

# B.S. in Financial Technology

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The FinTech degree program not only includes traditional finance coursework, but also provides an in-depth knowledge and understanding of the theories and evolution of FinTech, data-driven financial modeling, financial data mining and machine learning, financial data analytics, and new innovations in the financial sector. The primary goal of the program is to develop students who have the necessary skills and knowledge to pursue competitive professional and academic careers. Graduates from this program may work for FinTech startups which concentrate in cryptocurrency management and trading, blockchain technologies, open banking, insurtech, Robo-advisement, machine learning and data mining applications and cybersecurity. Some may work for traditional financial services companies, which are in need of staff with technical skill sets to improve existing business practices and/or develop new processes related to technological innovations.

(120 credit minimum)

## First Year

1st Semester		Credits
ACCT 115	Fundamentals of Financial Accounting	3
CS 103	Computer Science with Business Problems	3
ENGL 101	English Composition: Introduction to Academic Writing	3
MATH 135	Calculus for Business	3
MGMT 190	Introduction to Business	3
FYS SEM	First-Year Student Seminar	0
<b>Term Credits</b>		<b>15</b>

## 2nd Semester

MGMT 116	Quantitative Analysis Appl Bus	4
ECON 266	Macroeconomics	3
MGMT 290	Business Law I	3
CS 113	Introduction to Computer Science	3
ENGL 102	English Composition: Introduction to Writing for Research	3
<b>Term Credits</b>		<b>16</b>

## Second Year

### 1st Semester

MIS 245	Introduction to Management Information Systems	3
ECON 265	Microeconomics	3
MGMT 216	Business Data Analytics	3
History and Humanities GER 200 level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-200-level/</a> )		3
Natural Science GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/</a> )		3
<b>Term Credits</b>		<b>15</b>

### 2nd Semester

FIN 315	Fundamentals of Corporate Finance	3
MRKT 330	Principles of Marketing	3
OM 375	Business Operations Management and Analytics	3
CS 114	Introduction to Computer Science II	3
Natural Science GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/natural-science-ger/</a> )		4
<b>Term Credits</b>		<b>16</b>

## Third Year

### 1st Semester

FIN 218	Financial Markets and Institutions	3
HRM 301	Organizational Behavior	3
FIN 310	Data-Driven Financial Modeling	3
ENTR 320	Financing New Venture	3
MGMT 399	Career Planning and MFT	1

Free Elective		3
<b>Term Credits</b>		<b>16</b>
<b>2nd Semester</b>		
MIS 385	Database Systems for Managers	3
FIN 320	Fin Data Analytics	3
FIN 306	Blockchain Technology for Business	3
CPT 373	Web App Development for Mobile	3
History and Humanities GER 300+ level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/</a> )		3
<b>Term Credits</b>		<b>15</b>
<b>Fourth Year</b>		
<b>1st Semester</b>		
FIN 430	Options and Futures Markets	3
FIN 417	Investments Management	3
FIN 410	Data Mining & Machine Learning	3
History and Humanities GER 300+ level ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/ger-300-level/</a> )		3
Free Elective		3
<b>Term Credits</b>		<b>15</b>
<b>2nd Semester</b>		
MGMT 480	Managing Technology and Innovation	3
MGMT 416	Artificial Intelligence for Business Decisions	3
Humanities and Social Science Senior Seminar GER ( <a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/hss-capstone/</a> )		3
Free Elective		3
<b>Term Credits</b>		<b>12</b>
<b>Total Credits</b>		<b>120</b>