

Accelerating Ingenuity in Markets (AIIM)

AIM 3986 Accelerating Ingenuity in Markets Internship - Work Period (0 credits)

S/U grade assessment.

Prerequisite: AIM major; cons. of prog. dir. and cons. of Business Career Center. Consent required.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%203986>)

AIM 4310 Sector and Company Investment Analysis (3 credits)

Focuses on sector and investment research and analysis and foundational components of applied investing. After successful completion, a student should be able to perform basic equity research, analyze market sectors, analyze organizations financially and create financial models to value organizations.

Prerequisite: FINA 3001; ACCO 4080, which may be taken concurrently; AIM major, or cons. of instr.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204310>)

AIM 4320 Identifying, Valuing and Communicating Investment Opportunities (3 credits)

Focuses on sector and investment research and analysis, foundational components of applied investing. After successfully completing this course, a student should be able to create financial models useful for sensitivity analysis, create financial models to value organizations, identify misvalued investment opportunities, and communicate an investment opportunity effectively.

Prerequisite: AIM 4310 or cons. of instr.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204320>)

AIM 4330 Advanced Research Techniques for Investment Analysis (3 credits)

Focuses on sector and investment research and analysis, foundational components of applied investing. After successfully completing this course, a student should be able to build complex scenario analysis models, utilize advanced valuation methods to value opportunities, utilize statistics to conduct factor analysis, utilize alternative data and artificial intelligence, and analyze the AIM portfolios.

Prerequisite: AIM 4320 or cons. of instr.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204330>)

AIM 4400 Applied Ingenuity, Analytics, and Valuation (3 credits)

Students learn to identify market opportunities, use analytics to disrupt the market and creatively solve financial problems in a novel manner to quantitatively value a financial opportunity. Students communicate a business use case for the opportunity and have the ability to participate in building, operationalizing and generating profits from a novel financial technology.

Prerequisite: Soph. stndg.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204400>)

AIM 4410 Identifying, Building, Creating and Communicating FinTech Opportunities (3 credits)

Begin to become an expert in specific areas of FinTech, such as Machine Learning and Artificial Intelligences, Neural Networks and Natural Language Processing, Smart Contracts, Cryptocurrencies and Digital Assets, Decentralized Finance, Distributed Ledgers and Blockchain, FraudTech, InsureTech, Internet of Behaviors, Layer 0 protocols, Machine Learning and Artificial Intelligences, Neural Networks and Natural Language Processing, and Smart Contracts. Read white papers and financial statements, learn to identify financial opportunities and communicate a business use case for a specific FinTech application.

Prerequisite: FINA 4075 or FINA 5075 which may be taken concurrently; AIM major; or cons. of instr.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204410>)

AIM 4420 Automating, Programming, Forecasting, and Generating Disruptive FinTech Intelligence (3 credits)

Become an expert in generating disruptive business intelligence through techniques using artificial intelligence in areas including RegTech, Random Forests and Machine Learning, automating data science, advanced valuation techniques, blockchain auditing and exploration, data visualization, data mining, data analytics, robotic process automation and programming. Quantify insights and communicate this effectively in forecasts and reports.

Prerequisite: AIM 4410; AIM major; or cons. of instr.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204420>)

AIM 4430 Constructing and Communicating Advanced Applications and Valuation of FinTech (3 credits)

Become an expert in communicating, applying, and valuing specific Financial Technologies. Use stackable modules using AI to help perform advanced data science, resulting in self-adapting, self-creating mathematics, and the continued development of a technology. Use foundational valuation techniques learned in AIM to develop novel methods of communicating an investment thesis. Demonstrate and apply technologies in conjunction with pitching ideas in written and oral form in a manner open to public scrutiny.

Prerequisite: AIM 4420; AIM major; or cons. of instr.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204430>)

AIM 4440 Valuing and Communicating a Market Disrupting Idea (3 credits)

Students become experts in communicating, applying and valuing market disruptors. Students use foundational valuation techniques learned in AIM to develop novel methods of communicating an investment thesis. Students pitch their ideas in written and oral form in a manner open to public scrutiny.

Prerequisite: AIM 4400, AIM major, or cons of instr.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204440>)

AIM 4470 Applied Regulatory Technology and Quantifying the Ethical Implications of Financial Investments (3 credits)

Students understand regulatory technologies ("RegTech") and the ethical implications of investment and financial technologies. Specific attention is given to applying ethics to the intersection of humans, robots and artificial intelligences. Students quantify governance protocols, cryptographic methodology, security standards and ethical issues affecting their investment choice. Students discover, apply and/or create RegTech capable of helping solve ongoing issues.

Prerequisite: AIM major or cons. of instr.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204470>)

AIM 4931 Topics in Accelerating Ingenuity in Markets (1-3 credits)

Topics vary.

Prerequisite: AIM major.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204931>)

AIM 4986 Accelerating Ingenuity in Markets Internship - Grading Period (3 credits)

S/U grade assessment.

Prerequisite: AIM 3986; cons. of prog. dir. and cons. of Business Career Center. Consent required.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204986>)

AIM 4989 Applied Ingenuity in Markets Internship Work and Grading Period (3 credits)

S/U grade assessment.

Prerequisite: AIM major; cons. of prog. dir. and cons. of Business Career Center. Consent required.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204989>)

AIM 4995 Independent Study in Accelerating Ingenuity in Markets (1-4 credits)

Faculty-supervised, independent study/research of a specific area or topic in Accelerating Ingenuity in Markets.

Prerequisite: Cons. of dept. ch. Consent required.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204995>)

AIM 4996 AIM Being the Difference (1 credits)

Students participate in community service initiatives for a minimum of ten hours each term beginning in the spring of their Sophomore year. Students identify an area of passion they have to help others, locate or create an organization matching this passion and make a difference in the world. Students effectively communicate their experiences and outcomes in their Senior year.

Prerequisite: AIM major or cons. of instr.

Level of Study: Undergraduate

Schedule of Classes (<https://bulletin.marquette.edu/class-search/?details&code=AIM%204996>)