Objectives of the Curricula in Design

The College of Design is among a small number of comprehensive design schools offering outstanding opportunities for both disciplinary and interdisciplinary education.

The College of Design strives to provide each student with a broad educational background and preparation in a specific design or art discipline. Each program is designed to develop knowledge and appreciation of the physical and cultural environment, to stimulate creative thinking and analysis, and to prepare students for participation in a wide variety of careers.

The college’s programs also encompass many opportunities for individualized study and extracurricular activities such as visiting lectures and symposia, workshops, gallery exhibits, practicum and internship programs, field trips, and international study programs.

Graduates of the college are employed in private firms, government, industry, and education, or are self-employed as designers or artists. Opportunities for graduates include careers as architects, landscape architects, community and regional planners, graphic designers, industrial designers, interior designers, studio artists, arts administrators and environmental designers.

Organization of Curricula

All undergraduate programs in the College of Design share a common foundation curriculum, the Core Design Program, followed by degree-specific curricula. The Core Design Program grounds the undergraduate degree programs and provides a rich, rigorous, inclusive base for the college’s professional and non-professional programs. It creates a shared language, experience, and community for programs, faculty, and students and exposes students to all design disciplines, allowing them to make more informed degree choices, apply to multiple degree programs, and experiment with interdisciplinary work.

The intense, discipline-specific professional curricula that follow the Core Design Program focus on developing students’ ability and knowledge in their major. Within the major area, students advance creative and professional skills through classroom and studio work, critiques of student projects, discussion with professional practitioners, and field studies.

General education, contained in both the Core Design Program and the degree programs, is composed to ensure that students receive a well-rounded undergraduate education.

High School Preparation

Courses in fine arts and design that develop visualization and freehand drawing abilities are highly recommended, though not required for entrance. Students planning to enroll in an academic program in the College of Design must complete the following high school requirements:

- 4 years of English, including coursework in composition and literature and up to 1 year of speech and/or journalism, to develop communication skills and critical reading/writing ability.
- 3 years of mathematics to develop problem-solving skills, including 1 year each of algebra, geometry, and advanced algebra.
- 3 years of science, including at least two of the following:
  - 1 year of biology, 1 year of chemistry, or 1 year of physics
- 2 years of social studies, including at least 1 year of U.S. history and 1 semester of U.S. government

Admission Standards to Enrollment-Managed Professional Programs

Admission into the enrollment-managed professional programs of Architecture, Graphic Design, Industrial Design, Integrated Studio Arts, Interior Design, and Landscape Architecture requires a separate application after completing the Core Design Program.

Students may apply directly to the professional program in Community and Regional Planning and to the programs in Art and Design and Interdisciplinary Design. Transfer students from two-year institutions also may apply to these three programs.

Advising

Each student receives personal assistance from an academic advisor within the student’s curriculum area. Students enrolled in the college’s Core Design Program are advised by professional advisors. Once admitted to professional programs, students are assigned to faculty advisors within the student’s curriculum area. Advisors help students develop a program of study and access pertinent university resources and provide information on career choice.

The college’s career services office works with students to develop their career goals as well as prepare and search for employment.

Honors Program

The College of Design participates in the Honors Program, which provides opportunities for outstanding students to individualize their programs of study. Honors students in the College of Design will work with the Honors Program chair or Honors academic advisor to choose from academic and co-curricular experiences that offer breadth and depth in their learning, as well as opportunities for personal, community, and professional development.
See Honors Program (http://catalog.iastate.edu/interdisciplinaryprograms/honorsprogram/).

**Departments of the College**
- Architecture
- Art and Visual Culture
- Community and Regional Planning
- Graphic Design
- Industrial Design
- Interior Design
- Landscape Architecture

**Requirements in the College of Design**
All students in the College of Design are expected to meet the following requirements.

