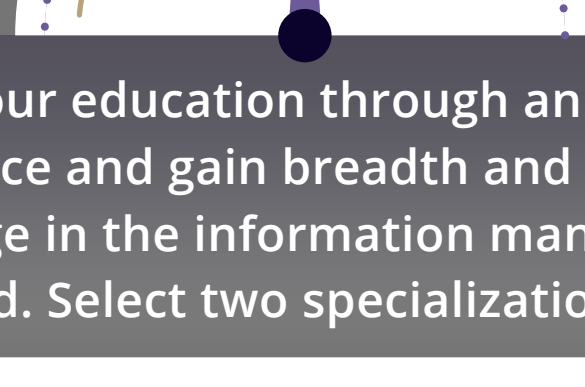


# EARLY-CAREER vs. EARLY-CAREER ACCELERATED

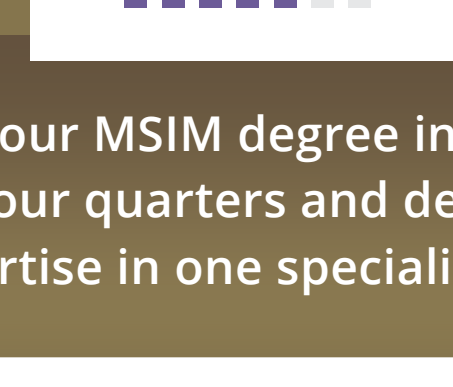
WHICH MSIM DEGREE TRACK IS RIGHT FOR YOU?

## EARLY-CAREER TRACK



vs.

## ACCELERATED TRACK



Invest in your education through an immersive experience and gain breadth and depth of knowledge in the information management field. Select two specializations.

Earn your MSIM degree in as little as four quarters and develop expertise in one specialization.

### COMPARE THE COURSEWORK

In as little as **9** quarters



**Completion Time**  
(Part-time students)

In as little as **5** quarters

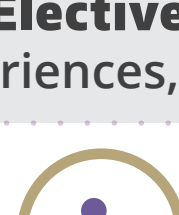
~**18** courses,  
**65** credits



**Courses and Credits**

~**10** courses,  
**40** credits

**2**



**Specializations**

Tailor your coursework to your interests and goals.

**1**

At least **4**



**Electives**

Pursue unique course work or applied experiences, including internships and research projects.

**1 or 2**

✓ **Yes**

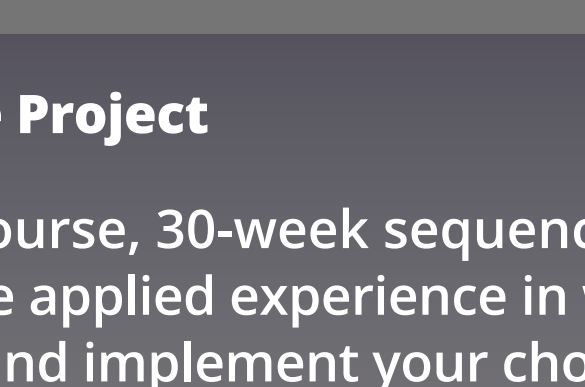


**Internship Opportunities**

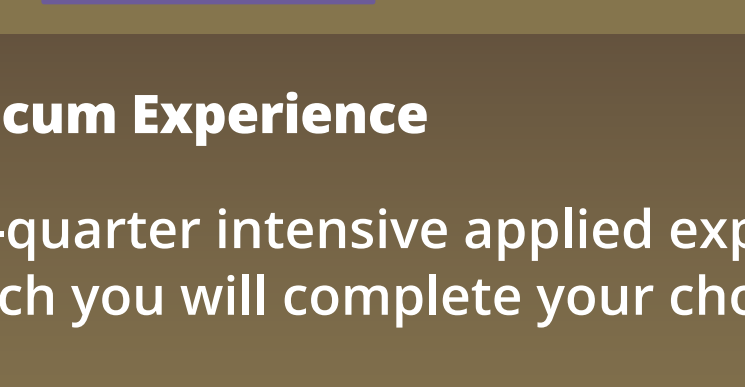
**Yes** ✓

### CULMINATING EXPERIENCE

#### EARLY-CAREER TRACK



#### ACCELERATED TRACK



##### Capstone Project

A three-course, 30-week sequence of immersive applied experience in which you will plan and implement your choice of:

- An organization-sponsored applied project
- A faculty-sponsored research project

Capstone projects allow students significant opportunity to apply and showcase their skills to future employers.

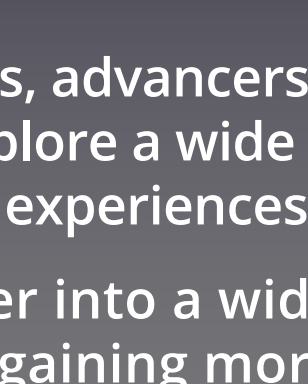
##### Practicum Experience

A one-quarter intensive applied experience in which you will complete your choice of:

- An organization-sponsored applied project
- A faculty-sponsored research project
- An internship

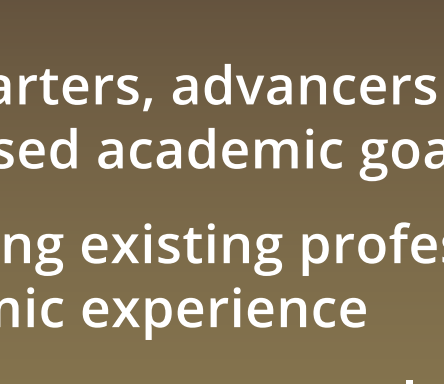
### CONSIDER YOUR GOALS

#### Our Early-Career Track is for:



- Career starters, advancers and changers wanting to explore a wide range of topics and hands-on experiences
- Delving deeper into a wider range of topics and gaining more immersive hands-on experiences both inside and outside of the classroom
- Those who wish to develop their expertise and position themselves for advancement to leadership and strategic oversight roles in the future

#### Our Accelerated Track is for:



- Career starters, advancers and changers with focused academic goals
- Augmenting existing professional or academic experience
- Those who want to complete their MSIM degree quickly with focused academic or professional goals

### CHOOSE YOUR SPECIALIZATION

Early-Career students select two of three specializations — a great investment. Accelerated students choose one specialization. No prior experience or technical knowledge required, bridge coursework available.

