

Undergraduate Programs

BACHELOR OF SCIENCE IN BUSINESS

A business degree from the School of Business is one of the most challenging, yet rewarding experiences, you'll ever have. Choose from majors that emphasize advancing technologies and cutting-edge research with world class professors. Get real-world experience through corporate partnerships and prepare for exceptional career placement. Enjoy the benefits of our unique location, just minutes away from the world's business capital. You'll find many opportunities in just one place - the School of Business.

Business Majors:

- ▶ Accounting & Analytics
- ▶ Business & Technology
- ▶ Economics
- ▶ Finance
- ▶ Information Systems
- ▶ Management
- ▶ Marketing Innovation & Analytics

Major in Business & Technology

This major requires four courses in a Business concentration and four courses in Technology concentration (for a total of 8 courses for the major).

Technology Concentration

Choose coursework from approved list, available at the Center for Student Success in Babbio 303. If all 4 courses are taken in the same technology area, then this constitutes a "concentration". Otherwise, they are coconsidered electives.

Business Concentration

Students choose coursework from one of the six business concentrations:

Marketing Concentration (students select 4 courses from the following)

- ▶ BT 214 Market Analytics and Research
- ▶ BT 403 Marketing Strategy in a Digital World
- ▶ BT 435 Social Media and Network Analysis
- ▶ BT 445 Virtual and Physical Consumer Behavior
- ▶ BT 465 Integrated Marketing Communications
- ▶ BT 466 Data Analytics

Finance Concentration (students select 4 courses from the following)

- ▶ BT 325 Financial Statement Analysis or FIN510 Financial Statement Analysis
- ▶ BT 425 Portfolio Management
- ▶ BT 426 Equity Valuation
- ▶ QF 430 Introduction to Derivatives
- ▶ BT 440 Money, Banking and Financial Institutions
- ▶ BT 442 Fixed Income
- ▶ BT 454 International Economics and Finance

International Business Concentration (students select 4 courses from the following)

- ▶ 3-4 courses taken while studying abroad, with approval from Associate Dean
- ▶ Up to 1 international Business course taken at Stevens

Information Systems Concentration (students select 4 courses from the following)

- ▶ Whichever of the 3 courses (BT416 Business Process Management, BT421 Systems Analysis & Design, MIS460 IT Strategy or BT 466 Data Analytics) that the student didn't take as part of their required coursework
- ▶ BT 310 Programming for Mobile Applications
- ▶ BT 333 Database Management
- ▶ BT 353 Project Management
- ▶ BT 422 Decision Making
- ▶ BT 435 Social Media and Network Analysis

Management Concentration (select 4 courses from the following)

- ▶ BT 353 Project Management
- ▶ BT 422 Decision Making
- ▶ BT 447 Creativity and Innovation
- ▶ +1 "Management Elective" from approved list.

Economics Concentration (select 4 courses from the following)

- ▶ BT 343 Intermediate Macroeconomics
- ▶ BT 344 Intermediate Microeconomics
- ▶ QF 200 Financial Econometrics
- ▶ BT 440 Money, Banking and Financial Institutions
- ▶ BT 454 International Economics and Finance

*Business & Technology Curriculum***Term I**

Course #	Course Name	Lecture	Lab	Study	Credit
MA 117	Calculus for Business and Liberal Arts	3	1	8	4
PEP 123	Physics for Business & Technology I	2	2	4	3
BT 244	Microeconomics	3	0	6	3
MIS 201	Fundamentals of Information Systems	2	2	8	4
PE 200	Physical Education I	0	2	0	0
CAL 103	Writing And Communications Colloquium	3	0	6	3
	Total	13	7	32	17

Term II

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 105	CAL Colloquium: Knowledge, Nature, Culture	3	0	6	3
BT 100	Principles of Management	3	0	6	3
MA 119	Multivariable Calculus & Finite Mathematics	3	0	6	4
PEP 124 Or CH 115 Or BIO 281	Physics for Business & Technology II Or General Chemistry I Or Biology and Biotechnology	3	0	6	3
CS 105 Or CS 115	Introduction to Scientific Computing Or Introduction to Computer Science	2	2	6	3
PE 200	Physical Education II	0	2	0	0
	Total	14	4	30	16

Term III

Course #	Course Name	Lecture	Lab	Study	Credit
BT 221	Statistics	3	0	6	3
BT 223	Applied Models and Simulation	3	0	6	3
BT 321	Corporate Finance	3	0	6	3
	Humanities	3	0	6	3
PE 200	Physical Education III	0	2	0	0
BT 350	Marketing	3	0	6	3
BT 290	Business Career Seminar	0	1	1	0
	Total	15	3	31	15

Term IV

Course #	Course Name	Lecture	Lab	Study	Credit
BT 100	Principles of Management	3	0	6	3
BT 243	Macroeconomics	3	0	6	3
	Humanities	3	0	6	3
BT 215	Managerial Accounting	3	0	6	3
	Information Systems Requirement	3	0	6	3
PE 200	Physical Education IV	0	2	0	0
	Total	15	2	30	15

Term V

Course #	Course Name	Lecture	Lab	Study	Credit
	Technology Concentration ¹	3	0	6	3
	Technology Concentration ¹	3	0	6	3
	Business Concentration ²	3	0	6	3
BT 350	Information Systems Requirement	3	0	6	3
BT 360	International Business	3	0	6	3
	General Elective	3	0	6	3
	Total	18	0	36	18

Term VI

Course #	Course Name	Lecture	Lab	Study	Credit
	Technology Concentration ¹	3	0	6	3
BT 372	Entrepreneurship	3	0	6	3
	Business Concentration ²	3	0	6	3
	General Elective	3	0	6	3
BT 301	Strategy	3	0	6	3
	Total	15	0	30	15

Term VII

Course #	Course Name	Lecture	Lab	Study	Credit
	Business Concentration ²	3	0	6	3
BT 411	Senior Design I	1	2	4	3
BT 401	Advanced Strategy	3	0	6	3
BT 330	Social Psychology and Organizational Behavior	3	0	6	3
ISE 350	Logistics and Supply Chain Management	3	0	6	3
	Total	13	2	28	15

Term VIII

Course #	Course Name	Lecture	Lab	Study	Credit
	Business Concentration ²	3	0	6	3
BT 412	Senior Design II	1	2	6	3
BT 413	Business Law	3	0	6	3
	General Elective	3	0	6	3
	Technology Concentration ¹	3	0	6	3
	Total	13	2	30	15

1. Technology Concentrations offer a closer look at a particular technology discipline. Students choose four courses in the area they wish to concentrate.
2. Business concentrations offer a deeper dive into one of five areas- Finance, Marketing, Information Systems, International Business or Management. Students choose four courses in the area in which they wish to concentrate.

