This is the College of Design General Information and Degree Programs section of the 2006-2008 Undergraduate Catalog for the University of Minnesota, Twin Cities campus.

College of Design

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The College of Design encompasses the full range of design disciplines from graphic design, apparel design, and interior design to architecture, landscape architecture, and urban design. The college also includes programs in housing studies and retail merchandising. The faculty and students in the college seek to advance the quality and value of the natural, designed, and social environments, with a focus on the interaction of people and their world.

Through their design education, students develop creative powers of generalization and abstraction using analysis and synthesis. It also gives them a broad understanding of the arts, humanities, and sciences; a knowledge of technology, history, theory, and professional practice; the skills necessary to develop, explore, and describe design ideas; and a belief in the aesthetic, ethical, and environmental responsibilities of designers.

The college offers the only accredited degrees in architecture, landscape architecture, and interior design in Minnesota, as well as top-rated programs in the other design fields. The undergraduate programs offer both professional and pre-professional degrees, as well as degrees that have a liberal arts and general design focus. The graduate programs range from first-professional degrees to degrees with a creative-practice or research emphasis. Faculty members have close working relationships with industry professionals, who collaborate on discovery and outreach, participate in special programming, and serve as a network for students seeking internships and post-graduation opportunities.

Facilities—The college occupies primarily Rapson Hall on the Minneapolis campus and McNeal Hall on the St. Paul campus. These two buildings offer some of the best facilities in the country in which to study design, featuring dramatic interior spaces, new equipment and furnishings, and outdoor teaching areas. In addition to ample classroom, studio, and office space, the college has specialized facilities, including woodshops, computer labs, and photographic studios. The visual resources collection comprises approximately 100,000 slides to support student and faculty research and educational activities, and the library in Rapson Hall has a collection of more than 34,675 volumes.

The Goldstein Museum of Design, located in McNeal Hall, is an internationally recognized teaching museum and research center for interpreting the vital role of art in everyday life. The museum collects, preserves, documents, and exhibits clothing, textiles, and decorative and graphic arts, with an emphasis on objects of the late 19th and 20th centuries. It promotes the study and enjoyment of these objects within their social, cultural, aesthetic, and historic contexts.

The new Human Dimensioning Laboratory (HDL) provides an innovative research and learning facility for designing new methods of incorporating human dimensions in the development of wearable products. The National Science Foundation provided initial funding to establish the laboratory. HDL researchers use high-tech tools to measure the static and dynamic human form, map the body/product interface, and produce and test prototypes.

For more information on the college’s resources, see the College of Design’s Web site at www.cdes.umn.edu.

Admission
Application policies and deadlines vary by program. Policies are subject to change. For current information, contact the following offices:

Freshmen and transfer students from schools outside the University of Minnesota (or with work only completed through the College of Continuing Education at the University of Minnesota):

University of Minnesota Admissions Office
612-625-2008
www.admissions.tc.umn.edu

Transfer students from other University of Minnesota colleges (e.g., CLA, IT) or coordinate campuses:

College of Design
612-624-1717

Visiting the College of Design
The college strongly encourages prospective students to meet with an adviser for more information about the college’s programs, tour the facilities, and discuss internship and career opportunities. To arrange a visit, students should call 612-624-1717.

Degrees/Majors
The College of Design offers the following degrees and majors.

• Bachelor of science (B.S.) degree with majors in clothing design, graphic design, housing studies, interior design, retail merchandising (through the Department of Design, Housing, and Apparel)
• Bachelor of science in architecture (B.S.Arch) through the Department of Architecture
• Bachelor of design in architecture (B.D.A.) through the Department of Architecture
• Bachelor of environmental design (B.E.D.) through the Department of Landscape Architecture
• In cooperation with the College of Liberal Arts (CLA), a bachelor of arts (B.A.) degree with a major in architecture

Majors in clothing design, graphic design, housing studies, interior design, and retail merchandising prepare students to understand human behavior and design to enhance the well-being of individuals and communities, as well as to prepare for advanced academic and professional work.

Majors in architecture or environmental design prepare students for advanced academic and professional degree work in design, but also establish a strong foundation for other careers that create and sustain the ecological, technological, cultural, and aesthetic well-being of built and conserved environments. These are nonprofessional degrees, and students who want to become licensed architects and landscape architects need to take a professional graduate degree in the College of Design—the M.Arch and the M.L.A. The B.S. program includes an accelerated status option to allow qualified undergraduates to complete the undergraduate and master of architecture (M.Arch.)
degrees in six years rather than seven. Qualified undergraduates may also complete the nonprofessional B.E.D. and the master of landscape architecture (M.L.A.) degrees in six years rather than seven.

Through the Graduate School, the College of Design offers both professional and post-professional, fully accredited graduate degree programs in architecture and landscape architecture. Students interested in the master of arts, master of fine arts, and doctor of philosophy degrees offered in the Department of Design, Housing, and Apparel will find information about these degrees through the Graduate School. Graduate-level certificates are also available in housing studies or metropolitan design.

Minors
The College of Design offers the following minors:
- Architecture
- Design
- Environmental design
- Housing studies
- Retail merchandising

See the Degree Programs section for details on these minors.

Commencement
The College of Design holds official commencement exercises once a year in the spring. Students who have applied to graduate are provided information about commencement.

Honors
Students who have an outstanding record of academic achievement and seek the challenge and special rewards of honors study may be eligible for admission to an honors program.

Honors opportunities and benefits include:
- special enrichment programs,
- personalized instruction,
- research partnerships with professors,
- participation in honor societies, and
- graduating with honors.

For more information, students should contact the honors adviser (612-624-1717) or check the Web site.

Professional Registration
The College of Design provides Minnesota’s only accredited professional degree programs in interior design (a B.S.), architecture (the M.Arch.), and landscape architecture (the M.L.A.).

In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, reaccredited the College of Design’s M.Arch program for another four years without qualifications, and the Landscape Architectural Accreditation Board (LAAB) fully reaccredited the M.L.A. degree. The Council for Interior Design Accreditation (CIDA) has accredited the College of Design’s interior design program—the only four year program in the state.

For more information concerning professional registration, contact the Minnesota Board of Architecture, Engineering, Land Surveying and Landscape Architecture, and Interior Design (651-296-2388).

Policies
College of Design students are responsible for complying with University policies. See the Policies section of this catalog.

Academic Integrity—College of Design students are expected to behave responsibly and ethically. College of Design students, faculty, and staff work together to create and sustain a climate of open and scholarly debate. College of Design faculty act on cases involving alleged academic dishonesty (cheating), which may result in modification of a course grade. Instructors must report any action to the college office, and the student is informed of the right to ask for a committee hearing.

Student Scholastic Standing Committee—The College of Design’s Student Scholastic Standing Committee, composed of administrators and college office staff, interprets and enforces college and University regulations relating to academic affairs. It handles requests for exceptions to registration policies and procedures, transfer of credit policies, and some degree requirements. The committee administers the college probation system; monitors students’ performance; and deals with questions of probation, suspension, and readmission.

The committee seeks to maintain the spirit of the College of Design’s regulations as flexibly as possible and is empowered to make exceptions in cases in which regulations work to students’ educational disadvantage.

Students are urged to consult a committee representative in the college office concerning almost any kind of problem, but especially those they think interfere with their ability to attain their academic objectives. Well-established petition and appeal procedures assure full review of student requests.

Computer Requirement—Architecture students in studio classes are required to have a laptop computer, and interior design students are required to have a laptop computer after portfolio review. For the most current information about computer requirements (and suggestions for students who, although are not required to purchase a computer, choose to), visit the College of Design’s Web site.

Advising
Office of Student Services—This office serves students from their prospective visit through to graduation. It assists students with registration, course access, degree programs, declaring a major, petitions, graduation clearance, commencement, and other student issues for all majors. Student services also assists with access to the mentor program, internship information, and career opportunities.

Prospective student advising provides general information about degree programs; related professional fields in interior design, architecture, and landscape architecture; admission and program requirements; and college services, and refers prospective graduate students to the appropriate department director of graduate studies. Prospective students should call 612-624-1717.

Advisers are available by appointment or during drop-in hours for students admitted to the college. To make an appointment with an adviser, call 612-626-3690 (for architecture or landscape architecture majors) or 612-624-1717 (for Department of Design, Housing, and Apparel majors).
Special Learning Opportunities and Resources

Continuing Education—The College of Design offers continuing education courses for architecture, landscape architecture, and interior design professionals. Courses are designed to meet the content interests of the practitioner and are offered in short, convenient, seminar formats.

