Finance

In the era of a growing competitive global economy, finance has become increasingly important and complex. This has led to an expansion of career opportunities within corporations, investment firms, and financial institutions worldwide. These opportunities are varied and often overlap with other disciplines such as accounting, economics, marketing, and mathematics. It is also important that students engage in extracurricular activities that might complement their academic studies.

The domestic financial services industry has been at the forefront of global finance and will remain as one of our relative strengths within a global economy. Lehigh, in turn, enjoys a relative advantage in this regard as Lehigh alumni are well respected in all areas of finance. Our program has also been able to take advantage of our proximity to many financial institutions.

**Professors.** Paul Brockman, PHD (Louisiana State University); Kathleen W. Hanley, PHD (University of Florida); Richard J. Kish, PHD (University of Florida); Matthew A. Melone, JD (University of Pennsylvania); George A. Nation, III, JD (Villanova University); Nandkumar Nayar, PHD (University of Iowa); Georgette C. Phillips, JD (Harvard Law School); Xuemin Yan, PHD (University of Iowa)

**Associate Professors.** Donald E Bowen, PHD (University of Maryland); Steven McKay Price, PHD (Florida State University); Jesus M. Salas, PHD (University of Oklahoma); Ke Yang, PHD (University of Iowa)

**Assistant Professors.** Ke Shen, MS (Northern Illinois U); Qianqian Yu, PHD (Boston College); Haibei Zhao, PHD (Georgia State University)

**Professors Of Practice.** Loren Kenneth Keim, Jr., MBA (Lehigh University); Olena Nikolsko-Rzhevska, PHD (University of Memphis); Vijay Singh, PHD (Ohio State University); Samuel C. Weaver, PHD (Lehigh University); Patrick J. Zoro, MBA (St Johns University Queens)

**Emeriti.** Carl R. Beidleman, PHD (University of Pennsylvania); Stephen G. Buell, PHD (Lehigh University); Stephen F. Thode, DBA (Indiana University Bloomington)

The finance major offered by the Perella Department of Finance requires at least 21 credit hours beyond the core requirements. Each finance major must successfully complete the 2-course foundation requirement; the 3-course depth requirement; and a 2-course breadth requirement as outlined below.

### 2-Course Foundation Requirement
- FIN 323: Investments
- FIN 328: Corporate Financial Policy

### 3-Course Depth Requirement
Select three of the following:
- FIN 324: Security Analysis and Portfolio Management
- FIN 330: Financial Markets and Institutions
- FIN 333: Global Finance
- FIN 334: Derivatives and Management of Risk
- FIN 335: Advanced Topics – Financial Management (Various Topics can be offered under this course listing)
- FIN 336: Real Estate Finance (Cannot be used as a depth requirement when following the Real Estate Track)
- FIN 377: Advanced Topics – Investments (Various topics can be offered under this course listing)

### 2-Course Breadth Requirement
Select 2 breadth electives within one of the following six breadth tracks.

**Track 1: Financial Analysis**
- ACCT 315: Intermediate Accounting I

**Track 2: Financial Marketing**
- MKT 312: Marketing Research
- MKT 319: Development and Marketing of New Products
- MKT 320: Global Marketing
- MKT/ECO 325: Consumer Insights through Data Analysis
- MKT 332: Sales Management

**Track 3: Analytical Finance**
- ISE 316: Optimization Models and Applications
- ISE 339: Stochastic Models and Applications
- or MATH 310: Random Processes and Applications
- MATH 205: Linear Methods
- or MATH 241: Applied Linear Algebra
- MATH 231: Probability and Statistics
- or MATH 263: Introduction to the Theory of Probability

**Track 4: Financial Economics**
- ECO 203: Microfinance: Financial Inclusion for the Poor
- ECO 209: Comparative Economic Systems
- ECO 303: Economic Development
- ECO 314: Energy Economics
- ECO 322: Competitor and Market Analysis
- ECO 333: The Economics of Business Decisions
- ECO 336: Antitrust, Regulation, and the New Economy
- ECO 338: International Economics
- ECO 339: International Trade
- ECO 340: International Finance
- ECO 353: Public Economics
- ECO 365: Business, Government, and Macroeconomic Policy

**Track 5: Real Estate**
- FIN 336: Real Estate Finance (If taken for the track, this course cannot count towards the depth requirement.)
- REAL 347: Real Estate Investment

**Track 6: Expanded Finance - Must take 2 additional finance electives not taken within the depth requirement**
- FIN 324: Security Analysis and Portfolio Management
- FIN 330: Financial Markets and Institutions
- FIN 333: Global Finance
- FIN 334: Derivatives and Management of Risk
- FIN 335: Advanced Topics – Financial Management (Various topics can be offered under this course listing)
- FIN 336: Real Estate Finance
- FIN 377: Advanced Topics – Investments (Various topics can be offered under this course listing)

Total Credits: 21-23

### Undergraduate Courses

For Advanced Undergraduates and Graduate Students

Courses numbered 200 and above in the College of Business are open to sophomores only on petition.
Graduate Courses
Course descriptions for the College of Business graduate courses can be found under the heading of Business Graduate Courses.