Accounting & Analytics Curriculum

Term I

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 103 ¹	Freshman Writing	3	0	6	3
MA 117	Calculus I	4	0	8	4
PEP 123	Physics for B&T (I)	3	0	6	3
MIS 201	Fundamentals of Information Systems w/ excel lab	2	2	8	4
BT 244	Microeconomics	3	0	6	3
PE 200 ²	Physical Education I	0	1	0	0
	Total	15	3	34	17

Term II

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 105 ¹	CAL Colloquium	3	0	6	3
MA 119	Multivariable Calculus & Finite Math	3	0	6	3
PEP 124, CH 115, CH 281, Or BIO 281	Physics for B&T (II), Chemistry I, Biology I Or Intro to Biology	3	0	6	3
CS 105	Intro to Scientific Computing	2	2	6	3
BT 200	Financial Accounting	3	0	6	3
PE 200 ²	Physical Education II	0	1	0	0
	Total	14	3	30	15

Term III

Course #	Course Name	Lecture	Lab	Study	Credit
HUM ¹	Humanities Requirement	3	0	6	3
BT 223	Applied Models and Simulation	3	0	6	3
BT 221	Statistics	3	0	6	3
BT 321	Corporate Finance	3	0	6	3
BT 350	Marketing	3	0	6	3
BT 290	Business Career Seminar	0	0	2	0
PE 200 ²	Physical Education III	0	1	6	0
	Total	15	1	38	15

Term IV

Course #	Course Name	Lecture	Lab	Study	Credit
HUM ¹	Humanities Requirement	3	0	6	3
	Analytics/IS Requirement	3	0	6	3
BT 243	Macroeconomics	3	0	6	3
BT 100	Principles of Management ³	3	0	6	3
BT 215	Managerial Accounting	3	0	6	3
PE 200 ²	Physical Education IV	0	1	0	0
	Total	15	1	30	15

Term V

Course #	Course Name	Lecture	Lab	Study	Credit
ACC 311	Intermediate I	3	0	6	3
ACC 351	Federal Taxation of Individuals	3	0	6	3
CS 115	Introduction to Computer Science	3	2	8	4
	Analytics/IS Requirement	3	0	6	3
BT 360	International Business ³	3	0	6	3
	General Elective	3	0	6	3
	Total	18	2	38	19

Term VI

Course #	Course Name	Lecture	Lab	Study	Credit
ACC 312	Intermediate II	3	0	6	3
ACC 421	Auditing	3	0	6	3
BT 466	Data Analytics	3	0	6	3
BT 301	Strategy	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

Term VII

Course #	Course Name	Lecture	Lab	Study	Credit
	Accounting Elective ⁴	3	0	6	3
	Analytics/IS Requirement ³	3	0	6	3
ISE 350	Operations Management	3	0	6	3
BT 411	Senior Design I	3	0	6	3
BT 401	Advanced Strategy	3	0	6	3
	Total	15	0	30	15

Term VIII

Course #	Course Name	Lecture	Lab	Study	Credit
	Accounting Elective ⁴	3	0	6	3
	Analytics/IS Requirement ³	3	0	6	3
BT 413	Business Law	3	0	6	3
BT 412	Senior Design II	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

1. Students are required to take two additional Humanities courses other than CAL103 and CAL105. One must be at the 100/200 level and one must be at the 300/400 level.
2. Students can use up to four semesters of Varsity and/or Club sports to fulfill the Physical Education requirement.
3. Choose Analytics/IS Requirement from the approved list.
4. Choose accounting electives from an approved list.

Masters of Science in Management with a Concentration in Accounting

Assumes no graduate courses were taken during undergraduate program, and that students are pursuing a MSM with a concentration in Accounting. Note that these courses do not necessarily need to be taken in this order, and are often taken based on what works best with the students' schedules.

Term VIII (Summer 1)

Course #	Course Name	Lecture	Lab	Study	Credit
MGT612	Leader Development	3	0	6	3
BIA652	Multivariate Data Analytics*	3	0	6	3
	Total	6	0	12	6

Term IX (Fall)

Course #	Course Name	Lecture	Lab	Study	Credit
FIN 510	Financial Statement Analysis	3	0	6	3
ACC	Accounting Elective	3	0	6	3
MGT 699	Strategic Management	3	0	6	3
MIS 674	Supply Chain Analytics*	3	0	6	3
	Total	12	0	24	12

Term X (Spring)

Course #	Course Name	Lecture	Lab	Study	Credit
ACC	Accounting Elective	3	0	3	3
MGT 671	Technology and Innovation Management	3	0	3	3
MGT 672	Marketing Analytics*	3	0	3	3
BI&A 636	Data Warehousing & Business Intelligence*	3	0	3	3
	Total	12	0	12	12

*These courses will allow the student to get a graduate certificate in Business Intelligence and Analytics. Alternatively, students can take another graduate certificate of their choosing such as Healthcare Leadership and Project Management.