International Programs

The College of Design encourages students to participate in an international study experience as part of their degree program. Students may spend a semester, academic year, May session, or summer session enhancing their cross-cultural skills or acquiring professional experience. With careful planning, students can generally apply credits earned abroad toward their degree program. The college has a list of recommended locations for study abroad.

For more information about international programs, visit the Learning Abroad Center in 230 Heller Hall. Advisers there can assist with study and credit options, financial aid, and orientations. For a full listing of study abroad opportunities, see www.UMabroad.umn.edu.

Scholarships

Students are encouraged to apply for scholarships to further their studies; most awards are made on an annual basis. In addition to financial aid offered by the University, the college administers several scholarship programs of its own. Find out more about available scholarships, application materials, and instructions on the College of Design’s Web site.

Career Information

Career services are available for all majors through campus career centers. Specialized services are also available for professional and preprofessional students in the college.

All programs in the Department of Design, Housing, and Apparel require students to participate in a preplanned internship experience and other programs strongly encourage it. Internship credits vary, depending on program area. The St. Paul Campus Career Center acts as a clearinghouse for internship information.

For questions concerning career planning, internships, and job opportunities, call the center at 612-624-2710.

Student Organizations

- College of Design Student Board
- American Institute of Architecture Students (AIAS)
- American Society of Interior Designers
- Design Institute Student Board
- Graphic Design Club
- Greenlight
- Housing Organization for University Students
- International Interior Design Association
- Minnesota Chapter of the American Society of Landscape Architecture Students (MASLAS)
- Students for New Urbanism

Directory

Dean's Office
101 Rapson Hall, Minneapolis
612-626-9068
Dean: Thomas Fisher

Student Services

Architecture and Landscape Architecture majors
107 Rapson Hall, Minneapolis
612-626-3690

Design, Housing, and Apparel majors
12 McNeal Hall, St. Paul
612-624-1717

Department of Architecture
145 Rapson Hall, Minneapolis
612-624-7866
Department head: Renee Cheng

Department of Design, Housing, and Apparel
240 McNeal Hall, St. Paul
612-624-9700
Department head: Becky Love Yust

Department of Landscape Architecture
144 Rapson Hall, Minneapolis
612-625-6860
Director: John Koepke
Degree Programs and Minors

Architecture B.S. Arch.

Requirements for this program are current for Fall 2006.

Required credits to graduate with this degree: 120.

Required credits within the major: 47.

Degree: Bachelor of Science in Architecture.

The bachelor of science (B.S. Arch.) degree with a major in architecture provides instruction in history, representation, design, theory, and technology, emphasizing the development of architecture as a language of form, space, and order. The program requires an understanding of social, cultural, and physical contexts as a foundation for the examination of the methods, values, precedents, and material reality characteristic of the process of shaping natural and built environments. The major combines core prerequisites with a focused introduction to the discipline of architecture, including required courses in representation, history, theory, technology, and design processes.

Admission Requirements

Students must complete 10 courses (including freshman composition) before admission to the program. Freshmen and transfer students are usually admitted to pre-major status before admission to this major.

A GPA above 2.00 is preferred for the following:

- 2.80 for students already admitted to the degree-granting college.
- 2.80 for students transferring from another University of Minnesota college.
- 2.80 for students transferring from outside the University.

Prior to an application deadline, students must meet with an undergraduate adviser in 107 Rapson Hall (612-626-3690). For information about University of Minnesota admission requirements, visit [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu).

Required Courses

Math and Physics

- MATH 1142 - Short Calculus, MATH (4.0 cr)
- or MATH 1271 - Calculus I, MATH (4.0 cr)
- or MATH 1281 - Calculus with Biological Emphasis I, MATH (4.0 cr)
- or MATH 1371 - IT Calculus I, MATH (4.0 cr)
- PHYS 1101W - Introductory College Physics I, PHYS SCI/L, WI (4.0 cr)
- or PHYS 1201W - Introductory Physics for Biology and Pre-medicine I, PHYS SCI/L, WI (5.0 cr)
- or PHYS 1301W - Introductory Physics for Science and Engineering I, PHYS SCI/L, WI (4.0 cr)

Preparatory Courses

- ARCH 3301 - Drawing for Design in Architecture, OH (3.0 cr)
- ARCH 3401W - Environmental Design and the Sociocultural Context, C/PE, WI (3.0 cr)
- ARCH 3411 - Architectural History to 1750, HP, IP (3.0 cr)
- LA 3501 - Environmental Design and Its Biological and Physical Context, ENV/PE, WI (3.0 cr)
- ARCH 1301 - Introduction to Drawing in Architecture and Landscape Architecture, OH (4.0 cr)

or LA 1301 - Introduction to Drawing in Architecture and Landscape Architecture, OH (3.0 cr)
- ARCH 1401 - The Designed Environment (3.0 cr)
- or LA 1401 - The Designed Environment (3.0 cr)
- ARCH 3412 - Architectural History since 1750, HP, IP (3.0 cr)
- or ARCH 3422H - Honors: Architectural History Since 1750, HP, IP, H (3.0 cr)

General Requirements

Recommended freshman writing course(s) for this program: ENGC 1011

Program Requirements

Students should maintain a portfolio of originals or duplicates of all freehand drawings, projects, and architecture studio designs. A portfolio is required for application to the accelerated program and the graduate professional degree program.

All prerequisite courses including courses in math, physics, and English composition must be taken A-F with grades of C- or better to satisfy degree requirements and to progress in sequence courses.

Accelerated status in architecture is a competitive opportunity for qualified undergraduates to complete the B.A. or B.S. degree with a major in architecture and the M.Arch. degree in six years rather than seven. Talk to an adviser for more information.

Required Courses

Major Courses

In addition to the requirements below, students must complete 9 upper division credits outside the major.

- ARCH 4281 - Undergraduate Architecture Studio I (6.0 cr)
- ARCH 4282 - Undergraduate Architecture Studio II (6.0 cr)
- ARCH 4283 - Undergraduate Architecture Studio III (6.0 cr)
- ARCH 4284 - Undergraduate Architecture Studio IV (4.0 cr)
- ARCH 4501 - Architecture and Ecology (4.0 cr)
- ARCH 4511 - Building Systems I (3.0 cr)
- ARCH 4571 - Introduction to Structures (3.0 cr)
- Any ARCH 44xx course

Take 3 or more course(s) from the following:

- ARCH 3xxx
- ARCH 4xxx
- ARCH 5xxx

Program Sub-plans

A sub-plan is not required for this program.

Accelerated Program

Accelerated status in architecture is a competitive opportunity for qualified undergraduates to complete the B.S. degree with a major in architecture and the M.Arch. degree in six years rather than seven. Accelerated status applicants must complete all but 14 credits of upper division architecture courses before their senior year.

Students complete the first year of the graduate professional degree program in their senior year; courses carry upper division credit and complete the B.S. degree.
College of Design

To be considered for accelerated status, students must be enrolled at the University as a B.S. or B.A. major in architecture, have completed one year of architecture design studio (ARCH 5281, ARCH 5282), have completed 90 credits, and have earned an overall GPA of 3.50. Admission to accelerated status does not guarantee admission to the graduate professional program; separate requirements, such as the Graduate Record Examination (GRE) and other application documents, must be submitted in January of the year admission to the graduate program is sought. See an adviser in 107 Rapson Hall for additional criteria. Deadline for consideration is June 15.

Architecture Minor
Requirements for this program are current for Fall 2006.
Required credits in this minor: 18.
An undergraduate minor in architecture introduces the foundational ideas of the discipline as a social, cultural, historic, and environmental constructs.

Admission Requirements
For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Program Requirements
A maximum of 9 transfer credits may be used toward the minor. A maximum of three courses taken for a major may also be used toward the minor. Students must earn a C- or better in all minor coursework.

