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## **Option in Finance** **B.S. in Business Administration**

The Option in Finance provides students with the knowledge and analytical skills necessary to make informed financial decisions for themselves and their organizations. Business students interested in numbers, quantitative analysis, problem solving, utilizing creativity, and practical applications will appreciate this option. Opportunities exist in a variety of fields, including commercial and investment banking, insurance, corporate finance, money management, venture capital, risk management, and real estate.

The job outlook for finance students is strong. Starting and mid-career salaries are typically among the highest of all majors at a university. Finance was among *Forbes's* 2012 "15 Most Valuable College Majors", the *Wall Street Journal's* 2013 list of top 10 majors by starting salary, and *Kiplinger's* 2013 top 10 "Best College Majors for a Lucrative Career." Many premier jobs in business, such as hedge fund manager and CFO, are in finance.

The goal of the finance option is to provide students with general exposure to the field while allowing them to specialize in a one of three tracks: analytics and quantitative finance, real estate, and financial analyst. The requirements are below.

### **REQUIREMENTS:**

<u><b>Courses</b></u>	<u><b>Prerequisites</b></u>
<b><i>Required:</i></b>	
ACFI 701: Financial Policy	ADMN 570
ACFI 702: Investments Analysis	ADMN 570
<b><i>Choose TWO of the following:</i></b>	
ACFI 703: International Financial Management	ADMN 570
ACFI 704: Derivative Securities & Markets	ADMN 570
ACFI 705: Financial Institutions ( <i>Writing Intensive</i> )	ADMN 570
ACFI 720: Real Estate Finance	ADMN 570
ACFI 720: Equity Analysis and Firm Valuation	ADMN 502 and ADMN 570
ACFI 720: Financial Modeling and Analytics	ADMN 570
Other Finance courses to be developed and offered by the Finance department	Consult with Option Coordinator

### **Course Descriptions**

#### **ACFI 701: Financial Policy**

Development of analytical tools and practical skills for recognizing and solving complex problems of business finance. Working-capital management, capital budgeting, cost of capital, capital structure, and dividend policy. Prereq: ADMN 570.

#### **ACFI 702: Investments Analysis**

Security valuation, efficient markets, portfolio management, options, and alternative investments. Computer research topics. Prereq: ADMN 570.

#### **ACFI 703: International Financial Management**

Financial management problems facing multinational firms. Primary focus on effects of currency denominations on financial decisions. Prereq: ADMN 570.

### **ACFI 704: Derivative Securities and Markets**

Derivative assets and markets, and their role in business decision-making and portfolio management. Emphasis on practical and theoretical aspects of hedging and speculating using futures and options for both commodities and financial assets, including their market mechanics. Prereq: ADMN 570.

### **ACFI 705: Financial Institutions** (Writing Intensive)

The financial management of financial institutions, e.g., commercial banks, mutual funds, etc., and their intermediary role in financial markets. Emphasis is placed on the mutual fund business. Prereq: ADMN 570.

### **ACFI 720: Real Estate Finance**

This course covers the institutions and instruments used to finance residential and commercial real estate. The material will focus on residential mortgage finance, differences between commercial mortgages and residential mortgages, and the secondary mortgage market and the structure and valuation of mortgage-backed securities. This course will be of particular use to students who are interested in careers in commercial banks and other financial institutions that provide funding for real estate projects, as well as in the real estate industry directly. Prereq: ADMN 570. 4 cr.

### **ACFI 720: Equity Analysis and Firm Valuation**

This course is intended to provide practical tools for analyzing and valuing a company's equity. Primarily an applications course, Equity Analysis and Firm Valuation covers several valuation models such as market multiples and free cash flow models, and focuses on the implementation of finance theories introduced in prior finance courses (financial management, financial policy and investments) to valuation problems. Prereq: ADMN 502 and ADMN 570. 4 cr.

### **ACFI 720: Financial Modeling and Analytics**

The main objective of the course is to teach students how to use software applications and real-world data to solve a variety of financial problems. The course is very 'hands-on' and is expected to help students develop skills that are useful in a variety of jobs in finance, accounting, insurance, and real estate. Prereq: ADMN 570. 4 cr.

