

# CERTIFICATE IN QUANTITATIVE METHODS FOR BUSINESS

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The Certificate in Quantitative Methods for Business provides students with a solid foundation in core business quantitative competencies, including optimization and decision-making and analytics for decision-making.

Business at Illinois Tech has a prestigious history that dates back to the late 1800s, with some of the nation's first courses in "Home Economics" and "Household Management" being offered by the Lewis Institute, Stuart's original home, and the Institute's subsequent formation of the Department of Business and Economics in 1926.

A long-standing leader in curricular innovation, Stuart offers a number of undergraduate certificates. Stuart undergraduate certificates are designed to equip students with strong foundations in business disciplines. Through a carefully curated selection of four undergraduate courses, the certificate offers a comprehensive understanding of key business concepts, strategies, and practices.

The courses offered in this program are designed to blend theoretical knowledge with practical applications. Through case studies, real-world examples, and interactive exercises, students will have the opportunity to analyze and solve business problems, enhancing their critical thinking and decision-making abilities. Additionally, collaborative projects and discussions will foster teamwork and communication skills, essential for effective business professionals.

This certificate is offered independent of whether a student is majoring in one of Stuart's undergraduate programs or is simply looking to deepen their knowledge and gaining a solid understanding of business fundamentals. Upon completion, students will have a valuable credential to showcase.

## Curriculum

Code	Title	Credit Hours
BUS 305	Operation and Supply Chain Analytics	3
BUS 321	Analytics for Optimization	3
BUS 351	Financial Analytics	3
BUS 361	Entrepreneurship	3
<b>Total Credit Hours</b>		<b>12</b>