Required Courses
Minor Courses
ARCH 1401 - The Designed Environment (3.0 cr)
LA 3501 - Environmental Design and Its Biological and Physical Context, ENVT (3.0 cr)
ARCH 3401W - Environmental Design and the Sociocultural Context, C/PE, WI (3.0 cr)
or
ARCH 3401V - Honors: Environmental Design and the Sociocultural Context, WI, H (3.0 cr)
Take 9 or more credit(s) from the following:
ARCH 3xxx
ARCH 4xxx
ARCH 5xxx

Clothing Design B.S.
Design, Housing & Apparel
Requirements for this program are current for Fall 2006.
Required credits to graduate with this degree: 120.
Required credits within the major: 77 to 81.
Degree: Bachelor of Science
In the clothing design program students develop an understanding of the textile and clothing product development process, including design, production, and marketing. Students are challenged to integrate knowledge of the product with consumer needs and business constraints.
The program emphasizes and integrates creative thinking and technical skill. Students become proficient in manual and computer methods of pattern development and implement apparel structuring methods appropriate for custom design or industry production. Courses cover costume history, social and cultural meanings of apparel, the textile and apparel consumer, and aesthetics. Students take six sequential clothing design studio courses. A required internship ensures that students gain professional experience.
Students entering the program should have clothing construction/assembly competence and a working knowledge of microcomputers and software. Students are encouraged to use the liberal education categories to explore multicultural themes and to strengthen knowledge that supports their major coursework.
Graduates of the program work in various settings, including product development and quality assurance for large retail companies, product design for small and large manufacturers, theatre and film design, wearable art, and custom design.

Admission Requirements
Students must complete 6 courses before admission to the program. Freshmen and transfer students are usually admitted to pre-major status before admission to this major.
A GPA above 2.00 is preferred for the following:
• 2.50 for students already admitted to the degree-granting college.
• 2.50 for students transferring from another University of Minnesota college.
• 2.50 for students transferring from outside the University.

Program Requirements
A maximum of 9 transfer credits may be used toward the minor. A maximum of three courses taken for a major may also be used toward the minor. Students must earn a C- or better in all minor coursework.

Required Courses
Required Courses for Admission
Pre-Clothing Design Courses
Students must demonstrate competence in basic clothing construction skills by either passing the DHA sewing proficiency examination or by successfully completing DHA 1221.
Note: Students must be admitted to a pre-major status to take most of these classes.
DHA 1101W - Introduction to Design Thinking, OH, WI (4.0 cr)
DHA 1201 - Clothing Design, Merchandising, and the Consumer, C/PE (3.0 cr)
DHA 1311 - Foundations: Drawing and Design in Two and Three Dimensions (4.0 cr)
DHA 1312 - Foundations: Color and Design in Two and Three Dimensions (4.0 cr)
DHA 2221 - Clothing Design Studio I (4.0 cr)
DHA 1221 - Clothing Assembly Fundamentals (3.0 cr)
or pass sewing proficiency exam

General Requirements
Recommended freshman writing course(s) for this program: RHET 1101

Program Requirements
Required Courses
Communication Courses
COMM 1101 - Introduction to Public Speaking (3.0 cr)
or PSTL 1461 - Oral Communication in the Public Sphere, C/PE (3.0 cr)
or RHET 1223 - Oral Presentations in Professional Settings (3.0 cr)
Design Minor

Requirements for this program are current for Fall 2006.

Required credits in this minor: 18.

The interdisciplinary design minor is appropriate for students who would like a taste of design or those who want a renewed perspective on design. Traditional design courses and nontraditional views of design provide an integrated perspective. The minor includes core courses that provide a basis for design thinking as well as electives to allow students to explore their area of interest in design. As an interdisciplinary minor, 9 credits must be taken outside the student’s major.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions Web site at http://admissions.tc.umn.edu.

Program Requirements

Required Courses

Students majoring in architecture, clothing design, environmental design, graphic design, housing studies, interior design, or retail merchandising follow different requirements. See the design major adviser.

Foundation Courses

DHA 1101W - Introduction to Design Thinking, OH, WI (4.0 cr)
DESI 4001 - Design Minor Seminar (3.0 cr)

Minor Courses

Take 2 or more course(s) from the following:

ARCH 3311 - Design in the Digital Age (3.0 cr)
HUMF 3505 - Intro to Human-Centered Design (3.0 cr)
JOUR 4551 - New Media Culture (3.0 cr)
ME 2011 - Introduction to Engineering (4.0 cr)

Electives

Choose two additional approved electives for 6 to 8 credits. Approved elective course lists are available from the Design Institute or online at http://design.umn.edu.

Design in Architecture B.D.A.

Architecture

Requirements for this program are current for Fall 2006.

Required credits to graduate with this degree: 120.

Required credits within the major: 74.

Degree: Bachelor of Design in Architecture.

The bachelor of design in architecture (B.D.A.) is a flexible degree in design thinking through architecture. The program requires an understanding of social, cultural, and physical contexts as a foundation for the examination of the methods, values, precedents, and material reality characteristic of the process of shaping natural and built environments. It includes many architectural electives and priority access to design workshops. The B.D.A. is the best option for those interested in exploring the breadth of the architectural discipline.

Admission Requirements

Students must complete 30 credits before admission to the program.

A GPA above 2.00 is preferred for the following:

• 2.80 for students already admitted to the degree-granting college.

• 2.80 for students transferring from another University of Minnesota college.

• 2.80 for students transferring from outside the University.

For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Required Courses for Admission

Prerequisite Courses

ARCH 1281 - Design Fundamentals I (4.0 cr)
ARCH 1701 - The Designed Environment (3.0 cr)
or LA 1401 - The Designed Environment (3.0 cr)

General Requirements

Recommended freshman writing course(s) for this program:

ENGC 1011

Program Requirements

Required Courses

Architecture Major Core

ARCH 1301 - Introduction to Drawing in Architecture, OH (4.0 cr)
ARCH 3401W - Environmental Design and the Sociocultural Context, C/PE, WI (3.0 cr)
ARCH 3411 - Architectural History to 1750, HP, IP (3.0 cr)
ARCH 3412 - Architectural History since 1750, HP, IP (3.0 cr)
ARCH 3611 - Design in the Digital Age (3.0 cr)
ARCH 4561 - Architecture and Ecology (4.0 cr)
ARCH 4701 - Introduction to Urban Form and Issues (3.0 cr)
LA 3501 - Environmental Design and Its Biological and Physical Context, ENVT (3.0 cr)
MATH 1142 - Short Calculus, MATH (4.0 cr)
PHYS 1101W - Introductory College Physics I, PHYS SCI/L, WI (4.0 cr)
ARCH 2281 - Design Fundamentals II (4.0 cr)
ARCH 4434 - Contemporary Architecture (3.0 cr)
or ARCH 4431W - Eighteenth-Century Architecture and the Enlightenment, WI (3.0 cr)
or ARCH 4443W - Nineteenth-Century Architecture and the Enlightenment, WI (3.0 cr)
or ARCH 4423 - Gothic Architecture (3.0 cr)
or ARCH 4432 - Modern Architecture (3.0 cr)
or ARCH 4433W - Modern Architecture and the Enlightenment, WI (3.0 cr)
or ARCH 4434W - Contemporary Architecture (3.0 cr)
or

College of Design
Environmental Design B.E.D.

Landscape Architecture

Requirements for this program are current for Fall 2006.
Required credits to graduate with this degree: 120.
Required credits within the major: 73.
Degree: Bachelor of Environmental Design

Landscape architecture focuses on issues of land use and creating a future that provides a quality lifestyle in a quality environment for an ever-increasing human population. In dealing with these issues, landscape architects integrate the design, planning, and management of the landscape to create outdoor environments that sustain ecological function, fulfill human aspirations for community development, public health, and safety, and are artistically evocative and meaningful.

Admission Requirements

Students must complete 30 credits (including freshman composition) before admission to the program. Transfer students are usually admitted to pre-major status before admission to this major.

A GPA above 2.00 is preferred for the following:

• 2.50 for students already admitted to the degree-granting college.
• 2.50 for students transferring from another University of Minnesota college.
• 2.50 for students transferring from outside the University.

Students must have all high school preparation requirements completed before admission to the program is granted.

For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Program Requirements

Required Courses

Required courses within the major: 73.

Architectural Electives

Take 15 or more credit(s) from the following:
ARCH 3xxx
ARCH 4xxx

Design Workshops

Take 12 or more credit(s) from the following:
ARCH 4xxx

Accelerated Program

This sub-plan is optional and does not fulfill the sub-plan requirement for this program.

The accelerated status option admits a limited number of students annually and allows qualified undergraduates to complete the B.E.D. and M.L.A. in six years rather than seven years.