**Core Design Program**
Cr. Fall/Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSNS 1020</td>
<td>Design Studio I</td>
<td>4</td>
</tr>
<tr>
<td>DSNS 1150</td>
<td>Design Collaborative Seminar *</td>
<td>1</td>
</tr>
<tr>
<td>DSNS 1310</td>
<td>Drawing I</td>
<td>4</td>
</tr>
<tr>
<td>DSNS 1830</td>
<td>Design in Context</td>
<td>3</td>
</tr>
<tr>
<td>Social Science/Humanities Electives **</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Math/Science Electives ***</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Communications</td>
<td></td>
<td>7</td>
</tr>
</tbody>
</table>

* Students enrolled in the Design Exchange Learning Community take DSNS 1100 in place of DSNS 1150.

** General education credits in the Core Design Program may count toward the minimum credits.

*** Students who intend to apply to the Architecture program are strongly advised to take MATH 1450 Applied Trigonometry and PHYS 1310 General Physics I, PHYS 1310L General Physics I Laboratory during their Core year. While these specific courses are not required to apply to the program, they are required to advance in the B.Arch. program beyond the first semester.

Students who intend to apply to the Industrial Design program are advised to take PHYS 1010 Physics for the Nonscientist Physics for the Nonscientist, ECON 1010 Principles of Microeconomics Principles of Microeconomics, and a math course during their Core year.

**General Education**

**International Perspective:** 3 cr.
**U.S. Diversity:** 3 cr.
**Communications:** 7 cr.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1500</td>
<td>Critical Thinking and Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2500</td>
<td>Written, Oral, Visual, and Electronic Composition</td>
<td>3</td>
</tr>
<tr>
<td>LIB 1600</td>
<td>Introduction to College Level Research</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Credits 7

According to the university-wide Communication Proficiency Grade Requirement, students must demonstrate their communication proficiency by earning a grade of C or better in ENGL 1500 and 2500 (or ENGL 2500H).

**Mathematics, physical sciences, and biological sciences 6 cr.**
Includes courses in the fields of agronomy, astronomy and astrophysics, biology, chemistry, civil engineering, computer science, geology, mathematics, physics, and statistics.

**Humanities: 6 cr.**
Includes courses in the fields of classical studies, English (literature), foreign languages, history, philosophy, religious studies, as well as history/theory/literature courses in dance, music, theater, journalism, African American studies, American Indian studies, environmental studies, Latino/a studies, women's studies, and university studies.

**Social Sciences: 6 cr.**
Includes courses in the fields of African American studies, American Indian studies, anthropology, economics, environmental studies, geography, human development and family studies, Latino/a studies, psychology and sociology, women's studies, and university studies.

**General Education Electives: 9 cr.**
9 cr. from any of the above areas, 6 cr. of course level 3000-4000.

**Undergraduate Programs**

**Majors**
- Art and Design (http://catalog.iastate.edu/collegeofdesign/artanddesign/#text)
- Architecture (http://catalog.iastate.edu/collegeofdesign/architecture/)
- Community and Regional Planning (http://catalog.iastate.edu/collegeofdesign/communityandregionalplanning/#curriculumincommunityandregionalplanning)
- Graphic Design (http://catalog.iastate.edu/collegeofdesign/graphicdesign/)
- Industrial Design (http://catalog.iastate.edu/collegeofdesign/industrialdesign/)
- Integrated Studio Arts (http://catalog.iastate.edu/collegeofdesign/integratedstudioarts/)
- Interior Design (http://catalog.iastate.edu/collegeofdesign/interiordesign/)
- Landscape Architecture (http://catalog.iastate.edu/collegeofdesign/landscapearchitecture/#curriculuminlandscapearchitecture)
• Biological/Pre-Medical Illustration (BPM I)* (http://catalog.iastate.edu/collegeofliberalartsandsciences/biopremedillustration/#undergraduatetext)

*The College of Design participates in this interdepartmental major.