Undergraduate Accounting Elective List

- ▶ Cost Accounting
- ▶ Advanced Accounting
- ▶ Advanced Tax
- ▶ Advanced Audit/Forensic
- ▶ Accounting Information Systems (AIS)
- ▶ Financial Statement Analysis
- ▶ Accounting Research
- ▶ International Accounting
- ▶ Government/ Non-profit Accounting
- ▶ Unstructured Financial Data Analysis (e.g. text mining of financial reports using python or perl)

*Economics Curriculum***Term I**

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 103	Writing & Communications Colloquium ¹	3	0	6	3
MA 117	Calculus for Business & Lib Arts	4	0	8	4
PEP 123	Physics for B&T	3	0	6	3
MIS 201	Fundamentals of Information Systems	3	0	6	3
BT 244	Microeconomics	2	2	8	4
PE 200	Physical Education I ²	0	1	0	0
	Total	15	3	34	17

Term II

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 105	Knowledge, Nature, Culture ¹	3	0	6	3
MA 119	Multivariate Calculus & Finite Math	3	0	6	3
PEP 124, CH 115, BIO 281, Or BIO 210	Physics for B&T (II), Chemistry I, Bio and Biotech., Or Intro to Bio. for non-sci./eng. majors	3	0	6	3
CS 105	Intro to Scientific Computing ⁶	2	2	6	3
BT 200	Financial Accounting	3	0	6	3
PE 200	Physical Education II ²	0	1	0	0
	Total	14	3	30	15

Term III

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 100-200 Level	3	0	6	3
BT 223	Applied Models & Simulation	3	0	6	3
BT 221	Statistics	3	0	6	3
BT 321	Corporate Finance	3	0	6	3
BT 350	Marketing	3	0	6	3
BT 290	Business Career Seminar	0	0	0	0
PE 200	Physical Education III ²	0	1	2	0
	Total	15	1	32	15

Term IV

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 300-400 Level	3	0	6	3
BT 243	Macroeconomics	3	0	6	3
BT 215	Managerial Accounting	3	0	6	3
BT 100	Principles of Management	3	0	6	3
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
PE 200	Physical Education IV ²	0	1	0	0
	Total	15	1	30	15

Term V

Course #	Course Name	Lecture	Lab	Study	Credit
BT 344	Intermediate Microeconomics	3	0	6	3
QF 200	Financial Econometrics	3	0	6	3
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
BT 360	International Business	3	0	6	3
	Technology Elective ⁴	3	0	6	3
	General Elective	3	0	6	3
	Total	18	0	36	18

Term VI

Course #	Course Name	Lecture	Lab	Study	Credit
BT 343	Intermediate Macroeconomics	3	0	6	3
	Technology Elective ⁴	3	0	6	3
BT 372	Entrepreneurship	3	0	6	3
BT 301	Strategy	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

Term VII

Course #	Course Name	Lecture	Lab	Study	Credit
BT 440	Money, Banking and Financial Institutions	3	0	6	3
BT 330	Social Psychology & Organizational Behavior	3	0	6	3
ISE 350	Logistics and Supply Chain Management	3	0	6	3
BT 411	Senior Design I	3	0	6	3
BT 401	Renamed Advanced Strategy	3	0	6	3
	Total	15	0	30	15

Term VIII

Course #	Course Name	Lecture	Lab	Study	Credit
	Economics Elective ⁵	3	0	6	3
BT 454	International Economics and Finance	3	0	6	3
BT 413	Business Law	3	0	6	3
BT 412	Senior Design II	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

1. Students are required to take two additional Humanities courses other than CAL103 and CAL105. One must be at the 100/200 level and one must be at the 300/400 level and be from two different disciplines.
2. Students can use up to four semesters of Varsity and/or Club sports to fulfill the Physical Education requirement.
3. Choose the IS Requirement from BT421 Systems Analysis and Design, BT416 Business Process Management, BT 466 Data Analytics or MIS460 IT Strategy.
4. Choose from an approved list of Technology Electives.
5. Choose from an approved list of Economics Electives (on back).
6. Students with computer science experience can take the more challenging course CS115, all others are advised to take CS105.

Economics Major Electives

- ▶ BT 214 Market Analytics and Research
- ▶ BT 403 Marketing Strategy in a Digital World
- ▶ BT 425 Portfolio Management
- ▶ BT 426 Equity Valuation
- ▶ BT 435 Social Media and Network Analysis
- ▶ QF 430 Derivatives

*Finance Curriculum***Term I**

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 103	Writing & Communications Colloquium ¹	3	0	6	3
MA 117	Calculus for Business & Lib Arts	4	0	8	4
PEP 123	Physics for B&T	3	0	6	3
MIS 201	Fundamentals of Information Systems	3	0	6	3
BT 244	Microeconomics	2	2	8	4
PE 200	Physical Education I ²	0	1	0	0
	Total	15	3	34	17

Term II

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 105	Knowledge, Nature, Culture ¹	3	0	6	3
MA 119	Multivariate Calculus & Finite Math	3	0	6	3
PEP 124, CH 115, BIO 281, Or BIO 210	Physics for B&T (II), Chemistry I, Bio and Biotech., Or Intro to Bio. for non-sci./eng. majors	3	0	6	3
CS 105	Intro to Scientific Computing ⁶	2	2	6	3
BT 200	Financial Accounting	3	0	6	3
PE 200	Physical Education II ²	0	1	0	0
	Total	14	3	30	15

Term III

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 100-200 Level	3	0	6	3
BT 223	Applied Models & Simulation	3	0	6	3
BT 221	Statistics	3	0	6	3
BT 321	Coprorate Finance	3	0	6	3
BT 350	Marketing	3	0	6	3
BT 290	Business Career Seminar	0	0	0	0
PE 200	Physical Education III ²	0	1	2	0
	Total	15	1	32	15

Term IV

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 300-400 Level	3	0	6	3
BT 243	Macroeconomics	3	0	6	3
BT 215	Managerial Accounting	3	0	6	3
BT 100	Principles of Management	3	0	6	3
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
PE 200	Physical Education IV ²	0	1	0	0
	Total	15	1	30	15