Applicants for the accelerated status must complete the first three years of the B.E.D. degree requirements before their senior year. Students must complete the first year of the professional degree program in their undergraduate senior year. These courses carry upper division credit and satisfy senior year B.E.D. requirements.

Accelerated status is granted on a competitive basis and does not admit any student to the graduate professional program. Separate requirements, such as letters of recommendation, a letter of interest, and other application documents, must be submitted in January of the year that students are seeking admission to the graduate program. B.E.D. graduates who have completed the accelerated status option and applied to the M.L.A. professional degree program will receive advanced standing in the M.L.A. program upon acceptance by the Department of Landscape Architecture and the Graduate School.

Landscape Design

The design track prepares students for a career in landscape design at the residential and small-scale commercial level. The landscape design track also requires students to take courses in biological science, plant materials, landscape management, and small business management.

Required Courses

Math and Science Courses

BIOI 1009 - General Biology, BIOL SCI/L (4.0 cr)
or BIOI 1009H - Honors: General Biology, BIOL SCI/L, H (4.0 cr)
CHEM 1011 - Introductory Chemistry: Lecture and Laboratory, PHYS SCI/L (4.0 cr)
or CHEM 1031H - Honors Chemistry I, ENVT, PHYS SCI/L, H (4.0 cr)
MATH 1031 - College Algebra and Probability, MATH (3.0 cr)
or MATH 1142 - Short Calculus, MATH (4.0 cr)

Landscape Design Core

APEC 1101 - Principles of Microeconomics, SSCI (3.0 cr)
BIOI 3002 - Plant Biology: Function (2.0 cr)
HORT 1001 - Plant Propagation, BIOL SCI/L (4.0 cr)
HORT 1015 - Woody and Herbaceous Plants (4.0 cr)
HORT 3005 - Environmental Effects on Horticultural Crops (2.0 cr)
HORT 4021 - Landscape Design and Implementation I (4.0 cr)
HORT 4061W - Turfgrass Management, WI (3.0 cr)
HORT 4096 - Professional Experience Program: Internship (1.0-3.0 cr)
HORT 5021 - Landscape Design and Implementation II (4.0 cr)
SOIL 2125 - Basic Soil Science, ENVT (4.0 cr)
Environmental Design Minor
Requirements for this program are current for Fall 2006.
Required credits in this minor: 21.
See the major description.

Admission Requirements
For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Program Requirements
A maximum of 9 transfer credits may be used for the minor and a maximum of three courses taken for a major degree may also be used toward the minor. A minimum grade of C- is required in all minor coursework.

Required Courses
Minor Courses
LA 3001 - Understanding and Creating Landscape Space (3.0 cr)
LA 3413 - Introduction to Landscape Architectural History, IP (3.0 cr)
ARCH 1401 - The Designed Environment (3.0 cr)
or LA 1401 - The Designed Environment (3.0 cr)

Electives
Take 12 or more credit(s) from the following:
ARCH 3301 - Drawing for Design in Architecture, OH (3.0 cr)
ARCH 3401W - Environmental Design and the Sociocultural Context, C/PE, WI (3.0 cr)
EEB 3001 - Ecology and Society, ENVT (3.0 cr)
LA 1101W - Introduction to Design Thinking, OH, WI (4.0 cr)
LA 1201 - Learning from the Landscape, CD (3.0 cr)
LA 1202 - Making the Mississippi, C/PE (3.0 cr)
LA 1301 - Introduction to Drawing in Architecture and Landscape Architecture, OH (3.0 cr)
LA 3002 - Informants of Creating Landscape Space (3.0 cr)
LA 3204 - Landscape Ecology (3.0 cr)
LA 3501 - Environmental Design and Its Biological and Physical Context, ENVT (3.0 cr)
LA 3571 - Landscape Construction: Site Systems and Engineering (3.0 cr)
LA 5712 - Infrastructure, Natural Systems and the Space of Inhabited Landscapes (3.0 cr)
LA 8302 - Professional Practice (3.0 cr)

Graphic Design B.S.

Design, Housing & Apparel

Requirements for this program are current for Fall 2006.
Required credits to graduate with this degree: 120.
Required credits within the major: 86 to 91.
Degree: Bachelor of Science.

The graphic design program educates students in design methods, design theory, creative problem solving, and visual and verbal literacy. An emphasis is placed on visual components: how humans communicate, perceive, interpret, and understand visual information. The program fosters flexibility, which enables graduates to adapt to social, cultural, and technological change in graphic design. The program’s foundation is broadly based. Students begin with courses in fundamental aspects of visual studies. Upper division courses prepare them for graphic design positions in print and electronic media. An internship of 1-4 credits is required.
Admission Requirements
Students must complete 4 courses before admission to the program. Freshmen and transfer students are usually admitted to pre-major status before admission to this major.
A GPA above 2.00 is preferred for the following:
• 2.50 for students already admitted to the degree-granting college.
• 2.50 for students transferring from another University of Minnesota college.
• 2.50 for students transferring from outside the University.
Admission to the pre-major status is decided by a competitive holistic review. Students must maintain a GPA of 2.50 during pre-major coursework. In addition, students must receive a minimum grade of C- or better in the required pre-major courses before going through portfolio review (not just a 2.50 GPA). Once students have achieved major status, they must maintain a GPA of 2.00.
Students must be admitted to the pre-major status program to take most of the pre-graphic design coursework.
For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

Required Courses for Admission
Pre-Graphic Design Courses
DHA 1101W - Introduction to Design Thinking, OH, WI (4.0 cr)
DHA 1311 - Foundations: Drawing and Design in Two and Three Dimensions (4.0 cr)
DHA 1312 - Foundations: Color and Design in Two and Three Dimensions (4.0 cr)
DHA 1315 - Foundations: The Graphic Studio (4.0 cr)

General Requirements
Recommended freshman writing course(s) for this program: RHET 1101

Program Requirements
Required Courses
Communication Courses
COMM 1101 - Introduction to Public Speaking (3.0 cr)
or PSTL 1461 - Oral Communication in the Public Sphere, C/PE (3.0 cr)
or RHET 1223 - Oral Presentations in Professional Settings (3.0 cr)
ENGC 3027W - Advanced Expository Writing, WI (4.0 cr)
or RHET 3562W - Technical and Professional Writing, WI (4.0 cr)

Art History Courses
ARCH 3411 - Architectural History to 1750, HP, IP (3.0 cr)
or ARCH 3412 - Architectural History since 1750, HP, IP (3.0 cr)
or ARTH 1xxx
or ARTH 2xxx
or ARTH 3xxx
or ARTH 4xxx
or ARTH 5xxx
or DHA 4121 - History of Costume (4.0 cr)
or DHA 4161 - History of Interiors and Furnishings: Ancient to 1750, IP (4.0 cr)

Business, Economics, or Marketing Courses
Students must select one course in either business, economics, or marketing.
ACCT 1xxx
or ACCT 2xxx
or ACCT 3xxx
or ACCT 4xxx
or ACCT 5xxx
or APEC 1101 - Principles of Microeconomics, SSCI (3.0 cr)
or APEC 1102 - Principles of Macroeconomics, IP, SSCI (3.0 cr)
or APEC 1251 - Principles of Accounting (3.0 cr)
or ECON 1xxx
or ECON 2xxx
or ECON 3xxx
or ECON 4xxx
or ECON 5xxx
or PSTL 1511 - Introduction to Business and Society, SSCI (4.0 cr)
or PSTL 1513 - Small Business Fundamentals With E-Business Applications (3.0 cr)
or MGMT 3xxx
or MKTG 3xxx