*\*Note: The courses below do not count toward the Finance Option but provide Paul College credits.*

### **ACFI 640: Financial Planning**

The course involves finding an individual or family's value (i.e., net worth) and then finding ways to grow and protect that value in a real-world, "live client," format. The course will walk through the Certified Financial Planner Board's approach to working with clients, from gathering data to analyzing and monitoring a client's personal financial situation. 4 cr.

### **ACFI 650: Wildcat Investment Fund**

Students actively manage the Wildcat Fund, a donor-created fund which consists of cash and stocks. During weekly meetings, students present their stock selections to the group, and debate the merits of the presented stocks. Trades are then made accordingly. An officer corps is responsible for structuring and coordinating the group. Students in good standing may retake the course up to a maximum of 4 credits. Prereq: The Atkins Investment Group interview and permission. 2 cr.

## Finance Tracks (not required)

Students who are completing the finance option requirements may, if they wish, register for a track of study. Each track requires three courses. One course from the finance option can double count toward a track if the course is track eligible. Finance students who complete an additional business option or non-business major can double count two track-eligible courses from the finance option toward a track.

Students interested in a track should notify the option coordinator, Professor Wenjuan Xie ([wenjuan.xie@unh.edu](mailto:wenjuan.xie@unh.edu)) by completing a Track Registration and Evaluation Form. Tracks do not appear on diplomas or transcripts, but students who complete a track will receive a certificate from the Accounting and Finance Department. Track requirements are below.

Real Estate Track	Analytics & Quantitative Finance Track	Financial Analyst Track
	<i>Calculus is highly recommended</i>	
<b>REQUIRED</b>	<b>REQUIRED</b>	<b>REQUIRED</b>
ACFI 720: Real Estate Finance CEP 672: Fundamentals of Real Estate	ACFI 720: Financial Modeling & Analytics	ACFI 720: Equity Analysis & Firm Valuation <i>OR</i> ACFI 725: Financial Statement Analysis ACFI 621: Intermediate Accounting I
<b>Choose ONE of the following:</b>	<b>Choose ONE of the following:</b>	<b>Choose ONE of the following:</b>
CEP 508: Applied Community Development CEP 673: Green Real Estate MGT 798: Real Estate Law	ACFI 704: Derivatives Securities & Markets ACFI 720: Equity Analysis & Firm Valuation DS 766: Business Analytics & Spreadsheet Modeling DS 768: Forecasting Analytics DS 798: Business Intelligence & Data Visualization ECON 726: Introduction to Econometrics	ACFI 622: Intermediate Accounting II ACFI 705: Financial Institutions ACFI 720: Financial Modeling & Analytics ECON 611: Intermediate Macroeconomic Analysis ECON 635: Money & Banking
	<b>Choose ONE of the following:</b>	
	DS 766: Business Analytics & Spreadsheet Modeling DS 768: Forecasting Analytics DS 798: Business Intelligence & Data Visualization ECON 726: Introduction to Econometrics	

Today's date: \_\_\_\_\_ Please return form to Professor W. Xie (wenjuan.xie@unh.edu; Paul 370D)

## Finance Option Track Registration and Evaluation Form

Student Name: \_\_\_\_\_ Email: \_\_\_\_\_

Initial Registration or Change? \_\_\_\_\_ Intended Graduation (Semester/Yr): \_\_\_\_\_

Circle New Track:     **Analytics and Quantitative Finance**     **Financial Analyst**     **Real Estate**

*Please fill in the suitable cells in the following table:*

<b>For Finance Option</b>			<b>For Registered Track</b>	
Course number and name (completed courses):	Completed in semester/yr:	Double count toward track? Yes or No	Course number and name (completed):	Finished in semester:
Complete the following section <u>only</u> if you have a second option or non-business major.				
<b>Name of Second Option/Major:</b>				
Course number and name (completed courses):	Completed in semester/yr:	Required or Elective?	List any remaining courses to be taken to complete this option/major:	

Note: Track registration is voluntary and does not “lock” you into anything. Professor Xie’s signature indicates final approval. Additional courses can be typed on another page.

Professor Xie (Option Coordinator) signature \_\_\_\_\_