

INFORMATION SYSTEMS AND ARTIFICIAL INTELLIGENCE FOR BUSINESS (PART TIME), MASTER OF SCIENCE

The part-time Master of Science in Information Systems and Artificial Intelligence for Business (ISAI) program offers a dynamic, AI-driven curriculum that integrates business, technology, and human behavior. Tailored to meet the ever-evolving demands of today's industries, the program addresses topics like artificial intelligence and machine learning, and their real-world applications. As the business landscape continues to transform, you'll graduate with cutting-edge AI expertise and practical technical skills, positioning yourself as a visionary leader ready to drive innovation and meet the needs of employers in a competitive global market. Complete the part-time program through a mix of online courses and three in-person residencies, covering AI, cloud computing, machine learning, deep learning, generative AI, and AI in business.

Program Requirements

The program requires 30 credits. Part-time students must complete the program within six years.

Students enrolled in the online ISAI program are required to take the Business Communication course. Asynchronous online sections of this course have a mandatory two-day residency component, which includes synchronous participation. Onsite residencies are held at the Hopkins Bloomberg Center in Washington D.C.

Curriculum

The program curriculum includes the following courses. The course sequence and availability of specific electives may vary. Students must consult with their academic advisor to ensure they take courses in the approved sequence. All courses are 2 credits.

| Code | Title | Credits |
|--------------------------------|--|---------|
| Business Foundations | | |
| BU.120.601 | Business Communication | 2 |
| BU.131.601 | Business Leadership and Human Values | 2 |
| BU.510.601 | Statistical Analysis | 2 |
| Functional Core | | |
| BU.520.710 | AI Essentials for Business | 2 |
| BU.330.705 | Cyber Networks: Securing the Digital Frontiers | 2 |
| BU.350.620 | Digital Transformation of Business | 2 |
| BU.330.740 | Large Scale Computing on the Cloud | 2 |
| BU.330.775 | Machine Learning: Design and Deployment | 2 |
| Elective Courses | | |
| Select seven of the following: | | 14 |
| BU.520.750 | AI-Driven Sequential Decision Making | |
| BU.210.620 | Accounting and Financial Reporting | |
| BU.520.620 | Advanced Business Analytics | |
| BU.330.785 | Advanced Database Management | |
| BU.330.750 | AI Development and Business Applications | |
| BU.520.601 | Business Analytics | |
| BU.610.705 | Crisis Management | |

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| BU.330.730 | Cybersecurity |
| BU.510.650 | Data Analytics |
| BU.330.780 | Data Science and Business Intelligence |
| BU.520.650 | Data Visualization |
| BU.330.770 | Database Management |
| BU.300.700 | Developing Internet Systems and Services |
| BU.330.760 | Generative AI |
| BU.883.702 | Health Information Technology |
| BU.330.765 | Human-AI Fusion |
| BU.350.700 | Introduction to Java for Business |
| BU.300.620 | Managing Complex Projects |
| BU.410.620 | Marketing Management |
| BU.680.620 | Operations Management |
| BU.510.615 | Python for Data Analysis |
| BU.330.735 | Responsible AI |
| BU.610.615 | Simulation for Business Applications |
| BU.450.765 | Social Media Analytics |

Carey Elective - Students may fulfill ONE general elective with a Carey course for which they meet the prerequisites and enrollment criteria.

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| Total Credits | 30 |
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