History Courses
AFRO 3204 - History of South Africa to 1910, HP, IP (3.0 cr)
or AFRO 3205 - History of South Africa from 1910, HP (3.0 cr)
or AFRO 3431 - Early Africa and Its Global Connections, HP, IP (4.0 cr)
or AFRO 3432 - Modern Africa in a Changing World, HP, IP (4.0 cr)
or AFRO 3864 - African American History: 1619 to 1865, CD, HP (4.0 cr)
or AFRO 3865 - African American History: 1865 to the Present, CD, HP (4.0 cr)
or AMIN 3871 - American Indian History: Pre-Contact to 1830, CD, HP (4.0 cr)
or AMIN 3872 - American Indian History: 1830 to the Present, CD, HP (4.0 cr)
or CNES 1043 - Introduction to Greek and Roman Archaeology, HP (4.0 cr)
or PSTL 1231 - Perspectives in American History, HP (4.0 cr)
or PSTL 1251 - World History: Since 1500, HP, IP (4.0 cr)
or HIST 1011V - Honors: World History, HP, IP, WI, H (4.0 cr)
or HIST 1011W - World History, HP, IP, WI, H (4.0 cr)
or HIST 1012V - Honors: World History, HP, IP, WI, H (4.0 cr)
or HIST 1012W - World History: The Age of Global Contact, HP, IP, WI (4.0 cr)
or HIST 1015W - Introduction to Global History Since 1950, HP, IP, WI (4.0 cr)
or HIST 1017 - World History, HP, IP (3.0 cr)
or HIST 1018 - World History: The Age of Global Contact, HP, IP (3.0 cr)
or HIST 1019 - Introduction to Global History Since 1950, HP, IP (3.0 cr)
or HIST 1026 - Western Civilization from its Origins to ca 1500, HP, IP (3.0 cr)
or HIST 1027 - Western Civ From 1500 to Present, HP, IP (3.0 cr)
or HIST 1031V - Honors: Survey of Western Civilization From its Origins to ca 1500, HP, IP, WI, H (4.0 cr)
or HIST 1031W - Western Civilization, From Its Origins to ca 1500, HP, IP, WI, H (4.0 cr)
or HIST 1032V - Honors: Western Civilization, From 1500 to Present, HP, IP, WI, H (4.0 cr)
or HIST 1032W - Western Civilization, From 1500 to Present, HP, IP, WI (4.0 cr)
or HIST 1301V - Honors: U.S. History to 1877, CD, HP, WI, H (4.0 cr)
or HIST 1301W - U.S. History to 1877, CD, HP, WI, H (4.0 cr)
or HIST 1302V - Honors: U.S. History, From 1865 to Present, CD, HP, WI, H (4.0 cr)
or HIST 1302W - U.S. History, From 1865 to Present, CD, HP, WI (4.0 cr)
or HIST 1307 - American History to 1877, CD, HP (3.0 cr)
or HIST 1308 - U.S. History: From 1865 to Present, CD, HP (3.0 cr)
or HIST 3151W - British History to the 17th Century, C/PE, HP, WI (4.0 cr)
or HIST 3152 - British History From the Seventeenth Century, C/PE, HP (4.0 cr)
or HIST 3211 - History of Sexuality in Europe (3.0 cr)
or HIST 3347 - Women in Early and Victorian America: 1600-1890, CD, HP (3.0 cr)
or HIST 3348 - Women in Modern America, CD, HP (3.0-4.0 cr)
or HIST 3401W - Early Latin America to 1825, HP, IP, WI (4.0 cr)
or HIST 3402W - Modern Latin America 1825 to Present, HP, IP, WI (4.0 cr)
or HIST 3421 - The World and the West 1400-1900, HP, IP (3.0 cr)
or HIST 3431 - Early Africa and Its Global Connections, HP (4.0 cr)
or HIST 3432 - Modern Africa in a Changing World, HP, IP (4.0 cr)
or HIST 3461 - Introduction to East Asia I: The Imperial Age, HP, IP (3.0-4.0 cr)
or HIST 3462 - Introduction to East Asia II: 1600-2000, HP, IP (3.0-4.0 cr)
or HIST 3467W - State and Revolution in Modern China, HP, WI (3.0 cr)
or HIST 3468 - Social Change in Modern China, HP (3.0 cr)
or HIST 3471 - Modern Japan, Meiji to the Present (1868-2000), HP, IP (3.0 cr)
or HIST 3472 - Early Modern Japan (3.0 cr)
or HIST 3474 - The Rise of Modern Japan: 1850s to 1900s, HP, IP (3.0 cr)
or HIST 3608W - History of the Catholic Church in the Middle Ages, HP, WI (3.0 cr)
or HIST 3611 - Medieval Cities of Europe: 500-1500, HP, IP (3.0 cr)
or HIST 3615W - Women in European History: 1500 to the Present, HP, WI (3.0 cr)
or HIST 3616 - France in the Middle Ages, HP (3.0 cr)
or HIST 3621 - Renaissance Italy: 1200-1550, C/PE, HP (3.0 cr)
or HIST 3626 - France From the Late 16th Century Through Napoleon: 1594-1815 (3.0 cr)
or HIST 3703W - European Cities: 1300-1800, HP, IP, WI (3.0 cr)
or HIST 3704W - Daily Life in Europe: 1300-1800, HP, WI (3.0 cr)
or HIST 3721 - 20th-Century Europe From the Turn of the Century to the End of World War II: 1900-1945, HP, IP (3.0 cr)
or HIST 3722 - 20th-Century Europe From the End of World War II to the End of the Cold War: 1945-1991, HP, IP (3.0 cr)
or HIST 3801 - The People of Early America: 16th to 18th Centuries, CD, HP (3.0 cr)
or HIST 3871 - American Indian History: Pre-Contact to 1830, CD, HP (4.0 cr)
or HIST 3872 - American Indian History: 1830 to the Present, CD, HP (4.0 cr)
or HSCI 1714 - Technology and Civilization: Stone Tools to Steam Engines, HP, IP (4.0 cr)
or HSCI 1715 - Technology and Civilization: Waterwheels to the Web, HP, IP (4.0 cr)
or HSCI 1814 - Revolutions in Science: The Babylonians to Newton, HP, IP (4.0 cr)
or HSCI 1815 - Revolutions in Science: Lavoisier, Darwin, and Einstein, HP, IP (4.0 cr)
or HSCI 3331 - Technology and American Culture, HP (3.0 cr)
or HSCI 3332 - Science and American Culture, CD, HP (3.0 cr)
or HSCI 3714 - Technology and Civilization: Stone Tools to Steam Engines, HP, IP (4.0 cr)
or HSCI 3715 - Technology and Civilization: Waterwheels to the Web, HP, IP (4.0 cr)
or HSCI 3814 - Revolutions in Science: The Babylonians to Newton, HP, IP (4.0 cr)
or HSCI 3815 - Revolutions in Science: Lavoisier, Darwin, and Einstein, HP, IP (4.0 cr)

Photography Courses
ARTS 1701 - Photography, OH (4.0 cr)
or DHA 4351 - Design Process: Photography (3.0 cr)
or PSTL 1485 - Creativity: Photography (4.0 cr)
or RHET 3101 - Functional Photography (3.0 cr)
or RHET 3102 - Digital Photography (2.0-3.0 cr)

Major Courses
DHA 2311 - Drawing and Illustration (3.0 cr)
DHA 2334 - Computer Applications I: Digital Composition for Design (3.0 cr)
DHA 2345 - Typographic Design (3.0 cr)
DHA 2351 - Graphic Design I: Text and Image (3.0 cr)
DHA 2385W - Design and Factors of Human Perception, WI (4.0 cr)
DHA 3312 - Color and Form in Surface Design (3.0 cr)
DHA 3352 - Graphic Design II: Identity and Symbols (3.0 cr)
DHA 3353 - Graphic Design III: Packaging and Display (3.0 cr)
DHA 4311W - History of Visual Communication, HP, WI (4.0 cr)
DHA 4345 - Advanced Typographic Design (4.0 cr)
DHA 4351 - Design Process: Photography (3.0 cr)
DHA 4352 - Design Process: Bookmaking (3.0 cr)
DHA 4354 - Graphic Design IV: Integrative Campaign (4.0 cr)
DHA 4365W - Graphic Design Senior Seminar, C/PE, WI (4.0 cr)

Emphasizing Materials Courses
Students must take one course emphasizing materials (DHA 4351 may be used if not taken for photography requirement). See an adviser for course options other than those in the list below.
DHA 4330 - Surface Fabric Design Workshop (4.0 cr)
or DHA 4340 - Woven, Knit, and Non-Woven Fiber Design Workshop (4.0 cr)
or DHA 4351 - Design Process: Photography (3.0 cr)
or DHA 4352 - Design Process: Bookmaking (3.0 cr)

Electives
See an adviser for course options other than those listed below.

Housing Studies B.S.

Design, Housing & Apparel

Requirements for this program are current for Fall 2006.
Required credits to graduate with this degree: 120.
Required credits within the major: 71 to 74.