#### Business Intelligence



Build analytical, managerial and baseline technical skills to garner insights from data and to advance organizational goals across sectors and industry verticals.

##### Courses

- IMT 572: Introduction to Data Science
- IMT 576: Foundations of Strategic and Managerial Business Intelligence
- IMT 577: Business Intelligence Systems
- IMT 543: Relational Database Management Systems

#### Data Science



Study the computational and quantitative analysis of large datasets to transform data into action.

##### Courses

- IMT 573: Data Science I: Theoretical Foundations
- IMT 574: Data Science II: Machine Learning and Econometrics
- IMT 575: Data Science III: Scaling, Applications and Ethics
- IMT 511: Introduction to Programming for Information and Data Science

#### Program/Product Management and Consulting



Develop the knowledge and skills to lead strategic and operational information-related initiatives in organizations of all sizes and sectors.

##### Courses

- IMT 585: Consulting Practices
- IMT 541: Enterprise Systems Analysis and Design
- IMT 587: Project Management

### SKILLS YOU WILL LEARN

#### Business Intelligence



#### Data Science



- Derive insights from data by building analytical, managerial and baseline technical skills.
- Design, implement and leverage business intelligence systems from a managerial and strategic lens.
- Develop relational database and SQL knowledge and be exposed to key concepts, such as dimensional data modeling; extracting, transforming and loading data (ETL); machine learning; online analytical processing (OLAP); data warehouse architecture; and developing data visualizations for strategic management.

- Transform data into action by using computational and quantitative methods, tools and frameworks to analyze and derive insights from large-scale, heterogeneous data to make strategic decisions.
- Perform data science using R and Python.
- Learn the theoretical and practical foundations of data science through key concepts such as exploratory data analysis, statistical inference, supervised and unsupervised machine learning, scaling and distributed computing, and network analysis.

#### Program/Product Management and Consulting



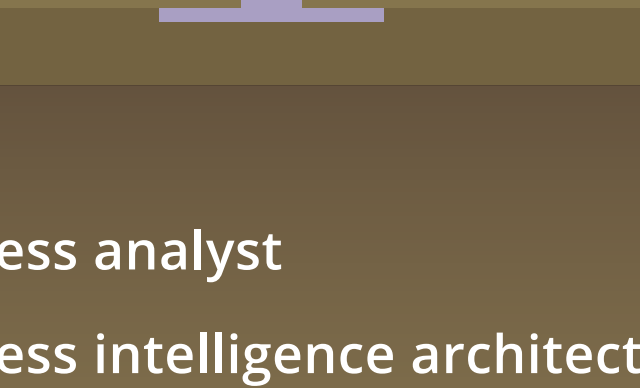
- Transform organizations through systems thinking, problem-solving and change management.
- Apply industry methods and techniques to analyze and design enterprise systems to solve organizational problems.
- Lead product management teams throughout the product life cycle.
- Manage information projects using cutting-edge industry methods and techniques to organize, plan, control and implement projects.

### CAREER OPTIONS

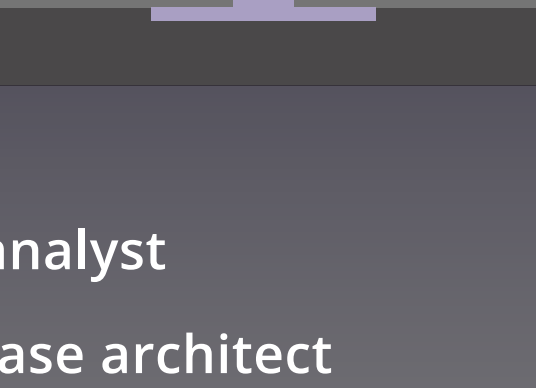
MSIM students gain the critical, analytical and managerial skills necessary to lead complex, information-intensive initiatives.

Typical job categories for recent graduates by specialization:

#### Business Intelligence



#### Data Science



- Business analyst
- Business intelligence architect
- Technology consultant
- Market research analyst
- Operations analyst
- Product/project manager
- Professional services consultant

- Data analyst
- Database architect
- Data scientist
- Data warehousing specialist
- Product/project manager
- Risk analyst
- Technology consultant

#### Program/Product Management and Consulting



- Business analyst
- Information consultant
- IT service manager
- Product manager
- Professional services consultant
- Program manager
- Project manager
- Technical consultant

### EMPLOYMENT AND SALARY PROSPECTS\*

#### Business Intelligence Specialization



**7,300+**  
available jobs

**\$95,000**  
median yearly salary

#### Data Science Specialization



**24,000+**  
available jobs

**\$100,000**  
median yearly salary

#### Program/Product Management and Consulting Specialization



**52,000+**  
available jobs

**\$100,000**  
median yearly salary

#### Early-Career Track

If combining two of the specializations (Business Intelligence, Data Science, and Program/Product Management and Consulting)

**31,000+**  
available jobs

**\$105,000–\$120,000**  
median yearly salary

\*Burning-glass.com



Information School  
UNIVERSITY of WASHINGTON

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