Term V

Course #	Course Name	Lecture	Lab	Study	Credit
BT 426	Equity Valuation	3	0	6	3
BT 440	Money, Banking and Financial Institutions	3	0	6	3
QF 103	Intro to Financial Tools & Tech	0	1	2	1
	Technology Elective ⁴	3	0	6	3
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
BT 360	International Business	3	0	6	3
	General Elective	3	0	6	3
	Total	18	1	38	19

Term VI

Course #	Course Name	Lecture	Lab	Study	Credit
BT 442	Fixed Income Analysis	3	0	6	3
BT 425	Portfolio Management	3	0	6	3
	Technology Elective ⁴	3	0	6	3
BT 301	Strategy	3	0	6	3
BT 372	Entrepreneurship	3	0	6	3
	General Elective	3	0	6	3
	Total	18	0	36	18

Term VII

Course #	Course Name	Lecture	Lab	Study	Credit
BT 325 Or FIN 510	Financial Statement Analysis	3	0	6	3
BT 330	Social Psychology & Organizational Behavior	3	0	6	3
ISE 350	Logistics and Supply Chain Mgt	3	0	6	3
BT 411	Senior Design I	3	0	6	3
BT 401	Advanced Strategy	3	0	6	3
	Total	15	0	30	15

Term VIII

Course #	Course Name	Lecture	Lab	Study	Credit
QF 430	Intro to Derivatives	3	0	6	3
	Finance Elective ⁵	3	0	6	3
BT 413	Business Law	3	0	6	3
BT 412	Senior Design II	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

1. In addition to CAL103 and CAL105, students must also take two more humanity courses. One must be at the 100/200 level and the other at the 300/400 level.
2. Students can use up to four semesters of Varsity and/or Club sports to fulfill the Physical Education requirement.
3. Choose the IS Requirement from BT421 Systems Analysis and Design, BT416 Bus. Process Mgt., BT466 Data Analytics, or MIS460 IT Strategy.
4. Choose from an approved list of Technology Electives.
5. Choose from an approved list of Economics Electives (on back).
6. Students with computer science experience can take the more challenging course CS115, all others are advised to take CS105.

Finance Major Electives

- ▶ BT 343 Intermediate Macroeconomics
- ▶ BT 344 Intermediate Microeconomics
- ▶ BT 454 International Economics and Finance
- ▶ QF 200 Financial Econometrics
- ▶ QF 202 Introduction to Financial Time Series
- ▶ QF 301 Advanced Time Series Analytics and Machine Learning (pre-reqs QF200 & F202)
- ▶ QF 302 Financial Market Microstructure and Trading
- ▶ QF 427 & QF 428 Investment Practicum I & II

(Graduate courses may apply)

*Information Systems Curriculum***Term I**

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 103	Writing & Communications Colloquium ¹	3	0	6	3
MA 117	Calculus for Business & Lib Arts	4	0	8	4
PEP 123	Physics for B&T	3	0	6	3
MIS 201	Fundamentals of Information Systems	3	0	6	3
BT 244	Microeconomics	2	2	8	4
PE 200	Physical Education I ²	0	1	0	0
	Total	15	3	34	17

Term II

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 105	Knowledge, Nature, Culture ¹	3	0	6	3
MA 119	Multivariate Calculus & Finite Math	3	0	6	3
PEP 124, CH 115, BIO 281, Or BIO 210	Physics for B&T (II), Chemistry I, Bio and Biotech., Or Intro to Bio. for non-sci./eng. majors	3	0	6	3
CS 105	Intro to Scientific Computing ⁵	2	2	6	3
BT 200	Financial Accounting	3	0	6	3
PE 200	Physical Education II ²	0	1	0	0
	Total	14	3	30	15

Term III

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 100-200 Level	3	0	6	3
BT 223	Applied Models and Simulation	3	0	6	3
BT 221	Statistics	3	0	6	3
BT 321	Corporate Finance	3	0	6	3
BT 350	Marketing	3	0	6	3
BT 290	Business Career Seminar	0	0	0	0
PE 200	Physical Education III ²	0	1	2	0
	Total	15	1	32	15

Term IV

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 300-400 Level	3	0	6	3
BT 243	Macroeconomics	3	0	6	3
BT 215	Managerial Accounting	3	0	6	3
BT 100	Principles of Management	3	0	6	3
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
PE 200	Physical Education IV ²	0	1	0	0
	Total	15	1	30	15

Term V

Course #	Course Name	Lecture	Lab	Study	Credit
BT 435	Social Media and Network Analysis	3	0	6	3
CS 115	Intro to Computer Science	3	2	8	4
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
BT 360	International Business	3	0	6	3
	Technology Elective ³	3	0	6	3
	General Elective	3	0	6	3
	Total	18	2	38	19

Term VI

Course #	Course Name	Lecture	Lab	Study	Credit
BT 310	Programming for Mobile Applications	3	0	6	3
BT 333	Database Management	3	0	6	3
BT 372	Entrepreneurship	3	0	6	3
BT 301	Strategy	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

Term VII

Course #	Course Name	Lecture	Lab	Study	Credit
BT 330	Social Psychology & Organizational Behavior	3	0	6	3
ISE 350	Logistics & Supply Chain Management	3	0	6	3
	Technology Elective ⁴	3	0	6	3
BT 411	Senior Design I	3	0	6	3
BT 401	Advanced Strategy	3	0	6	3
	Total	15	0	30	15

Term VIII

Course #	Course Name	Lecture	Lab	Study	Credit
BT 466	Data Analytics	3	0	6	3
BT 422	Decision Making	3	0	6	3
BT 413	Business Law	3	0	6	3
BT 412	Senior Design II	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

1. Students are required to take two additional Humanities courses other than CAL103 and CAL105. One must be at the 100/200 level and one must be at the 300/400 level, and be from two different disciplines.
2. Students can use up to four semesters of Varsity and/or Club sports to fulfill the Physical Education requirement.
3. Choose the IS Requirement from BT421 Systems Analysis and Design, BT416 Bus. Process Mgt., BT466 Data Analytics, or MIS460 IT Strategy.
4. Choose technology electives from a list of approved courses
5. Students with computer science experience can take the more challenging course of CS115, all others are advised to take CS105.