Degree: Bachelor of Science

The housing studies program allows students to study shelter in its multiple dimensions. Coursework in the program includes social and behavioral sciences, economics, public policy, planning, design, and technology.
After first acquiring a broad background of housing courses, students select one of four areas of concentration: community development and policy, housing technology, management and finance, or selected populations.
The housing studies program provides the academic background and professional preparation needed for graduate studies leading to college teaching, research, or planning/administrative positions.
Depending upon prior coursework, the housing studies major requirements can often be completed in two years. Students are encouraged to meet with an adviser to discuss their specific situations.

Admission Requirements
For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

General Requirements
Recommended freshman writing course(s) for this program: RHET 1101

Program Requirements

Required Courses

Communication Courses
COMM 1101 - Introduction to Public Speaking (3.0 cr)
or PSTL 1461 - Oral Communication in the Public Sphere, C/PE (3.0 cr)
or RHET 1223 - Oral Presentations in Professional Settings (3.0 cr)
ENGC 3027W - Advanced Expository Writing, WI (4.0 cr)
or RHET 3101 - Functional Photography (3.0 cr)

or RHET 3562W - Technical and Professional Writing, WI (4.0 cr)

or RHET 4311W - History of Visual Communication, HP, WI (4.0 cr)
or RHET 4351 - Design Process: Photography (3.0 cr)
or RHET 4352 - Design Process: Bookmaking (3.0 cr)

or RHET 4354 - Graphic Design IV: Integrative Campaign (4.0 cr)

or RHET 4365W - Graphic Design Senior Seminar, C/PE, WI (4.0 cr)

or RHET 5314 - Technology and Civilization: Stone Tools to Steam Engines, HP, IP (4.0 cr)
or RHET 5315 - Technology and Civilization: Waterwheels to the Web, HP, IP (4.0 cr)
or RHET 5316 - Technology and Civilization: Waterwheels to the Web, HP, IP (4.0 cr)
Required Major Coursework
An internship of at least 300 hours in a situation related to the student’s area of specialization is required. Students must complete at least half of the required core program courses before enrolling in the internship (DHA 4196).

BP 3411 - Introduction to Residential Construction (2.0 cr)
DHA 1101W - Introduction to Design Thinking, OH, WI (4.0 cr)
DHA 2401 - Introduction to Housing (3.0 cr)
DHA 2402 - Residential Technology (3.0 cr)
DHA 2463 - Housing and Community Development, C/PE (3.0 cr)
DHA 4196 - Internship in DHA (1.0-4.0 cr)
DHA 4461 - Housing Development and Management (3.0 cr)
DHA 5463 - Housing Policy (3.0 cr)
DHA 5467W - Housing and the Social Environment, WI (4.0 cr)
DHA 5468 - Housing in a Global Perspective, IP (3.0 cr)
or DHA 5484 - Rural Housing Issues (3.0 cr)
DHA 5481 - Housing for the Elderly and Special Populations (3.0 cr)
DHA 5482 - Our Home, Our Environment (3.0 cr)
or ESPM 3601 - Our Home, Our Environment (3.0 cr)
APEC 1101 - Principles of Microeconomics, SSCI (3.0 cr)
or APEC 1102 - Principles of Macroeconomics, IP, SSCI (3.0 cr)
or ECON 1101 - Principles of Microeconomics, IP, SSCI (4.0 cr)
or ECON 1102 - Principles of Macroeconomics, IP, SSCI (4.0 cr)
or ECON 3701 - Money and Banking (3.0 cr)
or ECON 3801 - Elements of Public Economics (3.0 cr)
FSOS 3101 - Personal and Family Finances (3.0 cr)
or FSOS 3102 - Family Systems and Diversity, CD, SSCI (3.0 cr)
GEOG 3371W - Cities, Citizens, and Communities, CD, SSCI, WI (4.0 cr)
or GEOG 3605W - Geographical Perspectives on Planning, C/PE, IP, WI (4.0 cr)
or GEOG 5372W - American Cities II: Land Use, Transportation, and the Urban Economy, WI (4.0 cr)
or PA 4200 - Urban and Regional Planning (3.0 cr)
EPSY 3264 - Basic and Applied Statistics, MATH (3.0 cr)
or PSTL 1004 - Statistics, MATH (4.0 cr)
or OMS 2550 - Business Statistics: Data Sources, Presentation, and Analysis (4.0 cr)
or PSY 4801 - Introduction to Statistics (4.0 cr)
or STAT 1001 - Introduction to the Ideas of Statistics, MATH (4.0 cr)
or STAT 3011 - Introduction to Statistical Analysis, MATH (4.0 cr)
APEC 5581 - Human Capital and Household Economics (3.0 cr)
ARCH 5645 - Real Estate Development in Architecture (3.0 cr)
DHA 4465 - Housing in a Global Perspective, IP (3.0 cr)
DHA 4482 - Our Home, Our Environment (3.0 cr)
DHA 5471 - Housing Studies Certificate Seminar (2.0 cr)
DHA 5481 - Housing for the Elderly and Special Populations (3.0 cr)
DHA 5484 - Rural Housing Issues (3.0 cr)
FSOS 3102 - Family Systems and Diversity, CD, SSCI (3.0 cr)
GEOG 3361W - Land Use, Landscapes, and the Law, C/PE, ENVT, WI (3.0 cr)
GEOG 3371W - Cities, Citizens, and Communities, CD, SSCI, WI (4.0 cr)
GEOG 3373S - Changing Form of the City, HP, IP (3.0 cr)
GEOG 3605W - Geographical Perspectives on Planning, C/PE, IP, WI (4.0 cr)
GEOG 5361 - Geography and Real Estate (4.0 cr)
PA 5002 - Introduction to Policy Analysis (1.5 cr)
PA 5004 - Introduction to Planning (3.0 cr)
PA 5013 - Law and Urban Land Use (1.5 cr)
PA 5212 - Managing Urban Growth and Change (3.0 cr)
POL 1001 - American Democracy in a Changing World, C/PE, SSCI (4.0 cr)
RHET 4573W - Writing Proposals and Grant Management, WI (3.0 cr)
RHET 4528 - Information-Gathering Techniques in Scientific and Technical Communication (3.0 cr)
SOC 1001 - Introduction to Sociology, CD, SSCI (4.0 cr)
SOC 3201 - Inequality: Introduction to Stratification (3.0 cr)
SOC 3211W - American Race Relations, CD, SSCI, WI (3.0 cr)
SOC 3451W - Cities and Social Change, SSCI, WI (3.0 cr)
PA 4200 - Urban and Regional Planning (3.0 cr)
URBS 1001W - Introduction to Urban Studies: The Complexity of Metropolitan Life, C/PE, WI (3.0 cr)
URBS 3301W - Urban Studies: Cultures of Metropolitan Life, WI (3.0 cr)
URBS 3301W - American Cities As Settings for Cultural Diversity, CD, WI (3.0 cr)
URBS 3751W - Understanding the Urban Environment, ENVT (3.0 cr)
URBS 5101W - The City and the Metropolis: An Exploration (3.0 cr)
GEOG 3371W - American Cities I: Population and Housing, WI (4.0 cr)
or PA 4200W - American Cities I: Population and Housing, WI (4.0 cr)
or GEOG 3572W - American Cities I: Population and Housing, WI (4.0 cr)
or GEOG 4572W - American Cities I: Land Use, Transportation, and the Urban Economy, WI (4.0 cr)
or PA 5202W - American Cities I: Land Use, Transportation, and the Urban Economy (4.0 cr)

Housing Technology
Courses in design, technology, architecture, and environmental studies prepare students to work in housing construction, renovation, and development firms; energy and housing inspection programs; and historic preservation organizations. Students must complete at least 20 credits for the concentration.

