for ways to improve resilience and reliability.

**CURRICULAR THEMES**

Mathematics: Stochastic calculus, computational methods, advanced derivatives

Finance: Portfolio theory, pricing, hedging, trading strategy

**CONCENTRATIONS**

Financial engineering is a varied and quickly evolving discipline, so this program’s curriculum includes the flexibility to pursue an area of particular interest to your career aspirations.

Choose from:
- Algorithmic Trading Strategies
- Financial Services Analytics
- Financial Risk Engineering
- Financial Statistics
- Financial Computing

**SIGNATURE COURSE**

**Market Microstructure and High-frequency Trading**

This course addresses everything from new portfolio management techniques for high-frequency trading to updated risk management strategies, and how to safeguard information and order flow in both dark and light markets.
You are: A statistician or engineer looking to apply your technical talents in finance.

The technology-intensive finance industry is eager for analysts with strong statistical and programming skills to guide investment decisions. Financial analysts design innovative solutions to the finance problems of the future, while using excellent business and communication skills to assess client needs and make recommendations to executive teams.

**CURRICULAR THEMES**

**Data processing and knowledge management:** Database design, data science, financial statistics applications

**Machine learning:** Statistical analytics, data mining, knowledge engineering

**Data modeling and visualization:** Financial systems technology, data visualization and decision making

**Optimization for general financial problems:** Applied statistics, portfolio theory

**SIGNATURE COURSE**

**Financial Systems Technologies**

This course introduces the technology used by the modern financial services industry and capital markets, and teaches students to connect the financial services business model to cloud computation resources — such as Amazon AWS — containing advanced financial analytics components.

---

**THE COMPLETE PROFESSIONAL**

The world is getting more automated, more efficient, more intelligent, and finance is no different. You need complete professionals who can code and also handle the financial side of the business.

RODRIGO SILVA COSME M.S. '16
Founder, ZeroBeta

Rodrigo returned to his native Brazil after completing his master’s at Stevens; but leaving Wall Street was a tough adjustment, as Brazil’s markets lack the liquidity for diversified investment strategies. So he built his own quant boutique to better manage portfolios for investors.
You are: An aspiring data scientist seeking the analytical skills needed to make smart recommendations to grow the business.

Data without intelligence is not information — it’s just noise. So how do you strategically interpret data in ways that allow you to make better recommendations about everything from resource allocation, to supply-chain management, to marketing?

In the Business Intelligence & Analytics program at Stevens, you’ll learn from faculty who are shaping the way industry thinks about how to find advantages through data. From IEEE to the Fortune 500, our faculty are sought after for their thought leadership in areas like natural language processing, deep learning and predictive analytics, and what those disciplines mean in the tech-oriented business of tomorrow.

You’ll take courses in state-of-the-art laboratories, where you’ll learn new tools that enable you to complete intensive data visualization and analysis on projects done alongside partner companies. Graduates are highly sought by recruiters for their creative insights on data and comfort in building tools to create value across the enterprise.

**CURRICULAR THEMES**

**Foundations of big data:** Strategic data management, data warehousing, web mining, internet of things

**Optimization:** Risk management, process optimization

**Statistics:** Multivariate data analytics, experimental design

**Applications of analytics:** Marketing analytics, supply chain analytics, risk management, cognitive computing

The program concludes with a capstone course in which you apply classroom lessons to a company problem or research project.

**SIGNATURE COURSE**

**Web Mining**

In this course, students will learn through hands-on experience how to extract data from the web and analyze web-scale data using distributed computing. Students will learn different analysis methods widely used across the range of companies, from startups to online giants like Amazon and Google.
FACULTY MAKE THE DIFFERENCE

Faculty at Stevens make the difference. Professors are excited to meet with you outside of class to go even deeper in the cutting-edge techniques they’re using in their research.

RUSH KIRUBI M.S. ’17
Decision Sciences Associate, Wolters Kluwer

Rush had extensive experience with Google’s analytics products even before coming to Stevens. That helped him play a leadership role in an international Google marketing competition, in which he and a team of Stevens business students took seventh place overall.
You are: An IT professional seeking insights into how linking the business and technology ends of the office creates strategic advantages.

For information technology professionals, one of the biggest challenges of getting the job done is simply keeping up with the relentless pace of technology. As the gatekeepers charged with defending their organizations against cyber threats, IT managers must integrate new technologies that help companies succeed while keeping attacks at bay.

In the Information Systems program at Stevens, you’ll learn not only how to manage new advances in mobile technology, cloud computing and social networks, but also how businesses value and rely on these technologies in creating opportunities. Graduates are valued for their ability to understand both the business and technical ends of the enterprise, and to bridge and balance those operations to ensure the growth of the company.