Secondary Majors
• Environmental Studies** (http://catalog.iastate.edu/collegeofliberalartsandsciences/environmentalstudies/#undergraduatetext)
• Interdisciplinary Design (http://catalog.iastate.edu/collegeofdesign/design/)
• International Studies** (http://catalog.iastate.edu/collegeofliberalartsandsciences/internationalstudies/#minor)

Minors
• Critical Studies in Design
• Design Studies
• Digital Media
• Entrepreneurial Studies (http://catalog.iastate.edu/interdisciplinaryprograms/entrepreneurship/#text)**
• Environmental Studies** (http://catalog.iastate.edu/collegeofliberalartsandsciences/environmentalstudies/#minortext)
• Geographic Information Science**
• Gerontology** (http://catalog.iastate.edu/collegeofhumansciences/gerontology/)
• Illustration
• International Studies** (http://catalog.iastate.edu/collegeofliberalartsandsciences/internationalstudies/#undergraduateminortext)
• Preservation and Cultural Heritage
• Sustainability** (http://catalog.iastate.edu/interdisciplinaryprograms/sustainability/)
• Textile Design**
• Urban Studies**

**The College of Design participates in these interdepartmental secondary majors and minors.

Minors in Design
The College of Design offers or participates in the following undergraduate minors:
• Critical Studies in Design
• Design Studies
• Digital Media
• Entrepreneurship (http://catalog.iastate.edu/interdisciplinaryprograms/entrepreneurship/#text)

• Geographic Information Science (GISC)
• Illustration
• Preservation and Cultural Heritage
• Textile Design
• Urban Studies

Critical Studies in Design
The undergraduate minor in Critical Studies in Design offers students opportunities to engage the history, theory and criticism of visual and material culture and the built environment. In lectures and focused seminars, students explore:
• Historical and contemporary issues
• Cultural production
• Media and technology
• Design in everyday life
• Models of professional practice

Open to undergraduates in all university majors, this minor requires 15 credits of coursework. At least 6 of the 15 credits must be taken at Iowa State University in courses numbered 3000 or above. At least 9 of the 15 credits must not be used to meet any other department, college or university requirements except the credit requirement for graduation.

Requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 2920</td>
<td>Introduction to Visual Culture Studies</td>
<td>3</td>
</tr>
<tr>
<td>DSNS 1830</td>
<td>Design in Context</td>
<td>3</td>
</tr>
<tr>
<td>or ARCH 2200</td>
<td>Contemporary Architecture</td>
<td></td>
</tr>
<tr>
<td>or ARCH 2210</td>
<td>Histories and Theories of Architecture to 1750</td>
<td></td>
</tr>
<tr>
<td>or ARTH 2800</td>
<td>History of Art I</td>
<td></td>
</tr>
<tr>
<td>or ARTH 2810</td>
<td>History of Art II</td>
<td></td>
</tr>
<tr>
<td>or CRP 2910</td>
<td>World Cities and Globalization</td>
<td></td>
</tr>
<tr>
<td>or CRP 2930</td>
<td>Environmental Planning</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

**The College of Design participates in these interdepartmental secondary majors and minors.

Design Studies
The undergraduate minor in Design Studies is constructed to facilitate design awareness among interested students and to provide a vehicle for interdisciplinary study within the College of Design. This minor is open to all undergraduate students at Iowa State University.

This minor requires 15 credits of course work: three (3) credits selected from College of Design history/theory course offerings (DSNS 1830 will not meet this requirement) and additional 12 credits selected from any College of Design course offerings*.

At least 6 of the 15 credits must be taken at Iowa State University in courses numbered 3000 or above. At least 9 of the 15 credits must not
be used to meet any other department, college or university requirements except the credit requirement for graduation.

Students enrolled in the College of Design may not use courses required in their major degree programs or in the Core Design Program to satisfy this minor.

* The following courses cannot be used to meet the requirements for the Design Studies Minor: DSNS 1100, 1110, 1150, 3010, 3730, 3970, 4920.

**Digital Media**

Manipulation of digital media has emerged as an essential skill for design inquiry alongside traditional methods of building models and drawing sketches. To familiarize students with the use of digital media in the design process, the College of Design offers an undergraduate Minor in Digital Media. This minor is open to all undergraduate students at Iowa State University.