Courses
FIN 125 Introduction to Finance 3 Credits
An introductory finance course stressing the links between corporate finance and investments. Major topic areas will include financial statement analysis, time value of money, risk and return valuation of stocks and bonds, capital budgeting, and cost of capital. 
Prerequisites: ACCT 151 and (ECO 145 or ECO 045 or MATH 231 or ISE 111 or IE 111 or SR 111) and (MATH 021 or MATH 031 or MATH 076 or MATH 081)

FIN 273 Finance Internship I 1-3 Credits
Based on a student’s work experience, a sponsoring faculty member shall direct readings, projects, and other assignments—including a “capstone report.” It should be noted that the work experience (at least 80 hours), by itself, is not the basis for academic credit. The faculty directed activity must be provided concurrent with the work. Course registration and related arrangements must be made in advance of the work engagement. This course must be taken Pass/Fail and cannot be used to satisfy finance major requirements. Declaration of a finance major. Consent of department required.
Prerequisites: (ECO 129 or ECO 029 and ACCT 151) and (ECO 145 or ECO 045 or MATH 231 or ISE 111 or IE 111 or SR 111) and (MATH 021 or MATH 031 or MATH 076 or MATH 097 or MATH 081)

FIN 300 Apprentice Teaching 1-3 Credits
Repeat Status: Course may be repeated.

FIN 323 Investments 3 Credits
The nature of risk and the form of returns on financial assets from the viewpoint of various constituents. Investor objectives, attitudes, and constraints are considered within the risk-return matrix within the context of valuation.
Prerequisites: FIN 125

FIN 324 Security Analysis and Portfolio Management 3 Credits
Valuation of equity and debt instruments factoring in the influence of earnings forecasts and expectations, uncertainty, required returns, supply and demand for securities and funds, and investor attitudes. Portfolio management concepts include the implications of market factors, technical analysis, timing, and screening of securities.
Prerequisites: FIN 323 and FIN 328

FIN 328 Corporate Financial Policy 3 Credits
The study of management issues related to capital budgeting, working capital, leasing, mergers, and financing.
Prerequisites: FIN 125

FIN 330 Financial Markets and Institutions 3 Credits
Functions and portfolios of financial intermediaries. Sectional demand and supply of funds, nature and role of interest rates, term structure and forecasting, impact of inflation and regulation on financial intermediaries and markets, and current developments in the financial system. Management of assets and liabilities within the U.S. financial institution’s legal and economic constraints.
Prerequisites: (FIN 323 and FIN 328)

FIN 333 Global Finance 3 Credits
Issues that underlie the investment, financing, and dividend decisions of multinational firms from both the buyer’s and seller’s viewpoints. Current transactions in foreign currencies, direct and portfolio investment and associated risk management when dealing in foreign countries.
Prerequisites: (FIN 328 and FIN 323)

FIN 334 Derivatives and Management of Risk 3 Credits
Theoretical and practical aspects of various instruments and markets that involve financial derivative instruments. Emphasis on the management of risk for corporate managers and portfolio managers.
Prerequisites: (FIN 323 and FIN 328)
FIN 388 (BIS 388) FinTech Capstone 3 Credits
This course combines experiential learning via a semester long hands-on project with a series of lectures on relevant topics. Students will learn how to apply the information technologies and financial concepts they learned in the other courses to issues in the creation, distribution, servicing, or operations of financial products and services. These issues may include cybersecurity, payment processing, algorithmic trading, credit scoring, blockchain, cryptocurrency, artificial intelligence, machine learning, peer-to-peer lending, online banking, and mobile banking.
Prerequisites: (CSE 012 or CSE 017) and BIS 352 and (BIS 348 or CSE 347 or ISE 364 or ISE 365) and (BIS 324 or CSE 241 or ISE 224) and FIN 330

FIN 389 Honors Project 1-8 Credits
Repeat Status: Course may be repeated.

FIN 418 Principles of Corporate Finance and Investments 3 Credits
This course provides students with a basic foundational knowledge of finance principles, working knowledge of various aspects of corporate finance, and the principles of investments. Short-term financial decisions will be discussed. Long-term capital investment will be explored starting with the basics of time value of money and capital investment techniques. Topics include the determination of the appropriate investment discount rate, the organization’s cost of capital and hurdle rates, the risk-reward tradeoff, and specific financial instruments.