



### ***Twin Cities Campus***

## **Finance B.S.B.**

*Finance*

### **Curtis L. Carlson School of Management**

- Program Type: Baccalaureate
- Requirements for this program are current for Spring 2022
- Required credits to graduate with this degree: 120
- Required credits within the major: 75 to 81
- Degree: Bachelor of Science in Business

Finance is about understanding economic value. Specifically how the decisions made by firms determine the economic value of firms or investment opportunities.

Since all firms must invest capital (cash) to operate and grow, all firms simultaneously compete with each other, and all other investment opportunities, for capital in Capital Markets. Finance professionals estimate and evaluate economic value and risk focusing on estimating future cash flow and using information from Capital Markets.

Finance professionals include economists, operating managers, financial analysts, data scientists, researchers, investors, and financial advisors.

Finance professionals are quantitative & analytical utilizing mathematical tools and building models to inform decision making.

Finance professionals are curious, researching, and understanding firms and markets.

Finance professionals are strong communicators, helping colleagues understand the financial implications of their business decisions and investment opportunities

Finance professionals are comfortable with ambiguity, recognizing, and quantifying the economic impact of risk and uncertainty.

## **Program Delivery**

This program is available:

- via classroom (the majority of instruction is face-to-face)

## **Admission Requirements**

Freshman and transfer students are usually admitted to pre-major status before admission to this major

A GPA above 2.0 is preferred for the following:

- 3.00 transferring from another University of Minnesota college
- 3.00 transferring from outside the University

Students in the school have no restrictions on declaring the major but must complete the five-tool courses before continuing with the major requirements. Students from outside of the school must meet overall admission standards to enter this major, including completion of microeconomics, macroeconomics, and calculus prior to admission. Transfer students will also need to complete statistics and financial accounting before starting on the major coursework but may do so after admission.

For information about University of Minnesota admission requirements, visit the [Office of Admissions website](#).

### **Required prerequisites**

#### **Tool Courses**

##### **Microeconomics**

[ECON 1101](#) - Principles of Microeconomics [SOCS, GP] (4.0 cr)  
or [APEC 1101](#) - Principles of Microeconomics [SOCS, GP] (4.0 cr)  
or [APEC 1101H](#) - Principles of Microeconomics [SOCS, GP] (4.0 cr)

##### **Macroeconomics**

[ECON 1102](#) - Principles of Macroeconomics (4.0 cr)  
or [APEC 1102](#) - Principles of Macroeconomics (3.0 cr)

##### **Calculus**

[MATH 1142](#) - Short Calculus [MATH] (4.0 cr)  
or [MATH 1271](#) - Calculus I [MATH] (4.0 cr)  
or [MATH 1571H](#) - Honors Calculus I [MATH] (4.0 cr)  
or [MATH 1371](#) - CSE Calculus I [MATH] (4.0 cr)

##### **Accounting**

[ACCT 2051](#) - Introduction to Financial Reporting (4.0 cr)  
or [ACCT 2051H](#) - Honors: Introduction to Financial Reporting (4.0 cr)



### Statistics

[BA 2551](#) - Business Statistics in R [MATH] (4.0 cr)  
or [STAT 3011](#) - Introduction to Statistical Analysis [MATH] (4.0 cr)  
or [STAT 3021](#) - Introduction to Probability and Statistics (3.0 cr)  
or [STAT 3022](#) - Data Analysis (4.0 cr)  
or [PSY 3801](#) - Introduction to Psychological Measurement and Data Analysis [MATH] (4.0 cr)  
or [SOC 3811](#) - Social Statistics [MATH] (4.0 cr)  
or [IE 3521](#) - Statistics, Quality, and Reliability (4.0 cr)  
or [EE 3025](#) - Statistical Methods in Electrical and Computer Engineering (3.0 cr)  
or [CEGE 3102](#) - Uncertainty and Decision Analysis (3.0 cr)  
or [ANSC 3011](#) - Statistics for Animal Science (4.0 cr)  
or [STAT 4101](#) - Theory of Statistics I (4.0 cr)  
[STAT 4102](#) - Theory of Statistics II (4.0 cr)  
or [STAT 5101](#) - Theory of Statistics I (4.0 cr)  
[STAT 5102](#) - Theory of Statistics II (4.0 cr)  
or [MATH 5651](#) - Basic Theory of Probability and Statistics (4.0 cr)  
[MATH 5652](#) - Introduction to Stochastic Processes (4.0 cr)

### General Requirements

All students are required to complete general University and college requirements including writing and liberal education courses. For more information about University-wide requirements, see the [liberal education requirements](#). Required courses for the major or minor in which a student receives a D grade (with or without plus or minus) do not count toward the major or minor (including transfer courses).