Required Courses

Course Title
APEC 5581 - Human Capital and Household Economics (3.0 cr)
ARCH 5645 - Real Estate Development in Architecture (3.0 cr)
DHA 4465 - Housing in a Global Perspective, IP (3.0 cr)
DHA 4482 - Our Home, Our Environment (3.0 cr)
DHA 5471 - Housing Studies Certificate Seminar (2.0 cr)
DHA 5481 - Housing for the Elderly and Special Populations (3.0 cr)
DHA 5484 - Rural Housing Issues (3.0 cr)
FSOS 3102 - Family Systems and Diversity, CD, SSCI (3.0 cr)
GEOG 3361W - Land Use, Landscapes, and the Law, C/PE, ENVT, WI (3.0 cr)
GEOG 3371W - Cities, Citizens, and Communities, CD, SSCI, WI (4.0 cr)
GEOG 3373S - Changing Form of the City, HP, IP (3.0 cr)
GEOG 3605W - Geographical Perspectives on Planning, C/PE, IP, WI (4.0 cr)
GEOG 5361 - Geography and Real Estate (4.0 cr)
PA 5002 - Introduction to Policy Analysis (1.5 cr)
PA 5004 - Introduction to Planning (3.0 cr)
PA 5013 - Law and Urban Land Use (1.5 cr)
PA 5212 - Managing Urban Growth and Change (3.0 cr)
POL 1001 - American Democracy in a Changing World, C/PE, SSCI (4.0 cr)
RHET 4573W - Writing Proposals and Grant Management, WI (3.0 cr)
RHET 4528 - Information-Gathering Techniques in Scientific and Technical Communication (3.0 cr)
SOC 1001 - Introduction to Sociology, CD, SSCI (4.0 cr)
SOC 3201 - Inequality: Introduction to Stratification (3.0 cr)
SOC 3211W - American Race Relations, CD, SSCI, WI (3.0 cr)
SOC 3451W - Cities and Social Change, SSCI, WI (3.0 cr)
PA 4200 - Urban and Regional Planning (3.0 cr)
URBS 1001W - Introduction to Urban Studies: The Complexity of Metropolitan Life, C/PE, WI (3.0 cr)
URBS 3301W - Urban Studies: Cultures of Metropolitan Life, WI (3.0 cr)
URBS 3751W - Understanding the Urban Environment, ENVT (3.0 cr)
URBS 5101W - The City and the Metropolis: An Exploration (3.0 cr)
GEOG 3371W - American Cities I: Population and Housing, WI (4.0 cr)
or PA 4200W - American Cities I: Population and Housing, WI (4.0 cr)
or GEOG 3572W - American Cities I: Population and Housing, WI (4.0 cr)
or GEOG 4572W - American Cities I: Land Use, Transportation, and the Urban Economy, WI (4.0 cr)
or PA 5202W - American Cities I: Land Use, Transportation, and the Urban Economy (4.0 cr)

Program Sub-plans
Students are required to complete one of the following sub-plans. (Note: The honors sub-plan does not meet this requirement.) Honors students are required to complete one sub-plan plus the honors sub-plan.

Community Development and Policy
Courses in planning, geography, political science, and urban studies prepare students to work with housing and redevelopment authorities, city or regional planning departments, and nonprofit organizations in policy making, planning, and housing development.

DHA 5469 and 17 credits from a variety of courses are required.

Required Courses

Course Title
APEC 5581 - Human Capital and Household Economics (3.0 cr)
ARCH 3412 - Architectural History since 1750, HP, IP (3.0 cr)
ARCH 5671 - Historic Preservation (3.0 cr)
ARCH 5672 - Historic Building Conservation (3.0 cr)
ARCH 5673 - Historic Building Research and Documentation (3.0 cr)
ARTH 5546 - American Architecture: 1840 to 1914 (3.0 cr)
BP 4416 - Building Testing and Diagnostics (2.0 cr)
CE 4101W - Project Management, WI (3.0 cr)
DHA 1601 - Interior Design Studio I (4.0 cr)
DHA 1602 - Interior Design Studio II (4.0 cr)
DHA 2612 - Interior Materials and Specifications (4.0 cr)
DHA 2613 - Lighting Design and Life Safety Issues (4.0 cr)
DHA 2621 - Computer Aided Design: Interior Design (4.0 cr)
DHA 4465 - Housing in a Global Perspective, IP (3.0 cr)
Take 17 or more credit(s) from the following:
DHA 3482 - Our Home, Our Environment (3.0 cr)
DHA 5469 - Understanding Housing: Assessment and Analysis (3.0 cr)
DHA 5481 - Housing for the Elderly and Special Populations (3.0 cr)
DHA 5484 - Rural Housing Issues (3.0 cr)

Management/Finance
Courses in economics and business prepare students to work in public and private housing management, state finance agencies, commercial banks, and mortgage and title companies.

Students must complete at least 20 credits for the concentration.

Required Courses
Management and Finance Concentration
Courses listed below are suggested, but not inclusive. Students should consult with an adviser for other appropriate courses. Concentration courses must be primarily upper division and must be taken A-F. A minimum grade of C- is required. Note: a course may be used only once to satisfy program requirements.

Take 20 or more credit(s) from the following:
APEC 3001 - Applied Microeconomics: Consumers, Producers, and Markets, SSCI (4.0 cr)
APEC 3002 - Applied Microeconomics: Managerial Economics (4.0 cr)
APEC 3006 - Applied Macroeconomics: Government and the Economy (3.0 cr)
APEC 5341 - Public Finance (3.0 cr)
APEC 5581 - Human Capital and Household Economics (3.0 cr)
ARCH 5645 - Real Estate Development in Architecture (3.0 cr)
BLAW 3058 - The Law of Contracts and Agency (4.0 cr)
DHA 4465 - Housing in a Global Perspective, WI (3.0 cr)
DHA 5482 - Our Home, Our Environment (3.0 cr)
DHA 5489 - Understanding Housing: Assessment and Analysis (3.0 cr)
DHA 5481 - Housing for the Elderly and Special Populations (3.0 cr)
DHA 5484 - Rural Housing Issues (3.0 cr)
ECON 3001 - Finance Fundamentals (3.0 cr)
ECON 3701 - Money and Banking (3.0 cr)
ECON 3801 - Elements of Public Economics (3.0 cr)
FINA 3001 - Finance Fundamentals (3.0 cr)
FINA 4241 - Corporate Financing Decisions (4.0 cr)
GEOG 5361 - Geography and Real Estate (4.0 cr)
MGMT 3001 - Fundamentals of Management (3.0 cr)
MGMT 4002 - Managerial Psychology (4.0 cr)
MKTG 3001 - Principles of Marketing (3.0 cr)
MKTG 3010 - Marketing Research (4.0 cr)
MKTG 4040 - Buyer Behavior (4.0 cr)
RHET 3266 - Group Process, Team Building, and Leadership, C/PE (3.0 cr)
RHET 4165 - Managerial and Organizational Communication, Planning, and Change (3.0 cr)
RHET 4573W - Writing Proposals and Grant Management, WI (3.0 cr)
ECON 1101 - Principles of Microeconomics, SSCI (3.0 cr)
ECON 1101 - Principles of Microeconomics, IP, SSCI (4.0 cr)
ECON 1102 - Principles of Macroeconomics, IP, SSCI (3.0 cr)
ECON 1102 - Principles of Macroeconomics, IP, SSCI (4.0 cr)
APEC 1102 - Principles of Macroeconomics, IP, SSCI (3.0 cr)
APEC 1102 - Principles of Macroeconomics, IP, SSCI (4.0 cr)
APEC 1251 - Principles of Accounting (3.0 cr)
ACCT 2050 - Introduction to Financial Reporting (4.0 cr)

Selected Populations
Courses (or a minor) in areas such as sociology, social work, gerontology, women’s studies, African-American and African studies, American Indian studies, or Chicano studies prepare students to work in housing-related programs involving human relations, advocacy, and affirmative action or to work in housing programs for low-income families and for the elderly or disabled.

An area of concentration in selected populations may be fulfilled in two ways. Students are required to complete one of the following course groups.

Option One
Complete an appropriate minor along with additional credits in supporting courses. Under option one, a concentration can be done in such minors as African-American and African studies, American Indian studies, Chicano studies, global studies, Latin American studies, women’s studies, or youth studies. For admission procedures and minor requirements, contact the department offering the minor. Minor coursework to total 20 credits

Option Two
Concentrate on one or more special populations for which no specific undergraduate minor is offered. Choose courses from selected populations: the elderly; or selected populations: low income, minority, and households with children.