This minor requires 15 credits of coursework. At least three (3) credits of fundamental courses at the 2000 level must be taken in the student's primary major (see list below). At least 9 of the 15 credits must be taken at Iowa State University in courses numbered 3000 or above and may not be used to meet any other department, college, or university requirement.

**Fundamental Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 2300</td>
<td>Design Communications I (for Architecture majors)</td>
<td>3</td>
</tr>
<tr>
<td>ARTGR 2750</td>
<td>Graphic Technology I (prereq: ARTGR 2700; for Graphic Design majors)</td>
<td>3</td>
</tr>
<tr>
<td>ARTGR 2760</td>
<td>Graphic Technology II (for Graphic Design majors)</td>
<td>3</td>
</tr>
<tr>
<td>ARTID 2630</td>
<td>Graphic Communication for Interior Design II (prereq: ARTID 2610; for Interior Design majors)</td>
<td>3</td>
</tr>
<tr>
<td>ARTIS 2120</td>
<td>Studio Fundamentals: Digital Media (for Integrated Studio Arts and all majors)</td>
<td>3</td>
</tr>
<tr>
<td>ARTIS 2270</td>
<td>Introduction to Creative Digital Photography (for Integrated Studio Arts majors)</td>
<td>3</td>
</tr>
<tr>
<td>CRP 2510</td>
<td>Fundamentals of Geographic Information Systems (for non-design majors)</td>
<td>3</td>
</tr>
<tr>
<td>DSNS 2320</td>
<td>Digital Design Communications (for non-design majors)</td>
<td>3</td>
</tr>
<tr>
<td>LA 2110</td>
<td>Digital Design Methods for Landscape Architecture (for Landscape Architecture and all majors)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Entrepreneurial Studies**

The College of Design is an active participant in the Entrepreneurial Studies Minor (http://catalog.iastate.edu/interdisciplinaryprograms/entrepreneurship/#text) for undergraduate students.

**Geographic Information Science (GISC)**

The undergraduate minor in Geographic Information Science (GISC) is an interdisciplinary program that provides students with opportunities to engage the theory, processes, techniques and tools that use spatial data and computational technology to create cutting-edge analysis and mapping approaches for a wide range of fields, such as urban planning, architecture, landscape architecture, design, community development, agriculture, environmental sciences, natural resources, sociology, criminology, anthropology, political science, environmental studies and others.

The minor is open to undergraduates in all university majors with a minimum overall GPA of 2.0 prior to enrolling.

Students must complete a minimum of 15 undergraduate credits of GIS coursework to receive the minor. At least 6 of the 15 credits must be taken at Iowa State University in courses numbered 3000 or above with a grade of C or higher. At least 9 of the 15 credits must not be used to meet any other department, college or university requirements except the credit requirement for graduation.

**Requirements:**

- **Foundations of GIS** - complete the following 2 courses: 6
  - CRP 2510 Fundamentals of Geographic Information Systems
  - CRP 3510 Intermediate Geographic Information Systems

- **GIS Tools and Techniques** - choose 3 courses from the following: 9
  - ABE 4370 Watershed Modeling and Policy
  - CRP 4490 Geodesign: Planning for Sustainable Futures
  - CRP 4520 Geographic Data Management and Planning Analysis
  - CRP 4540 Fundamentals of Remote Sensing and Spatial Analysis
  - CRP 4560 GIS Programming and Automation
  - CRP 4570 Geogames for Civic Engagement
  - GEOL 4520 Intro GIS for Geoscientists
  - GEOL 4680 Applied Geostatistics for Geoscientists
  - GEOL 4880 Raster GIS for Geoscientists
  - NREM 3450 Natural Resource Photogrammetry and Geographic Information Systems
  - NREM 4460 Integrating GPS and GIS for Natural Resource Management

**Total Credits** 18

**Illustration**

The undergraduate minor in Illustration is ideal for students interested in illustration for books, graphic novels, magazine articles, advertising and concept art for game design and film. This minor provides the ability to tailor a curriculum that serves these varied career interests, whether
you want to work in the industry or freelance as an independent studio practitioner.

