

Minors

Some programs require a minor. A student should choose a minor upon the completion of 60 semester hours. This should be planned with the assistance of an academic advisor.

To enhance a student's academic experience, it is recommended that a student select a minor significantly different from his/her chosen major. For example, a Management major may want to select a Finance minor or vice versa. Also, a combination of a Business major with a Social Sciences minor will enrich the student's education and preparation for a successful career.

A student may not combine a major and minor in the same or similar functional area (e.g., Finance major and Finance minor; Management major and Human Resource Management minor.)

Since several majors and minors include many elective courses, overlap may be possible. To qualify for a major or a minor, a student may not use the same course for credit in both the major and minor areas and must seek approval from the dean of the School for a substitute elective from within the discipline.

Certain courses in the minor may have prerequisite courses that need to be completed.

Accounting Minor **12 credits**

The Accounting minor permits students to enrich their knowledge of the "language of business." No matter what profession a graduate enters, the ability to read and comprehend historical and prospective financial information will be essential. Students will be provided with an in-depth understanding of generally accepted accounting principles through intermediate accounting courses, an exposure to federal taxation and a choice of accounting electives for more intensive study.

ACCT-101	Intermediate Accounting I
ACCT-204	Intermediate Accounting II
ACCT-309	Federal Taxes I

Any advanced Accounting elective, except ACCT-316 Cost Accounting I

Architectural History/Theory Minor **12 Credits**

This minor offers students the opportunity to study art/architectural history and theory beyond the introductory level. The courses listed provide in-depth knowledge and analysis of historical periods and theoretical issues relative to the meaning and practice of architecture and related disciplines. Required course: ARCH-422 Theories of Architecture Seminar

Any three of the following:

ARCH-410, ARCH-434, ARCH-371, ARCH-425, ARCH-341, ARCH-409, ARCH-320

Architecture and Interior Design students may choose one of the following:

LARCH-307 or LARCH-411

Business Minor for Non-Business Major **12 credits**

This minor is specifically designed for the Non-Business major. It will provide students with marketable business skills upon graduation that are useful to any professional person.

Required (6 to 9 credit hours)

ACCT-101	Financial Accounting
ECON-205	Macroeconomics and/or
ECON-206	Microeconomics

Choose additional courses (total 12 credit hours)

BLAW-301	Business Law I
ACCT-102	Managerial Accounting
FINC-301	Financial Management

Construction Management Minor **12 credits**

This minor introduces students to basic construction management concepts and practices, including planning, scheduling and estimating; project control and supervision; safety; labor relations; purchasing and accounting; insurance and bonds; and ethics.

Required courses:

ARCH-427	Construction Management I
ARCH-428	Construction Management II

Any two of the following:

ARCH- 426; ARCH- 401 (Design/Build option only), MGMT-301 MKTG-102, ARCH-499

Custom Minor **12 credits**

A custom minor is a thematic/area/subject cluster of four courses from any of the Schools. The student's advisor and the dean of the School, where the minor will be granted, must approve custom minors.

E-Commerce Minor **12 credits**

E-commerce is the Internet-enabled buying and selling of goods and services, servicing customers, collaborating with vendors and customers, and conducting electronic transactions within an organization. It includes email marketing, virtual learning, banner ads on a Web page, 24/7 customer support systems, ERP, CRM and XML; it is an electronic wallet; it is borderless, seamless, and timeless; it is all that and more. The E-commerce minor involves the study of products, the business processes, and the supply chain of startup dot-coms to brick-and-mortar Fortune 500 firms. The program features a balance of information technology and managerial decision-making.

MKTG-315	Marketing in an Electronic Environment
MKTG-408	Survey of E-Commerce
MIS-202	Management Information Systems
MIS-305	Database Analysis, Design, and Management

Economics Minor **12 credits**

Regardless of whether a student majors in business, textiles, the humanities or another discipline, students will be affected by economic factors. The Economics minor will enable

students to understand and anticipate economic fluctuations and make changes necessary for success.

Any four advanced Economics electives are permitted, but one course may be from FINC-322, FINC-303, FINC-318, FINC-321 or FINC-333.

Environmental and Conservation Biology Minor 12-16 credits

This minor will provide students with the necessary background and skills for comparing and contrasting the impact on the environment of both daily lifestyle choices and economic, legal, management and business decisions in government and industry.