### Program Requirements

At least 50% (23 cr) of the upper-division major credits must be completed at the University of Minnesota, Twin Cities campus.

Students may not complete both a Finance major and a Finance and Risk Management Insurance major due to overlap of requirements.

### Lower Division Requirements

#### Management

Students entering the program as freshmen or sophomores take MGMT 1001. Students who transfer in as juniors complete MGMT 3001 instead.

[BA 1011](#) - Leading Self & Teams (2.0 cr)  
or [MGMT 1001H](#) - Honors: Contemporary Management (3.0 cr)  
or [MGMT 3001](#) - Fundamentals of Management (3.0 cr)

#### Corporate Responsibility & Ethics

[BA 2005](#) - Business Ethics, Corporate Responsibility & Sustainability [CIV] (3.0 cr)  
or [BA 2005H](#) - Business Ethics, Corporate Responsibility and Sustainability [CIV] (3.0 cr)

#### Psychology

[PSY 1001](#) - Introduction to Psychology [SOCS] (4.0 cr)  
or [PSY 1001H](#) - Honors Introduction to Psychology [SOCS] (4.0 cr)

#### Career Skills

[BA 2021](#) - Design Your Career (1.0 cr)  
or [IBUS 2021](#) - Design Your Career in a Global Context (2.0 cr)

### Immersion Core

Students complete the Immersion Core as a cohort.

While not currently required, students are strongly encouraged to complete BA 1001 Analyzing Business Problems Using Excel, prior to taking the Immersion Core.

[SCO 3001](#) - Sustainable Supply Chain and Operations (3.0 cr)  
[MGMT 3004](#) - Strategic Management (3.0 cr)  
[FINA 3001](#) - Finance Fundamentals (3.0 cr)  
or [FINA 3001H](#) - Honors: Finance Fundamentals (3.0 cr)  
[MKTG 3001](#) - Principles of Marketing (3.0 cr)  
or [MKTG 3001H](#) - Honors: Principles of Marketing (3.0 cr)

### Additional Core Requirements

#### Information Systems

[IDSC 3001](#) - Information Systems & Digital Transformation [TS] (3.0 cr)  
or [IDSC 3001H](#) - Honors: Information Systems for Business Processes and Management (3.0 cr)



#### Human Resources

- HRIR 3021 - Human Capital Management (3.0 cr)  
or HRIR 3021H - Honors: Human Capital Management (3.0 cr)  
or IBUS 3021 - Human Capital Management (4.0 cr)

#### Managerial Accounting

- ACCT 3001 - Strategic Management Accounting (3.0 cr)  
or IBUS 3002 - Strategic Management Accounting (4.0 cr)

#### Business Communications

- BA 3033W - Business Communication [WI] (3.0 cr)  
or IBUS 3033W - Business Communication in a Global Context [WI] (4.0 cr)

#### Major Courses

- ACCT 5101 - Intermediate Accounting I (4.0 cr)  
FINA 4121 - Financial Markets and Interest Rates (2.0 cr)  
FINA 4221 - Principles of Corporate Finance (2.0 cr)  
FINA 4321 - Portfolio Management and Performance Evaluation (2.0 cr)  
FINA 4422 - Financial Modeling (2.0 cr)  
FINA 4522 - Options & Derivatives I (2.0 cr)

#### Electives

Take 8 or more credit(s) from the following:

- ACCT 5161 - Financial Statement Analysis (2.0 cr)
- FINA 4122 - Banks, Banking Services, and FinTech (2.0 cr)
- FINA 4234 - Mergers and Acquisitions In Action – Process and Valuation (2.0 cr)
- FINA 4242W - Corporate Investment Decisions [WI] (4.0 cr)
- FINA 4325 - Behavioral Finance (2.0 cr)
- FINA 4329 - Security Analysis Capstone (2.0 cr)
- FINA 4529 - Derivatives II Capstone (2.0 cr)
- FINA 4621 - The Global Economy (Macro) (2.0 cr)
- FINA 4622 - International Finance (2.0 cr)
- FINA 4920 - FinanceTopics (2.0 - 4.0 cr)
- FINA 5422 - Financial Econometrics and Computational Methods I (2.0 cr)
- FINA 5423 - Financial Econometrics and Computational Methods II (2.0 cr)
- IBUS 4125 - Global Banking: A Survey of Regulatory and Competitive Developments Post Financial Crisis (4.0 cr)

#### International Experience

Students must complete an international experience as part of the program requirements. Short-term or semester-length programs may be used to meet this requirement. Students should attend an International Experience (IE) 101 workshop early in their program to begin planning.

#### Upper-division Writing Intensive within the major

Students are required to take one upper-division Writing Intensive course within the major. If that requirement has not been satisfied within the core major requirements, students must choose one course from the following list. Some of these courses may also fulfill other major requirements.

Take 0 - 1 course(s) from the following:

- FINA 4242W - Corporate Investment Decisions [WI] (4.0 cr)
- BA 3033W - Business Communication [WI] (3.0 cr)
- IBUS 3033W - Business Communication in a Global Context [WI] (4.0 cr)

## Program Sub-plans

A sub-plan is not required for this program.

#### Integrated BS in Business/Master in HRIR

This integrated program provides a unique opportunity for Carlson students to obtain an advanced degree more quickly and prepare themselves to lead in the shifting landscape of the global marketplace. The integrated program would allow Carlson undergraduate students to complete both their B.S.B. and their MHRIR in a total of five years.

Students will follow a normal Carlson undergraduate curriculum for their first three years. They would apply for the MHRIR program by February 1st of their junior year and they would begin the MHRIR program as part of the MHRIR first-year cohort in the fall of their senior year. The senior year would have the integrated program students in all the first-year MHRIR core courses and the remaining undergraduate courses to complete their undergraduate degree.

Twelve credits of the MHRIR first-year would be applied to the undergraduate degree, including HRIR 6301, 6701, and 6501. Thirteen credits would apply to the MHRIR degree, including HRIR 6001, 6401, 6441, and 6805.



Students will finish their MHRIR in the fifth year of the integrated program.

HRIR minors: please note that HRIR 6301 is considered equivalent to HRIR 3031 and 3032, HRIR 6401 and 6441 are equivalent to HRIR 3041 and 3042, HRIR 6701 is equivalent to HRIR 3071 and 3072, and HRIR 6501 is equivalent to HRIR 3051. It is recommended that students do not take the equivalent undergraduate HRIR courses if they plan to pursue the integrated degree.

#### **BSB/Masters Human Resources and Industrial Relations**

Students in the BSB/M.HRIR integrated degree program should complete the following courses in their senior year. These courses meet requirements for the Masters in Human Resources and Industrial Relations and twelve credits of the BSB Human Resources major/minor.

##### **Fall semester, Year 4**

- [HRIR 6301](#) - Organizational Staffing and Employee Development (3.0 cr)
- [HRIR 6001](#) - Business Principles for the HRIR Professional (4.0 cr)
- [HRIR 6111](#) - Statistical Foundations of People Analytics (4.0 cr)
- [HRIR 6805](#) - HRIR Leadership Practicum (0.5 - 1.0 cr)

##### **Spring semester, Year 4**

HRIR 6805 is taken both terms.

- [HRIR 6401](#) - Organizational Theory Foundations for HRIR (2.0 cr)
- [HRIR 6441](#) - Organizational Behavior Foundations for HRIR (2.0 cr)
- [HRIR 6701](#) - Labor Relations and Collective Bargaining (3.0 cr)
- [HRIR 6501](#) - Compensation and Benefits (3.0 cr)