Through this minor, students will:

• Develop conceptual skills directed toward communicating narrative content in sequential visual form.
• Demonstrate the ability for critical thinking through visual, verbal and written communication.
• Develop technical skills, working with a range of both traditional and digital media used in the field of illustration.
• Develop an awareness of historical and contemporary illustration.
• Strengthen individual portfolios to position themselves for success in their chosen field after graduation.

Requirements:
Students must complete two prerequisites prior to pursuing the Illustration minor.

Prerequisites:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSNS 1310</td>
<td>Drawing I</td>
<td>4</td>
</tr>
<tr>
<td>ARTIS 2300</td>
<td>Drawing II</td>
<td>3</td>
</tr>
</tbody>
</table>

After completion of the prerequisites, students must complete a minimum of 15 credits of Illustration coursework to receive the minor. At least 9 of the 15 credits must not be used to meet any other department, college or university requirements except the credit requirement for graduation.

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTIS 3300</td>
<td>Drawing III: Life Drawing</td>
<td>6</td>
</tr>
<tr>
<td>ARTIS 4320</td>
<td>Sequential Narrative Drawing</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTGR 4640</td>
<td>Digital Imaging</td>
<td>9</td>
</tr>
<tr>
<td>ARTH 4890</td>
<td>History of Comics</td>
<td></td>
</tr>
<tr>
<td>ARTIS 2330</td>
<td>Watercolor Painting</td>
<td></td>
</tr>
<tr>
<td>ARTIS 3080</td>
<td>Computer Modeling, Rendering and Virtual Photography</td>
<td></td>
</tr>
<tr>
<td>ARTIS 3380</td>
<td>Painting II</td>
<td></td>
</tr>
<tr>
<td>ARTIS 3560</td>
<td>Relief Printmaking: Digital/Traditional</td>
<td></td>
</tr>
<tr>
<td>ARTIS 3570</td>
<td>Intaglio and Monotype Printmaking: Digital / Traditional</td>
<td></td>
</tr>
<tr>
<td>ARTIS 3580</td>
<td>Lithography: Digital / Traditional</td>
<td></td>
</tr>
<tr>
<td>ARTIS 4080</td>
<td>Principles of 3D Animation</td>
<td></td>
</tr>
<tr>
<td>ARTIS 4300</td>
<td>Drawing IV</td>
<td></td>
</tr>
<tr>
<td>ARTIS 4380</td>
<td>Painting III</td>
<td></td>
</tr>
<tr>
<td>ARTIS 4900F</td>
<td>Independent Study: Illustration</td>
<td></td>
</tr>
<tr>
<td>BPMI 3230</td>
<td>Scientific Illustration Principles and Techniques</td>
<td></td>
</tr>
</tbody>
</table>

or ARTIS 3230

BPMI 3260 Illustration and Illustration Software
or ARTIS 3260

BPMI 3270 Illustration as Communication
or ARTIS 3270

BPMI 3370 Application of Scientific Illustration Techniques
or ARTIS 3370

Preservation and Cultural Heritage

The undergraduate minor in Preservation and Cultural Heritage provides students with knowledge, skills, and credentials that complement undergraduate degrees in a wide variety of majors, but especially Architecture, Interior Design, Community & Regional Planning, Landscape Architecture, and History. To these ends, the Minor has two major curricular objectives:

• Provide student with a holistic understanding of historic preservation that draws from the various departments involved, yet allows for the development of expertise within a student’s specific major.

The minor requires a minimum of 15 credit hours. At least six (6) credits need to be taken at the 3000 or above (see list below), and at least 9 of the 15 credits must not be used to meet any other department, college or university requirement except the credit requirement for graduation.