ECBIO-101 Environmental Issues
ECBIO-102 Biodiversity

Any two of the following:

BIOL-205, BIOL-209, BIOL-310, BIOL-371, CHEM-417, ECBIO-101, ECBIO-207, ECBIO-208, ECBIO-301, ECBIO-305, ECBIO-316, ECBIO-318, ECBIO-319, ECBIO-409, ECBIO-415, PSYCH-240, STAT-301, STUAB-300.

Fashion Industry Management Minor 12-13 credits

Students choosing a minor concentration in Fashion Industry Management can look forward to employment in the textile and apparel sectors of the apparel and textile supply chain.

FASHMGT-101 Survey of the Apparel Industry
TEXT-101 Survey of the Textile Industry

Any two of the following:

FASHMGT-305 Apparel Production
FASHMGT-408 Apparel/Textile Sourcing
TEXT-331 Apparel Fabric Performance

Finance Minor 12 credits

Finance plays a crucial role in all profit and nonprofit organizations. The Finance minor is a wise choice for any student interested in a business or service organization career.

FINC-303 Intermediate Financial Management
FINC-321 Investments and Portfolio Management

Any two Finance electives, but at least one must be from

FINC-322, FINC-318, FINC-333, FINC-411 or ECON-305.

Foundation Design Minor 12 credits

The Design minor introduces students to drawing and the basic elements and principles of two- and three-dimensional design, as well as their application in the design process. In-depth studies emphasizing the use of color are undertaken. A general survey of the philosophy and utility of CAD systems may be accomplished through hands-on experience.

DSGNFND-103 Design Foundations I or ADFND-101 Design I
DRAW-101 Drawing I

Any two of the following:

ADFND-102, ADFND-104, ARCHDSN-208, CAD-201, DRAW-201, DRAW-206, DSGNFND-203 or DRAW-303.

Any course from a design major approved by the advisor.

Historic Preservation Minor 12 credits

This minor provides a foundation in the field of historic preservation. The required courses cover issues including the history of the movement in the U.S., contemporary practice and field work, economic consequences, as well as methods

of and standards for documentation. Elective courses broaden the student's experience with discussions of American urban traditions, architectural ornament, vernacular ways of building around the world, and design considerations in a preservation project.

ARCH-420 Introduction to Historic Preservation
ARCH-4xx Preservation Technology

Any two of the following:

INTD-428, LARCH-507, ARCH-425, ARCH-4xx Historic Preservation Documentation: Drawing; ARCH-4xx Historic Preservation Documentation: Photography; ARCH-341

Human Resource Management Minor 12 credits

The Human Resource Management minor provides students with the basic skills needed to manage the personnel component of an organization. The minor concentrates on the processes by which jobs are designed and filled by human resources, as well as how a skilled work force is maintained in an organization. The student will gain familiarity with the techniques of recruiting, hiring, training and evaluating employees. The student will also become familiar with the basic concepts of employee and union-management relations, including contract negotiations. Not available to management majors.

MGMT-310 Organizational Behavior
MGMT-320 Human Resource Management
MGMT-418 Industrial Relations

One advanced Management elective from the following:

MGMT-307, MGMT-311, MGMT-326, MGMT-331, MGMT-381, MGMT-411, MGMT-416, MIS-305, MIS-401, PSYCH-230 or PSYCH-231.

Information Systems Minor 12 credits

Information systems supply an ever more important role in support for management decision-making. According to the U.S. Department of Labor's 2003 Web site, "Employers prefer managers with advanced technical knowledge acquired through computer-related work experience and formal education." The IS minor is intended to supply a foundation for that level of knowledge. Not available to Management Information Systems.

MIS-202 Management Information Systems
MIS-305 Database Design, Analysis & Management

Two additional Information Systems electives from the following:

MIS-207, MIS-302, MIS-304, MIS-312, MIS-323, MIS-371, MIS-401, MIS-404, MIS-405, MIS-406, MIS-407, MIS-411, MIS-413, MIS-422, MIS-425.

International Business Minor 12 credits

The world in which business is being conducted is changing rapidly and is creating new challenges and opportunities for managers. The International Business minor is provided for students who want to strengthen their knowledge and understanding of global changes and their impact on business.

