

# Information and Knowledge Strategy

Master of Science (STEM)

Part-Time or Full-Time  
Online and On-Campus Instruction

Open to International Students on a Visa

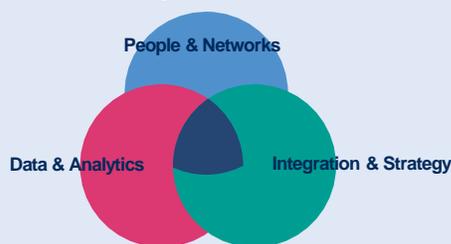
Strategic use of data and information in management

## 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 ever-growing 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 theoretical 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 Google, Accenture, Oliver Wyman, IBM, the World Bank and NASA. And you will **join a powerful, global alum network** in coveted positions, including at American Express, BCG Digital Ventures, Harvard Business Publishing, Nike, and Pfizer. 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**
- Senior Manager, **Amgen**
- 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](https://sps.columbia.edu/ikns)

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# IKNS

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## 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	
Google	Publicis Sapient	

## 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 Boeing, Nestle, UNDP, Pfizer, Thomson Reuters, Nike, and many more.**

**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 alumni
- Full access to Columbia University's world-class student services, library facilities, and landmarked campus in New York City

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

## 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

## NYC Campus Residencies

Our students tailor their IKNS experience to their individual needs – ranging from a 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 (1<sup>st</sup> 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.



*"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.