For more information go to https://www.preservation.design.iastate.edu/pch-undergraduate-minor/

For any questions, please send an email to historicplaces@iastate.edu

Preservation & Cultural Heritage Minor Curriculum:
The Minor requirements are divided into three sections (see below). Please choose six (6) credits from Section 1 (Preservation Courses), three (3) credits from Section 2 (General History), and six (6) credits from Section 3 (History and Design of the Built Environment).

Section 1: Preservation Courses (choose two of the following) 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 5670</td>
<td>Preservation, Restoration, Rehabilitation, Cultural Heritage, and Technology</td>
<td></td>
</tr>
<tr>
<td>ARCH 5680</td>
<td>Historic Preservation</td>
<td></td>
</tr>
<tr>
<td>ARTID 5720</td>
<td>Preservation &amp; Cultural Heritage</td>
<td>3</td>
</tr>
<tr>
<td>CRP 5110</td>
<td>Documenting the Historic Built Environment</td>
<td></td>
</tr>
</tbody>
</table>

Section 2: General History (choose one of the following) 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 3830</td>
<td>Greek and Roman Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 3840</td>
<td>Art of Islam</td>
<td></td>
</tr>
<tr>
<td>ARTH 3850</td>
<td>Renaissance Art</td>
<td></td>
</tr>
</tbody>
</table>

Section 3: History and Design of the Built Environment 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTIS 3570</td>
<td>Intaglio and Monotype Printmaking: Digital / Traditional</td>
<td></td>
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<tr>
<td>ARTIS 3580</td>
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<td>Scientific Illustration Principles and Techniques</td>
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</tbody>
</table>

or ARTIS 3230

BPMI 3260 Illustration and Illustration Software
or ARTIS 3260

BPMI 3270 Illustration as Communication
or ARTIS 3270

BPMI 3370 Application of Scientific Illustration Techniques
or ARTIS 3370

Preservation and Cultural Heritage

The undergraduate minor in Preservation and Cultural Heritage provides students with knowledge, skills, and credentials that complement undergraduate degrees in a wide variety of majors, but especially Architecture, Interior Design, Community & Regional Planning, Landscape Architecture, and History. To these ends, the Minor has two major curricular objectives:

• Provide student with a holistic understanding of historic preservation that draws from the various departments involved, yet allows for the development of expertise within a student’s specific major.

The minor requires a minimum of 15 credit hours. At least six (6) credits need to be taken at the 3000 or above (see list below), and at least 9 of the 15 credits must not be used to meet any other department, college or university requirement except the credit requirement for graduation.

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Section 1: Preservation Courses (choose two of the following) 6

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>ARTID 5720</td>
<td>Preservation &amp; Cultural Heritage</td>
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<td>Documenting the Historic Built Environment</td>
<td></td>
</tr>
</tbody>
</table>

Section 2: General History (choose one of the following) 3

<table>
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<tbody>
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<td></td>
</tr>
<tr>
<td>ARTH 3850</td>
<td>Renaissance Art</td>
<td></td>
</tr>
</tbody>
</table>
Textile Design
The undergraduate minor in Textile Design allows students to focus specifically on the design and creation of textiles – a practice with applications in the fine arts, fashion and related fields. Open to undergraduates at the sophomore level and above enrolled in any College of Design major or in the Apparel, Merchandising and Design major in the College of Human Sciences.

Through this minor, students will:
• Learn historical and contemporary applications of textile production.
• Develop conceptual skills in textile media and techniques such as printing, dyeing and weaving for self-expression.
• Develop technical skills in both hand skills and digital tools.
• Demonstrate the ability for critical thinking through visual, verbal and written communications with an emphasis on what it means to be an artist/designer using textile media and techniques.

• Strengthen individual portfolios to position themselves for success in their chosen field after graduation.

Students must complete 16-18 credits of Textile Design coursework to receive the minor. At least 9 of the 15 credits must not be used to meet any other department, college or university requirements except the credit requirement for graduation.

