

BUSINESS ADMINISTRATION

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Mission and Goals

The Department of Business, Accounting, and Economics offers Bachelor of Arts degrees in Accounting, Public Administration, or Business Administration. Students selecting majors in Business Administration must choose a concentration in Economics, Finance, International Business or Management. Minors are available in Accounting, Economics, Business or Public Administration and an Associate of Arts Degree is offered in Business Administration. Students may combine majors, minors and emphases.

Consistent with Carroll Colleges, dual goals of vocation and enlightenment, the Department of Business, Accounting, and Economics also serves a dual mission. Students are provided a common body of knowledge necessary for entry into a business-related career. At the same time, the curriculum ensures that students receive a well-rounded liberal arts education. Value oriented discussions, including ethical dilemmas encountered in global business, are included in the curriculum.

The Public Administration major, which is a joint effort between the Business, Accounting and Economics Department and the Political Science Department, provides relevant courses in business and political science to prepare students for administrative careers in local, state and federal governments. In addition, students are prepared to pursue graduate work in public administration.

The Business Administration major prepares students for careers in marketing, finance, management or economics. Students completing the Accounting major are prepared for professional certification exams. They are also provided with skills necessary to perform in an accounting related career. Through the liberal arts education, students develop valuable communication and reasoning skills. Both the Business Administration major and the Accounting major are designed and evaluated to ensure students are prepared for entry directly into the workforce or for acceptance into graduate school.

Goals for Majors in the Department of Business Administration, Accounting and Economics

A successful graduate of the department will be able to:

- Use data and statistics in order to understand and analyze relevant problems
- Understand and analyze financial statements of economic entities
- Read and understand publications covering topics discussed in the various majors in the department
- Organize and present ideas and information orally in small group settings
- Design and carry out independent and collaborative projects
- Use contemporary information technology effectively including the library, the internet and computer software
- Write essays and short papers in a clear and concise fashion with emphasis on content, style and analytical ability
- Understand and explain important issues encountered in economic entities with particular emphasis on ethical and global implications.

Major in Business Administration with an Area of Concentration

I. Major Program Requirements

(For Each Area of Concentration Below)

Thirty-six semester credits of accounting, business, and economics courses, including:

BA 203-204	Principles of Accounting
BA 301-302	Business Law
BA 306	Marketing
BA 313	Managerial Finance
BA 375	Fundamentals of Management
BA 392	International Business
BA 410	Business Policy
EC 201-202	Principles of Economics
EC 309	Financial Markets and Institutions

Plus one of the following areas of concentration (9 Credits):

A. Economics

EC 315	Managerial Economics
EC 316	Intermediate Macroeconomics
And 1 of the following courses:	
BA 409	Operations Research
EC 302	Labor Relations and Public Policy
EC 304	Public Finance
EC 406	International Economics

B. Finance

BA 314	Advanced Financial Analysis and Planning
And 2 of the following courses:	
BA 303	Intermediate Accounting
BA 307	Investment Strategies
BA 315	Cost Accounting
BA 365	Advanced Spreadsheet Applications*
BA 409	Operations Research
BA 411	Investment Management

C. Management

Three of the following courses:	
BA 408	Human Resource Management
BA 409	Operations Research
BA 413	Organizational Behavior
CO 320	Organizational Communications
EC 302	Labor Relations and Public Policy

D. International Business

Required:	
BA 401	International Marketing
EC 406	International Economics
One of the following courses:	
BA 393/EC393	Socio-economic Impact of Gender: India
CO 325	Intercultural Communication
Study Abroad Experience (3 credits)	
Foreign Language (3 credits)	

E. Marketing

BA 320	Marketing Research
And 2 of the following:	
BA 322	Consumer Behavior
BA 324	Marketing Communication and Promotion
BA 326	New Product Development
BA 401	International Marketing

II. Other Program Requirements

CS 213	Computer Applications in Business
or BA 365	Advanced Spreadsheet Applications*
MA 117	Difference Equations & Linear Equations
or MA 131	Calculus of Single Variable Functions
or MA 121-122	Differential and Integral Calculus
MA 207	Elementary Statistics

*Note: BA365 fulfills either a course requirement in the finance concentration or the computer requirement. It cannot be counted as both a finance course and the computer course.