*Management Curriculum***Term I**

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 103	Writing & Communications Colloquium ¹	3	0	6	3
MA 117	Calculus for Business & Lib Arts	4	0	8	4
PEP 123	Physics for B&T	3	0	6	3
MIS 201	Fundamentals of Information Systems	3	0	6	3
BT 244	Microeconomics	2	2	8	4
PE 200	Physical Education I ²	0	1	0	0
	Total	15	3	34	17

Term II

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 105	Knowledge, Nature, Culture ¹	3	0	6	3
MA 119	Multivariate Calculus & Finite Math	3	0	6	3
PEP 124, CH 115, BIO 281, Or BIO 210	Physics for B&T (II), Chemistry I, Bio and Biotech., Or Intro to Bio. for non-sci./eng. majors	3	0	6	3
CS 105	Intro to Scientific Computing ⁶	2	2	6	3
BT 200	Financial Accounting	3	0	6	3
PE 200	Physical Education II ²	0	1	0	0
	Total	14	3	30	15

Term III

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 100-200 Level	3	0	6	3
BT 223	Applied Models and Simulation	3	0	6	3
BT 221	Statistics	3	0	6	3
BT 321	Corporate Finance	3	0	6	3
BT 350	Marketing	3	0	6	3
BT 290	Business Career Seminar	0	0	0	0
PE 200	Physical Education III ²	0	1	2	0
	Total	15	1	32	15

Term IV

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 300-400 Level	3	0	6	3
BT 243	Macroeconomics	3	0	6	3
BT 215	Managerial Accounting	3	0	6	3
BT 100	Principles of Management	3	0	6	3
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
PE 200	Physical Education IV ²	0	1	0	0
	Total	15	1	30	15

Term V

Course #	Course Name	Lecture	Lab	Study	Credit
BT 353	Project Management	3	0	6	3
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
BT 360	International Business	3	0	6	3
	Technology Elective ⁴	3	0	6	3
	Technology Elective ⁴	3	0	6	3
	General Elective	3	0	6	3
	Total	18	0	36	18

Term VI

Course #	Course Name	Lecture	Lab	Study	Credit
BT 422	Decision Making	3	0	6	3
	Management Elective ⁵	3	0	6	3
BT 372	Entrepreneurship	3	0	6	3
BT 301	Strategy	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

Term VII

Course #	Course Name	Lecture	Lab	Study	Credit
BT 447	Creativity and Innovation	3	0	6	3
BT 330	Social Psychology & Organizational Behavior	3	0	6	3
ISE 350	Logistics & Supply Chain Mgmt	3	0	6	3
BT 411	Senior Design I	3	0	6	3
BT 401	Renamed Advanced Strategy	3	0	6	3
	Total	15	0	30	15

Term VIII

Course #	Course Name	Lecture	Lab	Study	Credit
	Management Elective ⁵	3	0	6	3
	Management Elective ⁵	3	0	6	3
BT 413	Business Law	3	0	6	3
BT 412	Senior Design II	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

1. Students are required to take two additional Humanities courses other than CAL103 and CAL105. One must be at the 100/200 level and one must be at the 300/400 level, from two different disciplines.
2. Students can use up to four semesters of Varsity and/or Club sports to fulfill the Physical Education requirement.
3. Choose the IS Requirement from BT421 Systems Analysis and Design, BT416 Bus. Process Mgt., BT466 Data Analytics, or MIS460 IT Strategy.
4. Choose technology electives from a list of preapproved courses.
5. Choose management elective from a list of preapproved courses (on back).
6. Students with computer science experience can take the more challenging course CS115, all others are advised to take CS105.

Management Major Electives

- ▶ MGT 472 Venture Capital
- ▶ BT 419 Entrepreneurship Practicum
- ▶ HPL 456 Ethics of Business and Technology
- ▶ BT 403 Marketing Strategy in a Digital World

(Graduate courses may apply)

*Marketing Innovation & Analytics Curriculum***Term I**

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 103	Writing & Communications Colloquium ¹	3	0	6	3
MA 117	Calculus for Business & Lib Arts	4	0	8	4
PEP 123	Physics for B&T	3	0	6	3
MIS 201	Fundamentals of Information Systems	3	0	6	3
BT 244	Microeconomics	2	2	8	4
PE 200	Physical Education I ²	0	1	0	0
	Total	15	3	34	17

Term II

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 105	Knowledge, Nature, Culture ¹	3	0	6	3
MA 119	Multivariate Calculus & Finite Math	3	0	6	3
PEP 124, CH 115, BIO 281, Or BIO 210	Physics for B&T (II), Chemistry I, Bio and Biotech., Or Intro to Bio. for non-sci./eng. majors	3	0	6	3
CS 105	Intro to Scientific Computing ⁶	2	2	6	3
BT 200	Financial Accounting	3	0	6	3
PE 200	Physical Education II ²	0	1	0	0
	Total	14	3	30	15

Term III

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 100-200 Level	3	0	6	3
BT 223	Applied Models & Simulation	3	0	6	3
BT 221	Statistics	3	0	6	3
BT 321	Corporate Finance	3	0	6	3
BT 350	Marketing	3	0	6	3
BT 290	Business Career Seminar	0	0	0	0
PE 200	Physical Education III ²	0	1	2	0
	Total	15	1	32	15

Term IV

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹ 300-400 Level	3	0	6	3
BT 243	Macroeconomics	3	0	6	3
BT 215	Managerial Accounting	3	0	6	3
BT 100	Principles of Management	3	0	6	3
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
PE 200	Physical Education IV ²	0	1	0	0
	Total	15	1	30	15