ECON-401 International Economics
FINC-318 International Finance and Development
MGMT-307 International Management
MKTG-324 International Marketing

Landscape Architecture

These two minors — one for design majors (primarily for architecture or interior design majors) and one for non-design majors (primarily for environmental and conservation biology or environmental sustainability majors) — introduce the student to the field of landscape architecture. For the Landscape Design minor, the required courses cover the various areas — history/theory, technology, horticulture, and design — that constitute an understanding of the discipline relative to design. For the Landscape Planning Minor, the required courses cover the various areas — technology, communication, and history — that are needed for an understanding of the discipline relative to planning.

Landscape Design Minor 13-15 credits

- ECBIO-208 Local Flora
- LARCH-207 Technology I: Grading

One of the following history/theory courses

- LARCH-307 History of Landscape Architecture II or
- LARCH-411 Landscape Architecture Theory: Seminar

One of the following design studio courses

- LARCH-202 Design IV for Landscape Architecture
- LARCH-302 Design VI for Landscape Architecture
- LARCH-401 Design VII Topical Studio for Landscape Architecture

Landscape Planning Minor 12 credits

- LARCH-207 Technology I: Grading
- LARCH-203 Graphics for Landscape Architecture
- LARCH-206 History of Landscape Architecture I or
- LARCH-307 History of Landscape Architecture II

One of the following:

- LARCH-310 GIS for Landscape Analysis or
- LARCH-412 Technology III: Hydrology

Management Minor 12 credits

This minor allows students to enroll in a group of key management courses that teach the essential theory and practice for managerial positions in fields such as accounting, retailing, design management, marketing management or other technical majors. Together with the knowledge base learned in students' major fields, this minor increases students' understanding of organizations typical of those in which they will be employed, thereby enhancing the likelihood of promotion to a managerial position. Not available to Management or Human Resource Management majors.

- MGMT-310 Organizational Behavior
- MGMT-320 Human Resource Management
- MIS-202 Management Information Systems

One advanced Management elective from the following:

- MGMT-307, MGMT-311, MGMT-326, MGMT-331, MGMT-381, MGMT-411, MGMT-416, MGMT-418, MIS-305, MIS-401, PSYCH-230 or PSYCH-231.

Marketing Minor 12 credits

The marketing of goods or services is the central focus of most profit and nonprofit organizations. Thus, regardless of students' majors, a solid understanding and appreciation of the marketing discipline will enhance students' decision-

making capabilities and make them better managers. Not available to Marketing majors.

- MKTG-207 Consumer Behavior
- MKTG-310 Marketing Communications
- MKTG-391 Marketing Research

One advanced Marketing elective from the following:

- MKTG-217, MKTG-315, MKTG-318, MKTG-324, MKTG-328 or MKTG-381.

Multimedia and Visualization Minor 12 credits

This minor introduces students to the conceptual and technical issues involved in creating and producing multimedia and visualization projects. Emphasis will focus on the application of digital technologies to enhance the design and presentation process.

Select four from the following:

- ARCH-324 Visualization: Experimental Modeling
- ARCH-326 Visualization: Advanced Modeling
- ARCH-415 Visualization: Multimedia
- DIGD-407 Digital Design and Visualization Studio
- GRAPH-310 Digital Imaging and Photographic Manipulation

Organizational Behavior Minor 12 credits

This minor provides the student with an understanding of how organizations are designed to successfully perform a number of business activities, including making decisions, motivating members and dealing with conflict. Students also take courses that focus on areas such as entrepreneurship, managing people or health care. The knowledge and skills learned from such courses, combined with the knowledge base gained from students' major fields, increase students' understanding of the organizations in which they will be employed. It also enhances the likelihood of promotion to managerial positions or the successful development of an individual's own business. Not available to Management majors.

- MGMT-310 Organizational Behavior
- MGMT-412 Management Seminar

Two advanced Management electives from the following:

- MGMT-307, MGMT-311, MGMT-326, MGMT-331, MGMT-381, MGMT-411, MGMT-416, MGMT-418, MIS-305, MIS-401, PSYCH-230 or PSYCH-231.

Photography Minor 12 credits

This minor introduces students to various types of photography, photographic lighting and the use of images in documentation. Emphasis will be on broadening the realm of the expression in design.

