

Finance

Finance is the study of resource allocation—the process, markets, institutions, and instruments that provide for the transfer of money and wealth. The finance degree program offers students an opportunity to study the finance function in the business firm, the financial services firm, and the financial system.

The finance major presents students with the theoretical framework and analytical tools and techniques to handle a variety of finance and business functions. Students may choose one of seven tracks: corporate finance and investment banking, energy finance, law and science, investment management and banking, quantitative finance, finance with required accounting minor, or real estate; students who do not wish to specialize may choose the general finance track.

Corporate finance and investment banking courses are designed to prepare students for careers as associates of corporate treasury departments, as corporate financial analysts, and as management consultants. Energy finance courses are designed to prepare students for positions in project financing, valuation, and risk management in the energy sector. Investment management and banking courses are designed to give students a background suitable for starting positions as financial analysts with investment funds, investment banks, commercial banks, and other financial institutions. Quantitative finance courses are designed to prepare students for financial analyst positions in research departments of financial institutions and for graduate study in finance. Real estate courses are designed to give students a broad background in valuing and managing real estate; the track is intended to prepare students for positions in real estate commercial brokerage and appraisal, mortgage banking, loan underwriting, real estate development and investment, and property management. The finance track with a required accounting minor is appropriate for students who wish to enhance their understanding of auditing/financial reporting, managerial accounting/control and taxation, and students whose careers will interact with the Controller function of their organization.

Finance majors may specialize further by completing the Financial Analyst Program (FAP). This one year program allows competitively selected business students to work closely with finance faculty members and industry professionals to develop their skills and experience as analysts. The program may be combined with any of the finance options. More information about FAP is available in the Department of Finance office and at their [website](#).

The requirements of this program are:

- a. The [Core Curriculum](#) and the [BBA Degree Requirements](#)
- b. Accounting 326 (with the exception of the finance track with required accounting minor), Finance 367, 374C and 370 (may fulfill writing and independent inquiry flags)
- c. Only one independent study may be counted toward the finance major with the exception of the general finance track, the finance track with required accounting minor, and the real estate track, which do not allow independent study, as noted below
- d. One of the following tracks:
 - i. *Corporate Finance and Investment Banking*
 1. One of the following courses: Accounting 327 (may fulfill the quantitative reasoning flag), 329, 362, or 364
 2. Two of the following courses: Finance 321K, 366P, 371M, 372, 373, 374S, 376, 377 (Topic 1: *Portfolio Analysis and Management*), either 377 (Topic 2: *Financial Risk Management*) or 377 (Topic 5: *Energy Financial Risk Management*), 377 (Topic 3: *Security Analysis*), 377 (Topic 4: *Financial Analysis*)

- ii. *Energy Finance, Law and Science*

1. Finance 377 (Topic 5: *Energy Financial Risk Management*)
2. Two of the following courses: Finance 321K, 366P, 371M, 372, 373, 374S, FIN 375F, 376, 377 (Topic 1: *Portfolio Analysis and Management*), 377 (Topic 3: *Security Analysis*), 377 (Topic 4: *Financial Analysis*)
3. Geological Sciences 303 or 401; also fulfills one class of the part I sequence of the core curriculum science and technology requirement, or all of part II
4. Business, Government, and Society 370 (Topic 10: *Nontechnical Exploration and Production*)
5. Legal Environment of Business 370 (Topic 14: *Oil and Gas Law*)
6. Geological Sciences 316P; this class cannot satisfy any core curriculum science and technology requirements
7. Note: Students in this track do not take 9 hours of free electives; those are fulfilled by Business, Government, and Society 370 (Topic 10: *Nontechnical Exploration and Production*), Legal Environment of Business 370 (Topic 14: *Oil and Gas Law*), and Geological Sciences 316P
8. Note: Finance majors who select the Energy Finance, Law and Science track cannot pursue the Energy Management minor; **however**, they may select any **other** finance track in order to complete the Energy Management Minor.

- iii. *Investment Management and Banking*

1. Finance 377 (Topic 1: *Portfolio Analysis and Management*)
2. Finance 371M
3. One of the following courses: Finance 321K, 366P, 372, 373, 374S, FIN 375F, 376, either 377 (Topic 2: *Financial Risk Management*) or 377 (Topic 5: *Energy Financial Risk Management*), 377 (Topic 3: *Security Analysis*), 377 (Topic 4: *Financial Analysis*), Real Estate 378K

- iv. *General Finance*

1. Nine semester hours of upper-division coursework in finance; up to six hours may be taken in real estate. The following courses may **not** be used to fulfill this requirement: Finance 357, 367, and 370. Finance 377 (Topic 2: *Financial Risk Management*) and 377 (Topic 5: *Energy Financial Risk Management*) may not both be used. Finance 377 (Topic 3: *Security Analysis*) is open only to students in the Financial Analyst Program.
2. An independent research course may not be counted toward the general finance option

- v. *Quantitative Finance*

1. Finance 377 (Topic 2: *Financial Risk Management*) or 377 (Topic 5: *Energy Financial Risk Management*)
2. One of the following courses: Finance 321K, 371M, 372, 373, 374S, 376, 377 (Topic 1: *Portfolio Analysis and Management*), 377 (Topic 3: *Security Analysis*), 377 (Topic 4: *Financial Analysis*)
3. One of the following courses: Finance 366P, 372 (Topic 4: *Quant Investment Management*), Statistics 372 (Topic 9: *Time Series Forecasting*), Decision Science 372 (Topic 6: *Optimization Methods in Finance*), 372 (Topic 7: *Computational Finance*), Management Information Systems 373 (Topic 17: *Predictive Analytics and Data Mining*), 373 (Topic 11: *Advanced Analytics Programming*), 373 (Topic 26: *Healthcare Analytics*), Operations Management 337 (Topic 6: *Supply Chain Analytics*)

- vi. *Real Estate*

1. Finance 371M
2. Six semester hours of coursework in real estate

3. An independent research course may not be counted toward the real estate option
4. Note: Finance majors who select the Real Estate track cannot pursue the Real Estate minor; **however**, they may select any **other** finance track in order to complete the Real Estate Minor.

vii. *Finance with Required Accounting Minor*

1. Nine semester hours of upper-division coursework in finance; up to six hours may be taken in real estate. The following courses may **not** be used to fulfill this requirement: Finance 357, 367, and 370. Finance 377 (Topic 2: *Financial Risk Management*) and 377 (Topic 5: *Energy Financial Risk Management*) may not both be used. Finance 377 (Topic 3: *Security Analysis*) is open only to students in the Financial Analyst Program.
 - Students may choose to complete this requirement with the finance course requirements for any one of tracks a-f
 2. Accounting Minor for Business Majors, completed in full
 3. An independent research course may not be counted toward the finance with accounting minor option
- e. Additional elective coursework, if necessary, to provide a total of at least 120 semester hours