Term V

Course #	Course Name	Lecture	Lab	Study	Credit
BT 214	Marketing Analytics & Research	3	0	6	3
BT 421, BT 416, BT 466 Or MIS 460	IS Requirement ³	3	0	6	3
BT 360	International Business	3	0	6	3
	Technology Elective ⁴	3	0	6	3
	Technology Elective ⁴	3	0	6	3
	General Elective	3	0	6	3
	Total	18	0	36	18

Term VI

Course #	Course Name	Lecture	Lab	Study	Credit
BT 403	Marketing Strategy in a Digital World	3	0	6	3
BT 445	Virtual and Physical Consumer Behavior	3	0	6	3
BT 465	Integrated Marketing Communications	3	0	6	3
BT 301	Strategy	3	0	6	3
BT 372	Entrepreneurship	3	0	6	3
	Total	15	0	30	15

Term VII

Course #	Course Name	Lecture	Lab	Study	Credit
BT 435	Social Media and Network Analysis	3	0	6	3
BT 330	Social Psychology & Organizational Behavior	3	0	6	3
ISE 350	Logistics & Supply Chain Mgt	3	0	6	3
BT 411	Senior Design I	3	0	6	3
BT 401	Advanced Strategy	3	0	6	3
	Total	15	0	30	15

Term VIII

Course #	Course Name	Lecture	Lab	Study	Credit
BT 466	Data Analytics	3	0	6	3
BT 413	Business Law	3	0	6	3
BT 412	Senior Design II	3	0	6	3
	General Elective	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

1. Students are required to take two additional Humanities courses other than CAL103 and CAL105. One must be at the 100/200 level and one must be at the 300/400 level.
2. Students can use up to four semesters of Varsity and/or Club sports to fulfill the Physical Education requirement.
3. Choose the IS Requirement from BT421 Systems Analysis and Design, BT416 Bus. Process Mgt., BT466 Data Analytics, or MIS460 IT Strategy.
4. Choose from an approved list of Technology Electives.
5. Students with computer science experience can take the more challenging course CS115, all others are advised to take CS105.

Bachelor of Science in Quantitative Finance

The Stevens QF program has been designed to provide students with a thorough and rigorous foundation in this multi-disciplinary field. Students will be selected for strong quantitative aptitude, high motivation and work ethic, and a strong interest in the field of business and finance.

Over the course of eight semester terms, through approximately 140 credit-hours of course work, students may choose to follow one out of four main “threads” in the QF curriculum.

Accounting: this thread draws on the advanced accounting curriculum and is designed to give an indepth look into the field of accounting. Students will begin with intermediate Accounting 1 and 2 and choose from several electives that will focus on specialized areas in accounting.

Required Coursework:

- ▶ ACC 311 Intermediate Accounting I
- ▶ ACC 312 Intermediate Accounting II

Optional:

- ▶ ACC 421 Auditing
- ▶ ACC 431 Advanced Topics in Accounting
- ▶ ACC 352 Federal Taxation of Business Entities
- ▶ ACC XXX Accounting Regulation (under construction)

Quantitative Methods: this thread draws on the curriculum of Stevens’ Mathematics department and includes a minimum of one year of calculus, and one year of probability and statistics. Electives in this thread extend to more advanced calculus (multivariable, stochastic) and other quantitative techniques used in advanced financial applications.

Required Coursework:

- ▶ MA 232 Linear Algebra
- ▶ MA 331 Intermediate Statistics
- ▶ MA 450 Special Topics
- ▶ FE 530 Intro to Financial Engineering

Computer Science: this thread draws on the curriculum offered by the Stevens Computer Science department (in the School of Science and Engineering). It begins at the introductory level, and includes seven core courses, building to a reasonable proficiency in C++, basic financial modeling tools and techniques, and an intermediate level of proficiency in web- based programming; beyond the required core. There are elective courses in fields such as data mining, machine learning and computerized trading platform architectures for students interested in developing advanced computer science capabilities.

Required Coursework:

- ▶ CS 442 Databases
- ▶ CS 559 Machine Learning

Options:

- ▶ CS 599 Machine Learning: Fundamentals and Applications
- ▶ QF 465 Advanced Topics in Financial Computer Science
- ▶ FE 550 Data Visualization Application
- ▶ BIA 660 Web Analytics
- ▶ CS 546 Web Mining

Finance & Economics: (including Financial Engineering): this thread draws on both the Business & Technology Program (Steven's successful undergraduate business degree) and the graduate program in Financial Engineering (in the School of Systems & Enterprises). It encompasses the standard business and finance foundation disciplines such as accounting, economics, corporate and international finance and capital markets—as well as QF—specific topics such as financial engineering, risk management, and market regulation & securities law. Electives drawn principally from the Financial Engineering department cover advanced topics such as derivatives pricing, hedging strategies, fixed income securities and computational finance.

Required Coursework:

- ▶ BT 426 Equity Valuation
- ▶ BT 440 Money, Banking and Financial Institutions
- ▶ BT 442 Fixed Income
- ▶ BT 454 International Finance and Economics

Options:

- ▶ BT 343 Intermediate Macroeconomics
- ▶ BT 344 Intermediate Microeconomics
- ▶ BT 425 Portfolio Management
- ▶ BT 426 Equity Valuation

*Quantitative Finance Curriculum***Term I**

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 103	Writing & Communications Colloquium ¹	3	0	6	3
MA 121; MA 122	Differential Calculus; Integral Calculus	4	0	8	4
QF 1xx	Fundamentals of Probability for QF	3	0	6	3
CS 110	Creative Problem Solving Computing	2	2	6	3
QF 101	Introduction to Quantitative Finance I	3	0	6	3
QF 103L	Intro to Financial Tools & Tech	0	1	2	1
PE 200	Physical Education I ²	0	1	0	0
	Total	15	4	34	18