- ARCH-411 Architectural Photography/Portfolio
- ARCHDSN-381 Independent Study in Architecture, Interior Design
- GRAPH-204 Introduction to Photography for Graphic Design Communication
- PHOTO-301 Studio Photography

Pre-M.B.A. Minor for Business Majors 12 credits

The Pre-M.B.A. minor for Business majors provides the opportunity to begin taking graduate-level business courses in the senior year, allowing students who have completed their Bachelor of Science Degree in Business Administration to

complete a Master of Business Administration degree in one year of daytime study. The M.B.A. may also be completed in the evening. This minor is for undergraduate business majors only. Students must be accepted into the M.B.A. program before registering for graduate courses and may only begin taking graduate courses in senior year.

MBA-625 Management Communications and Negotiations
MBA-628 Accounting for Management Decisions

Plus two undergraduate business courses, excluding business core, from the same functional area. The courses must be outside of the student's undergraduate major. It is advised that students selecting this minor consult with a graduate advisor before selecting these two courses.

Pre-M.B.A. Minor for Non-Business Majors 27 credits

The Pre-M.B.A. minor for Non-Business majors provides the opportunity to begin taking graduate-level business courses in the senior year, allowing students who have completed their bachelor's degree to complete a Master of Business Administration degree in one year of daytime study. This minor is for undergraduate non-business majors only. Since there are some differences for the Accounting and Health Care Management M.B.A. options, it is highly recommended to consult with your academic advisor prior to enrolling in any classes. Students must be accepted into the M.B.A. program before registering for graduate courses and may only begin taking graduate courses in the senior year.

Non-Business majors interested in the Joint B.S./M.B.A. Program should obtain a copy of the "Pre-M.B.A. Requirements for Non-Business Majors: Planning Guide." The planning guide should be used in combination with the University catalog and the check sheet for the student's undergraduate major. The Guide describes the requirements for admission and the application process as well as the Pre-M.B.A. course requirements. Planning guides are available from upper-level advisors as well as the Graduate Business

MGMT-301 Principles of Management
MGMT-401 Operations Management (or MBF-510)
MKTG-102 Principles of Marketing
FINC-301 Financial Management (or MBF-505)
MBF-503 Foundations of Economic Analysis
MBF-504 Introduction to Financial and Managerial Accounting
MBF-508 Statistical Analysis for Business Decisions
MBA-625 Management Communications and Negotiations
MBA-628 Accounting for Management Decisions

- Course numbers under 500 indicate that the course is an undergraduate business course.
- Course numbers beginning with "MBF" indicate graduate master-level foundation courses, and course numbers beginning with "MBA" indicate graduate master-level courses.
- Courses in parentheses are acceptable equivalents to those that precede them.

Pre-Occupational Therapy Concentration 21 credits

Occupational therapy is a skilled treatment that helps individuals achieve independence in all facets of their lives. Occupational therapy practitioners assist those suffering

the effects of illness or injury with the goal of enabling those individuals to develop new skills to compensate for their impairments. This minor provides the necessary course work to pursue graduate studies in the field of Occupational Therapy through a focus on courses in Psychology and Biology.

BIOL-104/
BIOL-104L Biology II lecture/lab
PSYCH-213 Developmental Psychology
BIOL-201/
BIOL-201L Human Anatomy & Phys I lecture/lab
BIOL-202/
BIOL-202L Human Anatomy & Phys II lecture/lab
Two additional Psychology courses

Psychology Minor 12 credits

All disciplines in the social sciences analyze human behavior on one level or another. Psychology's uniqueness lies mainly in the fact that it is an experimental science. Students who minor in psychology will study a body of knowledge about the causes of human and animal behavior and the experimental methods used to study behavior. Students completing this minor should be better able to understand their own behavior and the behavior of others, in both work and leisure settings.

PSYCH-101 Introduction to Psychology (required)
Any three Psychology courses (chosen in consultation with a psychology faculty member)

Social Sciences Minor 12 credits

College Studies requirements plus four additional courses approved by the School of Liberal Arts Dean's Office.

Textile Minor 12-15 credits

The Textile minor offers students an introduction to the process flow of fibers through finished products, as well as an overview of the structure of the textile industry. Textile technology is correlated to end-use performance by emphasizing the relationship of textile suppliers, apparel and home furnishing manufacturers, retailers and government regulations to consumer needs. This basic understanding of textile product capabilities and limitations allows the individual to be a discriminating, educated consumer.

TEXT-101 Survey of Textile Industry (required)

Any three of the following:

KNIT-201 Knitting I
PRINT-305 Textile Printing Technology
TEXT-307 Textile Materials
TEXT-113 Yarn
WEAV-201 Weaving I