**CURRICULAR THEMES**

**Management:** Project management, financial decision making, organizational behavior

**Information systems:** Information systems analysis, data and knowledge management, process innovation

**Technology:** Digital transformation, information systems integration, IT strategy

**CONCENTRATIONS**

This customizable master’s program includes three electives that allow you to take a deeper dive into areas like business intelligence or process management. Choose from the following, or customize according to your career interests.

- Business Intelligence & Analytics
- Business Process Management & Service Innovation
- Project Management
In its long history, B&G Foods had never hired a chief information officer — until recruiting Chris away from the tech sector. At Stevens, Chris learned to think differently about the relationship between IT and business.

CHRIS COLLA M.S. ’07
CIO, B&G Foods

In its long history, B&G Foods had never hired a chief information officer — until recruiting Chris away from the tech sector. At Stevens, Chris learned to think differently about the relationship between IT and business.
You are: Seeking a broader business understanding to complement your technology skills and help you get promoted within the network and communications industry.

The arrival of mobile technology and high-speed streaming services has changed the way telecommunications companies think about their business models — far beyond the transition from landline to cellular communications. Telecommunications providers are watching their bottom lines erode under the pressure of nontraditional rivals like Google, Netflix and Amazon, and are desperate to introduce services that allow them to better leverage their installed user base.

Stevens has a long history of leadership in the communications space. You’ll learn from faculty who developed the technologies responsible for wide-scale commercial cellular deployment, and who are now advising companies on next-generation designs. Our faculty will challenge you to think creatively about the technologies underpinning modern networks, preparing you to see the network as a tool that can be used to help customers solve business problems.

CURRICULAR THEMES

Management: Project management, financial decision making, organizational behavior

Business communications: Probability, stochastic processes, business information networks, regulation and policy

Network technology: Wireless communications, mobile computing, broadband networking, applied technologies

CONCENTRATIONS

Students in the program can round out their degree with three free electives, or they may pursue a three-course concentration in Management of Wireless Networks, which examines concepts like emerging networks and security in greater depth.
When Jeff completed his undergraduate degree in telecommunications management, he found it basic — in fact, lagging the technology he used as a telecom specialist in the U.S. Army. Enter Stevens, where he says he learned the same technology that he was deploying in the field at work.

**SIGNATURE COURSE**

**Software Defined Networks**

This course examines two important new network technologies and architectures — Software-defined Networking and Network Function Virtualization. These approaches are a direct response to the changing requirements to support integrated, flexible networking services. The architecture, standards and applications for each are studied through hands-on exercises.

**KEEPING CURRENT WITH THE TECH**

It was phenomenal how updated the syllabus was to what is actually being used in industry. Other programs are usually a couple years behind the times.

JEFF HOUSTON M.S. ’14
Senior Engineer, Sonus Networks

When Jeff completed his undergraduate degree in telecommunications management, he found it basic — in fact, lagging the technology he used as a telecom specialist in the U.S. Army. Enter Stevens, where he says he learned the same technology that he was deploying in the field at work.
You are: Interested in a research career that will challenge you to think about technology’s role in providing insights, empowering creativity and setting strategy.

One of your most important considerations as you think about Ph.D. programs is the kind of research you will be able to do. The doctoral enterprise at the School of Business gives students a chance to explore cutting-edge topics like digital innovation, blockchain and machine learning. The small size of our programs ensures you have a close relationship with a faculty advisor, who will nurture you as you prepare for the rigors of a career in research. You’ll benefit from the extensive networks of our faculty, in Fortune 500 companies and at prestigious research universities worldwide, as you learn new techniques and develop important insights into the areas that drive your professional interest.

Data Science
This cross-disciplinary program blends techniques in business analytics, computer science, math and financial engineering, creating graduates skilled in the use of methods and systems for extracting insights from rich data sets. Graduates are especially prepared for academic or industry careers in financial services and life sciences.

Business Administration
This flexible program allows you to pursue a concentration in Innovation and Entrepreneurship, Finance or Information Systems and Analytics. Graduates go on to tenure-track faculty positions at internationally renowned universities.

Financial Engineering
This program offers an intensive dive into the technologies helping the finance industry create products that deliver value. Graduates work in top-level research roles in the world’s biggest finance companies and the smallest, most agile hedge funds.

CONNECTED TO THE WORLD
My advisor treats me like family — he’s always making opportunities for me. And he has an incredible network of people, both at school and in industry, which has added so much value to the program for me.

PARISA GOLBAYANI PH.D. ’18
Quant, RBC Capital Markets
Parisa first met Ionut Florescu, who became her Ph.D. advisor, as a master’s student. His industry connections, disciplinary knowledge and passion for teaching convinced her to pursue her Ph.D. in Financial Engineering.
A premier, private research university just minutes from New York City with an incredible view and exceptional access to opportunity.