

Information & Knowledge Strategy (IKNS)

Master of Science (STEM)

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

Open to International Students on a Visa

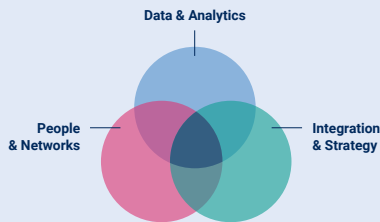
Strategic use of data and information in management
Data | People | Strategy

IKNS Portrait

Whether you are an analyst or a CEO—in the private sector or at an NGO or nonprofit—you have at your fingertips a deluge of data and fast-evolving analytic tools to gather intelligence about your own organization, your partners and competitors, and your customers. But how do you separate the signal from the noise? How do you use both the data and the human talent in your organization to arrive at smarter, more innovative management decisions? Enter Columbia's Master's in Information & Knowledge Strategy (IKNS).

Grounded in the field of knowledge management, our interdisciplinary 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.

As an IKNS student, you will train under world-class faculty, including former and current executives from Google, IBM, NASA, and Oliver Wyman. When you graduate, you will join a powerful global alumni network in coveted positions at organizations, such as Alphabet, Goldman Sachs, Nike, Pfizer, and the World Bank.



Core Competencies You Will Acquire

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

Master the latest trends in business analytics and artificial intelligence

Design and innovate digital products and assets

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
- Choose the right technologies to support your organization, partners, and customers
- Improve productivity by embedding knowledge in smarter business processes
- Turn business intelligence 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:

- Head of Global Key Accounts, **Alibaba Group**
- Senior Manager, Process Reengineering, **American Express**
- Senior Manager, **Amgen**
- Global Knowledge Lead, **BCG Digital Ventures**
- Vice President, Digital Learning Solutions, **JPMorgan Chase & Co.**
- Senior Manager, **General Dynamics**
- Senior Knowledge Manager, **Harvard Business Publishing**
- Senior Institutional Affairs Analyst, **International Monetary Fund (IMF)**
- Principal Consultant, **McChrystal Group**
- Staff Product Manager, Safety and Trust, **Instagram/Meta**
- Deputy Chief Knowledge Officer, **NASA**
- Director of Operations, **National Basketball Players Association**
- Director, North America Marketing Technology, **Nike**
- Director of Operations, **NYC Department of Education**
- Head of Marketing, **Sidewalk Labs/Alphabet**
- Founder and CEO, **Smart Alto** (Y Combinator W17)
- Senior Counsel, Digital/Technology, **The Vanguard Group**
- Senior Strategist, Data Production & Methods, **The World Bank**



"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 | '13SPS, Information & Knowledge Strategy (IKNS)
Lecturer; Business Development, Cloud AI Services, Google

Apply Online sps.columbia.edu/ikns



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World-class Faculty with Deep Industry Experience

Our faculty are former and current executives at global organizations including these:

- Accenture
- Amazon
- Anthem Insurance
- Ernst & Young
- Google
- IBM
- NASA
- Oliver Wyman
- Publicis Sapient
- Project Management Institute (PMI)
- U.S. Navy
- The World Bank

The Capstone Project

Under the guidance of program faculty, you will work in small teams and directly with representatives from a leading for-profit or nonprofit organization.

Sample Capstone

Collaborate with the United Nations Development Programme (UNDP) to establish a systematic methodology for capturing and utilizing lessons learned from UNDP's work on Sustainable Development Goals. The objectives include piloting knowledge-capture approaches and classifying lessons learned, as well as creating mechanisms to ensure that staff transfer these insights in new projects, such as through expert systems and global training programs.

Other examples include Boeing, *The Economist*, L'Oréal, NASA, Nestle, Nike, Pfizer, WWF, and many more.

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

Study While Employed: Yes

Time Commitment: From three semesters to three years

Flexible Pacing, Modality, and Location

- Full-time or part-time; synchronous online and on-campus instruction
- Multiday Residencies on Columbia's campus in New York
- Networking events with global thought leaders and alumni
- International students can take advantage of CPT and extended OPT after graduation
- Full access to Columbia University's world-class student services, career resources, library facilities, and landmarked campus in New York City

Craft Your Own Curriculum

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 and Public Affairs, Mailman School of Public Health, and more.

Data Science, Artificial Intelligence, Machine Learning

Digital Product Design and UX/UI

Entrepreneurship

Human-centered Design and Human/Machine Collaboration

Leading Diversity and Cross-cultural Global Organizations

Negotiation and Conflict Resolution

Project Management and Change Management

Strategic Communication and Marketing

Sustainability Analytics and Management

Public Health

NYC Campus Residencies

Our students tailor their IKNS experience to their individual goals—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 three in-person Residencies during their studies. These multiday 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 communities and organizations by gaining fluency in information science.

Mid-career professionals with a demonstrated capacity for executive roles who want to develop the technical and people skills 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.

International students who want to gain practical, hands-on experience at a world-class University while developing the skills and networks necessary to stand out in today's competitive job market.



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

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