Concentration courses may be double counted to fulfill CORE requirements or requirements for other academic majors and still count as a concentration course. However, each concentration requires the completion of 3 courses and a concentration course may be applied to only one area of concentration. It cannot be double counted to fulfill concentration requirements in more than one area of concentration.

Minor in Business Administration

Minor Program Requirements

Twenty-one semester credits of business and economics courses, including:

BA 203-204	Principles of Accounting
BA 306	Marketing
BA 313	Managerial Finance
BA 375	Fundamentals of Management
EC 201-202	Principles of Economics

Curriculum in Business Administration for the Associate of Arts Degree

Program Requirements

BA 203-204	Principles of Accounting
BA 306	Marketing
BA 375	Principles of Management
EC 201-202	Principles of Economics
And 1 of the following:	
BA 301	Business Law
BA 313	Managerial Finance
BA 408	Human Resource Management

Note: All degree students should review requirements for graduation as described in this catalog.

CHEMISTRY

DAN GRETCH, PH.D.
JOHN SALZSIEDER, PH.D.
KYLE S. STRODE, PH.D.
COLIN THOMAS, PH.D.
RON L. WILDE, PH.D.

Mission and Goals

The chemistry major program is designed to provide students with the knowledge and skills needed to enter graduate or professional school or to gain employment in their field. Students completing the major program in chemistry are expected to have

- an understanding of the basic principles and concepts of the major field;
- the critical thinking skills needed for solving problems in the field;
- the abilities to evaluate and interpret data and to analyze and synthesize information from different sources;

- a working knowledge of fundamental laboratory techniques and the ability to use them to perform experiments in the field;
- the writing and speaking skills needed to communicate effectively in the field.

Major in Chemistry

I. Major Program Requirements

CH 101-102	General Chemistry
CH 205	Quantitative Analysis
CH 301-302	Organic Chemistry
CH 306	Instrumental Methods
CH 391-392	Physical Chemistry
CH 496	Senior Seminar

One additional upper-division course from the following list:

CH 353	Biochemistry
CH 405	Advanced Inorganic Chemistry
CH 406	Advanced Organic Chemistry

II. Other Program Requirements

MA 131	Calculus of Single Variable Functions
or MA 121-122	Differential and Integral Calculus
MA 233	Multivariable Calculus
PHYS 205-206	Engineering Physics I & II

Note: All chemistry majors must earn a grade of “C” or better in all major courses (Section I and II above). Students must pass prerequisites with a “C” or better to enroll in chemistry courses.

Major in Chemistry for Secondary Education

I. Major Program Requirements

CH 101-102	General Chemistry
CH 205	Quantitative Analysis
CH 301-302	Organic Chemistry
Two additional upper division Chemistry courses	

II. Other Program Requirements

MA 121	Differential Calculus
PHIL 252	Philosophy and History of Science
One additional two-semester course from the following list:	
BI 171-172	Biological Principles I & II
PHYS 201-202	Physics I and II
PHYS 205-206	Engineering Physics

III. Professional Education Requirements

AN/SO 218	Introduction to Native American Studies
CS 103	Instructional Media and Technology
ED 102	Foundations of Education
ED 205	Classroom Management
ED/PSY 229	Educational Psychology
ED 245	Diversity Field Experience
ED 318	Content Area Reading and Secondary Methods
ED 346	Teaching Science in the Secondary School
ED 405	Education Seminar
ED 410	Student Teaching
ED 412	Measurement & Assessment in Teaching
HPE 214	The School Health Program
PSY 228	Adolescent Psychology
SPED 300	Introduction to Exceptional Children
United States and contemporary world cultures course(s)—see index for page number.	

Note: All chemistry for secondary education majors must earn a grade of “C” or better in all major courses (Section I and II above).