Information and Knowledge Strategy

Strategic use of data and information in management

IKNS Portrait

Whether you are an analyst or CEO – in the private sector, NGO, or a non-profit – you have at your disposal a deluge of data and fast evolving analytical tools to gather intelligence about your own organization, your partners & competitors, and your customers. But how do you separate the signal from the noise? How do you use both data and human talent in your organization to arrive at smarter, more innovative management decisions? And how do you translate these insights into lasting change?

Grounded in the discipline of Knowledge Management, our inter-disciplinary, and flexible curriculum will provide you with foundations in information science, organizational psychology, and change management as well as practical skills in project management and executive leadership to dramatically increase your impact – whether in your current organization or for a career pivot.

As an IKNS student, you will train under world-class faculty, including former and current executives from Accenture, Google, IBM, and NASA. And you will join a powerful, global alum network in coveted positions, including at Alphabet, BCG Digital Ventures, Harvard Business Publishing, Pfizer, and The World Bank. Join us to study full-time or part time at a pace of your choosing – in online courses or on-campus right here in New York City.

Core Competencies You Will Acquire

Acquire skills that are immediately applicable to your workplace, including how to:

- Master the latest trends in Business Analytics and Artificial Intelligence
- Design and innovate knowledge-driven digital products
- Create and lead collaborative, diverse, high-performing teams
- Enhance collaboration inside and outside your organization
- Leverage your organization's strategically important intangible assets:
  - Accelerate mission-critical knowledge sharing
  - Improve productivity by embedding knowledge in smarter business processes
  - Support your organization's knowledge-sharing strategy with the right technology
  - Turn knowledge into marketable assets
- Lead digital transformation and change management
- Develop a customer-centric approach to your work
- Build human networks that provide support, opportunity, and purpose

Career Snapshots

Our students and graduates achieve positions such as these:

- Senior Manager, Process Reengineering, American Express
- Head of Marketing, Side Walk Labs (an alphabet company)
- Global Knowledge Lead, BCG Digital Ventures
- Executive Director, Business Integration Partners
- Vice President, Digital Learning Solutions, JPMorgan Chase
- Principal Consultant, McChrystal Group
- Global Account Manager, Medidata Solutions
- Director of Operations, National Basketball Players Association
- Director of Operations, NYC Department of Education
- Founder and CEO, Smart Alto (Y Combinator W17)
- Senior Counsel, Digital/Technology, Vanguard
- Knowledge Management Officer, World Bank Group
- Senior Knowledge Manager, Harvard Business Publishing
- Senior Manager, General Dynamics

“The program helped me understand who needed to know what, where, and when so that we could be much more effective and efficient as an organization.”

Ben Royce | Alum ’13SPS, Information and Knowledge Strategy
Lecturer; Business Development, Cloud AI Services, Google

Apply Online sps.columbia.edu/ikns
Information and Knowledge Strategy

World-class Faculty with Deep Industry Experience
Our faculty have held leadership positions at global organizations including:

| Accenture | IBM | The World Bank |
| Bain & Company | NASA | U.S. Army/Navy |
| Ernst & Young | Oliver Wyman | Publicis Sapien |

The Capstone Project
Under the guidance of program faculty, you will apply your skills and knowledge through a group capstone project for a leading for-profit or non-profit organization.

Example Capstone
Collaborate with NASA's Goddard Space Flight Center to evaluate NASA Flagship Missions and offer design strategies for their successful execution. Capstone students will explore what is currently known about Flagship Missions and the challenges they face and recommend methods for improvement and valued outcomes in a future of work context.

Other examples include Boing, Nestle, UNDP, Pfizer, Thomson Reuters, Nike, and many more.

A Flexible Degree for Working Professionals and Students From All Over the World

Study While Employed: Yes
Flexible Time Commitment: From 3 semesters to 3 years
Flexible Instruction Format and Location
- Full time or part-time; online and on-campus instruction
- Multi-day Residencies on Columbia's campus in New York
- Networking events with global thought leaders and alums
- Full access to Columbia University's world-class student services, library facilities, and landmarked campus in New York City

Tailor Your Courses
As an IKNS student, you are eligible to earn 50% of your degree requirements by choosing elective courses from all across Columbia University: Explore the Data Science Institute, Business School, School of Engineering, School of International Public Affairs, Public Health, and more.

Data Science, Artificial Intelligence, Machine Learning
Digital Product Design
Enterprise Risk Management
Human/Machine Collaboration
Leading Cross-cultural Global Organizations
Negotiation and Conflict Resolution
Project Management and Change Management
Strategic Communication
Public Health

“As a Silicon Valley entrepreneur, IKNS provided me with the skill set to develop and commercialize knowledge-driven products.”

Mary Palmieri | '15SPS, Information and Knowledge Strategy
Founder and CEO, The Beauty Marketplace Inc.

NYC Campus Residencies
Our students tailor their IKNS experience to their individual needs - ranging from mostly online to a mostly on campus experience. To provide opportunities for networking and community building, all students come together on Columbia’s campus for two in-person Residencies during their studies: One Residency as part of the Foundations course (1st semester) and the other during the final Capstone Project. These multi-day residencies offer curated block-programming to apply theory to practice, and allow for networking opportunities among students, faculty, alumni, and thought leaders.

Who Should Apply
Leaders and decision-makers keen to achieve positive change in their organizations by gaining fluency in Information Science.
Mid-career professionals with a demonstrated capacity for executive roles who want to develop the leadership skills and presence necessary to achieve their next major professional milestone.
Experienced executives who seek not only premier credentialing but also exposure to diverse perspectives and fluency in leading-edge practices from peers and thought leaders outside their networks.
Entrepreneurs and intrapreneurs with the drive and resourcefulness to transform ideas into actions.

Knowledge Management practitioners who want to expand their horizons and enrich their practical expertise with a grounding in relevant research and the latest developments in Information Science.

Columbia University
School of Professional Studies

Master of Science (STEM)
Part-Time or Full-Time
Online and On-Time Instruction
Open to International Students (F-1 Visa)

+1 212 854 9666 | ikns@sps.columbia.edu
203 Lewisohn Hall, MC 4119 | 2970 Broadway | New York, NY | 10027-6902
sps.columbia.edu/ikns