Term II

Course #	Course Name	Lecture	Lab	Study	Credit
CAL 105	Knowledge, Nature, Culture ¹	3	0	6	3
MA 123; MA 124	Series, Vectors, Functions & Surfaces; Calculus for Two Variable	4	0	8	4
CS 115	Intro to Computer Science	3	1	8	4
QF 102	Introduction to Quantitative Finance II	3	0	6	3
QF 112	Statistics for Quantitative Finance	3	0	6	3
QF 104L	Data Management in R	0	1	2	1
PE 200	Physical Education II ²	0	1	0	0
	Total	16	3	36	18

Term III

Course #	Course Name	Lecture	Lab	Study	Credit
MA 221	Differential Equations	4	0	8	4
CS 135	Discrete Structures	3	1	8	4
QF 200	Financial Econometrics	3	0	6	3
BT 200	Financial Accounting	3	0	6	3
QF2xx	Advanced Probability and Stochastic Processes for QF	3	1	6	3
BT 290	Business Career Seminar	0	0	0	0
PE 200	Physical Education III ²	0	1	0	0
	Total	16	3	34	18

Term IV

Course #	Course Name	Lecture	Lab	Study	Credit
QF 202	Financial Time Series	3	0	6	3
MA 230	Multivariate Calculus & Optimization	3	0	6	3
CS 284	Data Structures	4	0	8	4
BT 321	Corporate Finance	3	1	6	3
BT 244	Microeconomics	3	0	6	3
PE 200	Physical Education IV ²	0	1	0	0
	Total	16	2	32	17

Term V

Course #	Course Name	Lecture	Lab	Study	Credit
QF 301	Advanced Time Series Analytics and Machine Learning	3	0	6	3
QF 435	Risk Management for Capital Markets	3	0	6	3
CS 385	Algorithms	4	0	8	4
BT 325 Or FIN 510	Financial Statement Analysis	3	0	6	3
	QF Concentration ⁴	3	0	6	3
	Science Requirement	3	0	0	
	Total	19	0	32	19

Term VI

Course #	Course Name	Lecture	Lab	Study	Credit
HPL 456	Ethics of Business & Technology	3	0	6	3
QF 302	Financial Market Microstructure and Trading	3	0	6	3
QF 343	Intro. To Stochastic Calculus for QF	3	1	6	3
	Humanities Elective	3	0	6	3
	QF Concentration ⁴	3	0	6	3
	QF Elective ⁵	3	0	6	3
	Total	18	1	36	18

Term VII

Course #	Course Name	Lecture	Lab	Study	Credit
QF 430	Intro to Derivatives	3	0	6	3
	QF Concentration ⁴	3	0	6	3
QF 401	Senior Design Research Projects in Quantitative Finance I	3	0	6	3
	QF Elective ⁵	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

Term VIII

Course #	Course Name	Lecture	Lab	Study	Credit
	Humanities Requirement ¹	3	0	6	3
	QF Concentration ⁴	3	0	6	3
QF 402	Senior Design Research Projects in Quantitative Finance II	3	0	6	3
	QF Elective ⁵	3	0	6	3
	General Elective	3	0	6	3
	Total	15	0	30	15

1. Students are required to take two additional Humanities courses other than CAL103 and CAL105. One must be at the 100/200 level and one must be at the 300/400 level. Courses must cover at least two different disciplines.
2. All students must complete a minimum of four semesters of Physical Education (P.E.) in non-repeating courses. No credit or grades are awarded for P.E. classes. Participation in varsity sports may be used to satisfy up to three credits of the P.E. requirement.
3. Choose from a list of approved science courses.
4. Choose a QF concentration from Quantitative Methods, Computer Science or Finance and Economics
5. Choose from a list of approved QF electives.

1. Students on a Varsity team only need to take one PE course as their Varsity sport counts for three PE courses.

Note that PE courses can be taken at any time before graduating.

2. Students must select one course from the following science courses:

- ▶ PEP 123 Physics for B&T I
- ▶ PEP 111 Mechanics
- ▶ CH 115 General Chemistry I
- ▶ CH 281 Biology
- ▶ PEP 151 Introduction to Astronomy

3. Students can select one of the following QF concentrations:

Quantitative Methods (4 courses)

- ▶ MA 232 Linear Algebra
- ▶ MA 331 Intermediate Statistics
- ▶ MA 450 Special Topics
- ▶ FE 530 Intro to Financial Engineering

Computer Science (choose 4 from below)

- ▶ CS 442 Databases
- ▶ CS 559 Machine Learning: Fundamentals and Applications
- ▶ FE 550 Data Visualization Application
- ▶ BIA 660 Web Analytics
- ▶ CS 546 Web Programming
- ▶ QF XXX Web Technologies for Finance (under development*)
- ▶ QF XXX Data Visualization for Finance (under development*)

Finance and Economics (choose 4 from below)

- ▶ BT 343 Intermediate Macroeconomics
- ▶ BT 344 Intermediate Microeconomics
- ▶ BT 425 Portfolio Management
- ▶ BT 426 Equity Valuation
- ▶ BT 440 Money, Banking and Financial Institutions
- ▶ BT 442 Fixed Income
- ▶ BT 454 International Economics and Finance

4. Students are required to take two additional Humanities courses other than CAL103 and CAL105. Courses must cover at least two different disciplines. One must be at the 100/200 level and one at the 300/400 level.

5. Students can choose from a variety of QF electives with approval from advisor.

Please see School of Business Student Support Center for a list of approved electives.

*These courses are being developed. Courses can be substituted.

Business Minors

All students must fulfill the requirement of the minor. In all cases students must take at least 3 courses that are not part of their required degree requirements. General Electives and Tech Electives can be applied towards the minor.

Business Students: BSB/QF students cannot receive a minor in the same field as their concentration or major. For example, a Business and Technology Major concentrating in Finance, cannot also minor in Finance.

