

# BACHELOR OF SCIENCE IN FINANCIAL ECONOMICS

The Bachelor of Science in Financial Economics degree provides students with comprehensive scientific, mathematical and applied skill sets required for testing and applying economic models within real-world settings. This program also equips students with critical thinking skills for evaluating and improving methods that investigate economic components influencing individual, system, and social level variables.

Stuart School of Business is a global leader in bridging technology and business, offering distinctive education that provides students with the knowledge and skillsets to become outstanding professionals in economics, finance, analytics, marketing, business, public administration, operations, and management.

Business at Illinois Tech has a prestigious history that dates back to the late 1890s, with some of the nation's first courses in "Family and Consumer Science" (including "Home Economics" and "Household Management") being offered by the Lewis Institute, Stuart's original home, and the Institute's subsequent formation of the university's Department of Business and Economics in 1926. Combined with the merger of the Lewis Institute with the Armour Institute, and the earlier pioneering works of Philip D. Armour, a merchant financier, Julia A. Beveridge, a librarian turned public administrator, and Frank W. Gunsaulus, an entrepreneurial preacher in the 1880s, the Department Business and Economics ultimately grew into a separate school at Illinois Institute of Technology – the Stuart School of Business, in 1969, with a gift from Lewis Institute alum and renowned financier Harold Leonard Stuart. Harold L. Stuart himself was a national leader in the field of investment banking in the first half of the 20th century, and his Chicago investment bank played a pivotal role in establishing the city as a global financial hub.

Over a period of more than 125 years, harnessing curricular innovations by Julia A. Beveridge and George N. Carman, and incredible scholarly works by trailblazing Illinois Tech scholars Herb A. Simon (author of Administrative Behavior, later awarded the Nobel Prize in Economics), Karl Menger (developer of the St. Petersburg paradox in economics) and Abe Sklar (developer of the Copula in financial modeling), the Stuart School of Business has refined education in the disciplines of economics, finance, business and public administration, analytics, marketing, and management.

A long-standing leader in curricular innovation, in 1990, building on the foundational works of numerous Illinois Tech scholars, and Harold L. Stuart's own contributions to finance and the broader business community, the Stuart School of Business established quantitative finance as an academic discipline, with a world's first postgraduate Master's program in Financial Markets and Trading – a program that highlighted a new model for embedding into a postgraduate academic program the emphases on career readiness and connectedness with the business community, and transformed business school education.

Today, the Stuart School of Business continues to be a frontier innovator in accredited education, offering academic programs and co-curricular opportunities that place students on the path to self-actualization and career success. Leadership, entrepreneurship, experiential learning, positive societal impact, and connectedness to the business community, combined with a human-centered approach to student development, and an unyielding focus on

student success, continue to be core pillars at Stuart. Stuart is accredited by the Association to Advance Collegiate Schools of Business (AACSB) – an accreditation achieved by fewer than 6% of business schools worldwide.

The Bachelor of Science in Financial Economics builds on Stuart's prestige in finance and economics, as well as the tradition of rigorous undergraduate education. The program requires the successful completion of 126 credit hours.

## Required Courses

Code	Title	Credit Hours
<b>Core Business Courses (48)</b>		
BUS 100	Introduction to Business and Economics	3
BUS 102	Introduction to Business Analytics	3
ECON 151	Microeconomics	3
ECON 152	Macroeconomics	3
BUS 211	Financial Accounting	3
BUS 212	Managerial Accounting	3
BUS 221	Business Statistics	3
BUS 301	Organizational Behavior	3
BUS 305	Operation and Supply Chain Analytics	3
BUS 311	Strategic Cost Management	3
BUS 321	Analytics for Optimization	3
BUS 341	Business Law	3
BUS 351	Financial Decision Making and Capital Budgeting	3
BUS 371	Marketing Fundamentals	3
ECON 382	Business Economics	3
BUS 480	Strategic Management and Design Thinking	3
<b>Financial Economics Courses (15)</b>		
ECON 251	Introduction to Econometrics	3
ECON 311	Intermediate Microeconomics	3
ECON 312	Intermediate Macroeconomics	3
Select a minimum of 6 credit hours from the following courses		6
BUS 452	International Finance	3
BUS 454	Investments	3
BUS 455	Corporate Finance	3
BUS 458	Financial Derivatives	3
ECON 383	Sports Economics	3
MATH 332	Elementary Linear Algebra	3
PS 360	Global Political Economy	3
PSYC 320	Applied Correlation and Regression	3
<b>Mathematics Requirement (5)</b>		
MATH 151	Calculus I	5
or MATH 191	Business Calculus	
<b>Natural Science and Engineering Requirements (10)</b>		

See Illinois Tech Core Curriculum, section D	10
<b>Humanities and Social Science Requirements</b>	<b>(21)</b>
See Illinois Tech Core Curriculum, sections B and C	21
<b>Computer Science Requirement</b>	<b>(2)</b>
CS 105 Introduction to Computer Programming or CS 110 Computing Principles	2
<b>Interprofessional Projects (IPRO)</b>	<b>(6)</b>
See Illinois Tech Core Curriculum, section E	6
<b>Free Electives</b>	<b>(13)</b>
Select 13 credit hours of electives	13
<b>Total Credit Hours</b>	<b>120</b>

Social Sciences Elective (300+ Level Course)	3	Humanities Elective (300+)	3
Humanities or Social Science Elective	3	Free Elective	3
Free Elective	3	Free Elective	4
Free Elective	3		
	<b>15</b>		<b>13</b>

**Total Credit Hours: 120**

## Bachelor of Science in Financial Economics Curriculum

Semester 1		Semester 2		Year 1
	Credit Hours		Credit Hours	Credit Hours
BUS 100	3	BUS 102	3	3
ECON 151	3	BUS 221	3	3
MATH 151	5	ECON 152	3	3
CS 105	2	Science Elective	4	4
Humanities (200+ Level Course)	3	Social Sciences Elective	3	3
	<b>16</b>		<b>16</b>	<b>16</b>

Semester 1		Semester 2		Year 2
	Credit Hours		Credit Hours	Credit Hours
BUS 211	3	BUS 212	3	3
BUS 301	3	BUS 341	3	3
BUS 321	3	BUS 351	3	3
ECON 311	3	ECON 312	3	3
Science Elective	3	Science Elective	3	3
	<b>15</b>		<b>15</b>	<b>15</b>

Semester 1		Semester 2		Year 3
	Credit Hours		Credit Hours	Credit Hours
BUS 311	3	BUS 305	3	3
BUS 371	3	ECON 382	3	3
ECON 251	3	Economics Elective	3	3
Social Sciences Elective (300+ Level Course)	3	Humanities Elective (300+ Level Course)	3	3
IPRO Elective I	3	IPRO Elective II	3	3
	<b>15</b>		<b>15</b>	<b>15</b>

Semester 1		Semester 2		Year 4
	Credit Hours		Credit Hours	Credit Hours
Economics Elective	3	BUS 480	3	3