Selected Populations: the elderly
Take 20 or more credit(s) from the following:
DHA 5481 - Housing for the Elderly and Special Populations (3.0 cr)
DHA 5484 - Rural Housing Issues (3.0 cr)
FSOS 4154W - Families and Aging, WI (3.0 cr)
GERO 5105 - Multidisciplinary Perspectives on Aging (3.0 cr)
KIN 5385 - Exercise for Disease Prevention and Management (3.0 cr)
PA 5412 - Aging and Disability Policy (3.0 cr)
PSY 5138 - Psychology of Aging (3.0 cr)
PUBH 5001 - Personal and Community Health (2.0 cr)
PUBH 6904 - Nutrition: Adults and the Elderly (2.0 cr)
RHET 4573W - Writing Proposals and Grant Management, WI (3.0 cr)
RHET 4258 - Information-Gathering Techniques in Scientific and Technical Communication (3.0 cr)
SW 2001 - Introduction to Social Welfare and Community Services, C/PE (4.0 cr)
SW 5313 - Social Work with Older Adults (2.0 cr)
WOST 4201 - The Older Woman: A Feminist Perspective (3.0 cr)

Selected Populations: low income, minority, and households with children
Take 20 or more credit(s) from the following:
CPYS 2301 - Introductory Child Psychology, SSCI (4.0 cr)
DHA 5469 - Understanding Housing: Assessment and Analysis (3.0 cr)
DHA 5484 - Rural Housing Issues (3.0 cr)
FSOS 3101 - Personal and Family Finances (3.0 cr)
FSOS 3102 - Family Systems and Diversity, CD, SSCI (3.0 cr)
FSOS 3426 - Alcohol and Drugs: Families and Culture, CD, SSCI (3.0 cr)
FSOS 4106 - Family Resource Management (3.0 cr)
FSOS 4153 - Family Financial Counseling (3.0 cr)
FSOS 4156 - Legal-Economic Controversies in Families (3.0 cr)
GEOG 3375 - Minority Settlement in America, CD (3.0 cr)
GEOG 5371W - American Cities I: Population and Housing, WI (4.0 cr)
PA 5401 - Poverty, Inequality, and Public Policy (3.0 cr)
PA 5411 - Child Welfare Policy (3.0 cr)
PA 5421 - Racial Inequality and Public Policy (3.0 cr)
POL 1001 - American Democracy in a Changing World, C/PE, SSCI (4.0 cr)
POL 3051 - Power and Choice: Who Gets What, When, and Why, C/PE, SSCI (3.0 cr)
PUBH 3001 - Personal and Community Health (2.0 cr)
PUBH 3003 - Fundamentals of Alcohol and Drug Abuse (2.0 cr)
RHET 4573W - Writing Proposals and Grant Management, WI (3.0 cr)
RHET 4258 - Information-Gathering Techniques in Scientific and Technical Communication (3.0 cr)
SOC 1001 - Introduction to Sociology, CD, SSCI (4.0 cr)
College of Design

**Housing Studies Minor**

Required credits in this minor: 15.

See major description for more information.

**Admission Requirements**

For information about University of Minnesota admission requirements, visit [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu).

**General Requirements**

**Required Courses**

**Minor Courses**

- DHA 2401 - Introduction to Housing (3.0 cr)
- DHA 2463 - Housing and Community Development, C/PE (3.0 cr)

**Take 3 or more course(s) from the following:**

- DHA 4461 - Housing Development and Management (3.0 cr)
- DHA 4465 - Housing in a Global Perspective, IP (3.0 cr)
- DHA 3482 - Our Home, Our Environment (3.0 cr)
- DHA 5463 - Housing Policy (3.0 cr)
- DHA 5467W - Housing and the Social Environment, WI (4.0 cr)
- DHA 5469 - Understanding Housing: Assessment and Analysis (3.0 cr)
- DHA 5481 - Housing for the Elderly and Special Populations (3.0 cr)
- DHA 5484 - Rural Housing Issues (3.0 cr)

**Interior Design B.S.**

**Design, Housing & Apparel**

Requirements for this program are current for Fall 2006.

Required credits to graduate with this degree: 125.

Required credits within the major: 95.

This program requires summer terms.

Degree: Bachelor of Science.

Interior design is a professional program accredited by the Council for Interior Design Accreditation (CIDA). Its focus is on providing for human welfare by improving the quality of life and protecting human health and safety through design of the interior environment. Students study fundamentals, theory, process, communication, research, and technology to identify and solve problems related to people and their use of interior space. They analyze human behavior to determine clients’ functional, aesthetic, social, and psychological needs, which prepares them to solve interior design problems. They design various types of interiors such as hospitals, offices, schools, residences, restaurants, hotels, and entertainment facilities. To do this, students acquire

- a foundation in basic design;
- understanding of the relationship between individuals and their environments;
- understanding of the contextual relationship of the site, the building, and its systems to the interior;
- knowledge of regulations that govern their practice of interior design;
- the ability to research users’ needs and apply their findings to problem identification and solution;
- understanding of historical precedent and contemporary design theories;
- technical knowledge and communication skills;
- understanding of business issues and professional ethics; and
- a sense of responsibility to society, especially in the use of resources.

**Admission Requirements**

Students must complete seven courses before admission to the program. Freshmen and transfer students are usually admitted to pre-major status before admission to this major.

A GPA above 2.00 is preferred for the following:

- 2.50 for students already admitted to the degree-granting college.
- 2.50 for students transferring from another University of Minnesota college.
- 2.50 for students transferring from outside the University.

Admission to the pre-major status is done by a competitive holistic review. Students must maintain a GPA of 2.50 during pre-major coursework. In addition, students must receive a minimum grade of C- or better in the required pre-major courses before going through portfolio review (not just a 2.50 GPA). Once students have achieved major status, they must maintain a GPA of 2.00.

For information about University of Minnesota admission requirements, visit [http://admissions.tc.umn.edu](http://admissions.tc.umn.edu).

**Required Courses for Admission**

**Pre-Interior Design Courses**

Students must complete freshman composition and at least one additional liberal education course in addition to the required coursework below to be admitted to major status in the interior design program.

**Note:** Students must be admitted to a pre-major status to take most of these courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHA 1101W - Introduction to Design Thinking, OH, WI</td>
<td>4.0 cr</td>
<td></td>
</tr>
<tr>
<td>DHA 1311 - Foundations: Drawing and Design in Two and Three Dimensions</td>
<td>4.0 cr</td>
<td></td>
</tr>
<tr>
<td>DHA 1512 - Foundations: Color and Design in Two and Three Dimensions</td>
<td>4.0 cr</td>
<td></td>
</tr>
<tr>
<td>DHA 1601 - Interior Design Studio 1</td>
<td>4.0 cr</td>
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<tr>
<td>DHA 1602 - Interior Design Studio II</td>
<td>4.0 cr</td>
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</tr>
</tbody>
</table>

**General Requirements**

Recommended freshman writing course(s) for this program:

**RHET 1101.**

**Program Requirements**

Students must complete a 400-hour internship (DHA 4196) after completing DHA 3606 and DHA 3614.

**Required Courses**

**Architectural History Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 3411 - Architectural History to 1750</td>
<td>3.0 cr</td>
<td></td>
</tr>
<tr>
<td>ARCH 3412 - Architectural History since 1750</td>
<td>3.0 cr</td>
<td></td>
</tr>
</tbody>
</table>
Retail Merchandising B.S.

Design, Housing & Apparel

Requirements for this program are current for Fall 2006.

Required credits to graduate with this degree: 120.

Required credits within the major: 89 to 94.

Degree: Bachelor of Science.

The retail merchandising program offers a wide range of educational and career opportunities, including visits to international retailers, travel to foreign and domestic retail centers, and professional experiences such as study abroad and internships with national and international retailers. Program graduates begin their careers in store or corporate environments. Entry-level positions include merchandising, marketing, product development, distribution, store management, buying, advertising, sales promotion, and human resources.

Admission Requirements

For information about University of Minnesota admission requirements, visit http://admissions.tc.umn.edu.

General Requirements

Recommended freshman writing course(s) for this program: RHET 1101.
General Requirements

Required Courses

Minor Courses
DHA 1201 - Clothing Design, Merchandising, and the Consumer, C/PE (3.0 cr)
DHA 3242 - Retail Buying (3.0 cr)

*Take 3 or more course(s) from the following:
DHA 3243 - Visual Merchandising (3.0 cr)
DHA 3245 - Multichannel Retailing (3.0 cr)
DHA 4217 - International Developments in Textiles and Apparel, IP (3.0 cr)
DHA 4247 - Advanced Buying and Sourcing (3.0 cr)
DHA 5216 - Retail Promotion and Consumer Decision Making (4.0 cr)