Accounting Minor

- ▶ ACC 311 Intermediate Accounting I
- ▶ ACC 312 Intermediate Accounting II
- ▶ ACC 351 Federal Taxation of Individuals
- ▶ ACC 421 Auditing
- ▶ BT 200 Introductory Financial Accounting
- ▶ BT 215 Introductory managerial Accounting

Marketing Minor

- ▶ BT 214 Marketing Analytics & Research (BT 350 prerequisite)
- ▶ BT 350 Marketing (no prerequisite)
- ▶ BT 403 Marketing Strategy in a Digital World (BT 350 prerequisite)
- ▶ BT 435 Social Media and Network Analysis (BT 350 prerequisite)
- ▶ BT 445 Consumer Behavior
- ▶ BT 465 Integrated Marketing Communications (BT 350 prerequisite)

Finance Minor*

- ▶ BT 200 Financial Accounting (no prerequisite)
- ▶ BT 321 Corporate Finance (BT 200 prerequisite)
- ▶ BT 425 Portfolio Management (BT 321 prerequisite)
- ▶ BT 426 Equity Valuation (BT 321 prerequisite)
- ▶ QF 430 Introduction to Derivatives (BT 321 prerequisite)
- ▶ BT 440 Money, Banking and Financial Institutions (BT 321 prerequisite)

*Quantitative Finance students cannot minor in finance

International Business Minor

- ▶ BT 100 Principles of Management
- ▶ BT 360 International Business

Plus 4 courses in international business, international economics or cross-cultural studies while studying abroad. These courses require approval from an Associate Dean of the School of Business Undergraduate Studies.

Entrepreneurship Minor*Entrepreneurship Minor for Business students*

- ▶ BT 244 Microeconomics
- ▶ BT 372 Entrepreneurship (not required major course for QF students)
- ▶ BT 419 Entrepreneurial Practicum (BT 372 prerequisite) (MGT elective)*
- ▶ BT 200 Financial Accounting
- ▶ BT 447 Creativity and Innovation (MGT required course)
- ▶ MGT 472 Assessment and Financing of Technical Business Opportunities (MGT elective)*

*Students majoring in Management may use these courses as Management electives

Entrepreneurship Minor for non-Business students

- ▶ BT 244 Microeconomics (required for Engineering Management majors)
- ▶ BT 372 Entrepreneurship
- ▶ BT 419 Entrepreneurial Practicum (BT 372 prerequisite)
- ▶ E 355 Engineering Economy or BT 200 - Financial Accounting
- ▶ MGT 472 Assessment and Financing of Technical Business Opportunities
- ▶ MGT103 Introduction to Entrepreneurship

Information Systems Minor

Requirements for a minor in Information Systems (not available to majors in Computer Science, Computer Engineering, Cybersecurity, Information Systems, and Service-Oriented Computing):

- ▶ BT 333 Database Management
- ▶ BT 416 Business Process Management*
- ▶ BT 421 Systems Analysis and Design*
- ▶ CS 115 Introduction to Computer Science or CS 105 - Introduction to Programming
- ▶ MIS 201 Fundamentals of Information Systems with Excel Lab
- ▶ MGT 460 IT Strategy*

*Note BSB students are required to take two IS requirements and can choose from BT 416/BT 421/MIS 460

Quantitative Finance Minor

- ▶ QF 101 Introduction to Quantitative Finance I
- ▶ QF 102 Introduction to Quantitative Finance II (no prerequisite but preferred to take QF 101 and QF102 in sequence)
- ▶ QF 103 Basic Financial Tools
- ▶ BT 200 Financial Accounting (no prerequisite)
- ▶ BT 321 Corporate Finance (BT 200 prerequisite)
- ▶ QF430 Introduction to Derivatives (BT 321 prerequisite)
- ▶ FE 535 Introduction to Financial Risk Management

Plus one of the following:

- ▶ QF 200 Financial Econometrics (QF101/QF102 and Statistics course prerequisites)
- ▶ QF 202 Financial Time Series (QF101/QF102 and Statistics course prerequisites)
- ▶ FE 530 Introduction to Financial Engineering (QF101/QF102 and Statistics course prerequisites)

Economics Minor

Economics minor for BSB non-Economic major Students:

Required:

- ▶ BT 215 (or equivalent, e.g., EM 301) Managerial Accounting
- ▶ BT 321 Corporate Finance
- ▶ BT 243 Macroeconomics
- ▶ BT 244 Microeconomics
- ▶ BT 343 Intermediate Macroeconomics
- ▶ BT 344 Intermediate Microeconomics

Plus one course from among the following:

- ▶ BT 454 International Economics and Finance
- ▶ QF 200 Financial Econometrics

Economics Minor for Quantitative Finance Students:

Required:

- ▶ BT 200 Financial Accounting
- ▶ BT 321 Corporate Finance
- ▶ BT 243 Macroeconomics
- ▶ BT 244 Microeconomics
- ▶ BT 343 Intermediate Macroeconomics
- ▶ BT 344 Intermediate Microeconomics

Plus one course from among the following:

- ▶ BT 454 International Economics and Finance
- ▶ QF 200 Financial Econometrics

Economics Minor for All Non-Business Students:

Required:

- ▶ E 355 Engineering Economy (E 356 for science, arts & letters majors)
- ▶ BT 243 Macroeconomics
- ▶ BT 244 Microeconomics
- ▶ BT 343 Intermediate Macroeconomics
- ▶ BT 344 Intermediate Microeconomics
- ▶ BT 454 International Economics and Finance
- ▶ QF 200 Financial Econometrics

Graduation Requirements*Physical Education Requirements*

- ▶ All undergraduate students must complete a minimum of four semesters of Physical Education (P.E.). A large number of activities are offered in lifetime, team and wellness areas.
- ▶ Students can use up to four semesters of Varsity and/or Club sports to fulfill the Physical Education requirement.

Note: Student may repeat Physical Education class but the repeated course (excluding varsity and club sports) will not count toward the graduation requirement.

Humanities Requirement

All undergraduate students are required to fulfill certain Humanities requirements in order to graduate. Please see pages 599-600 for a breakdown of specific requirements by program.