Requirements:
Required Core 6
AMD 2040 Textile Science
ARTIS 2140 Studio Fundamentals: Textiles
History/Theory (choose one of the following) 3
AMD 3620 Global Dress in the Fashion System and Society
ARTH 2800 History of Art I
ARTH 2810 History of Art II
ARTH 2920 Introduction to Visual Culture Studies
Practice (choose two of the following) 6
AMD 1210 Apparel Assembly Processes
AMD 3280T Apparel, Merchandising, and Design Seminar: Fashion Trend Forecasting
or AMD 3280Y Apparel, Merchandising, and Design Seminar: Styling
AMD 4900 Independent Study
ARTIS 2080 Color
ARTIS 3450 Introduction to Weaving
ARTIS 3460 Natural Dyes
ARTIS 3470 Dyed and Printed Textiles
ARTIS 4480 Digital Textile Design
Electives (choose from the following) 3-5
AMD 3540 Euro-American Dress History: Prehistoric to Mid-19th Century
AMD 3560 Euro-American Dress History: Mid-19th Century to the Present
ARTIS 2060 Studio Fundamentals: Printmaking
ARTIS 2130 Studio Fundamentals: Painting
ARTIS 3100 Sources and Methods of Visual Art
ARTH 3820 Art and Architecture of Asia
ARTH 3840 Art of Islam
DSNS 1310 Drawing I

Urban Studies
The undergraduate minor in Urban Studies is an interdisciplinary program that emphasizes urban life in a variety of settings and from different disciplinary and methodological approaches. The Urban Studies minor will allow students to explore varied and multiple dimensions of
urban and community life through differing conceptual and analytical frameworks. Students can pursue interests in:

- Urban history
- Urban design
- Neighborhood revitalization
- Economic development
- Social movements
- Global urbanization

The minor is open to undergraduates in all university majors except Community & Regional Planning.

This minor requires 15 credit hours of coursework. At least 6 of the 15 credits must be taken at Iowa State University in courses numbered 3000 or above. At least 9 of the 15 credits must not be used to meet any other department, college or university requirements except the credit requirement for graduation.

Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRP 2010</td>
<td>The North American Metropolis</td>
<td>3</td>
</tr>
<tr>
<td>CRP 2910</td>
<td>World Cities and Globalization</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Nine (9) credits in three other courses from the approved list**</td>
<td>9</td>
</tr>
</tbody>
</table>

Total Credits 15

**Approved list of elective courses for Urban Studies Minor (https://www.design.iastate.edu/programs-minors/minors/urban-studies/)

Graduate Programs

The College of Design offers graduate study in the areas shown below. Graduate study is conducted through the Graduate College. Details are found in the Graduate College section of this catalog.

Majors

- Architecture (http://catalog.iastate.edu/collegeofdesign/architecture/#curriculuminarchitecture)
- Community and Regional Planning (http://catalog.iastate.edu/collegeofdesign/communityandregionalplanning/#curriculumincommunityandregionalplanning)
- Graphic Design (http://catalog.iastate.edu/collegeofdesign/graphicdesign/)
- Industrial Design (http://catalog.iastate.edu/collegeofdesign/industrialdesign/)
- Integrated Visual Arts (http://catalog.iastate.edu/collegeofdesign/integratedstudioarts/)
- Interior Design (http://catalog.iastate.edu/collegeofdesign/interiordesign/)
- Landscape Architecture (http://catalog.iastate.edu/collegeofdesign/landscapearchitecture/#curriculuminlandscapearchitecture)
- Sustainable Environments* (http://catalog.iastate.edu/collegeofdesign/sustainableenvironments/)
- Transportation* (http://catalog.iastate.edu/interdisciplinaryprograms/transportation/)
- Urban Design* (http://catalog.iastate.edu/collegeofdesign/urbandesign/)

Double Degree Programs

- Architecture / Business Administration
- Architecture / Community and Regional Planning
- Architecture / Sustainable Environments
- Architecture / Urban Design
- Community and Regional Planning / Business Administration
- Community and Regional Planning / Landscape Architecture
- Community and Regional Planning / Sustainable Agriculture
- Community and Regional Planning / Sustainable Environments
- Community and Regional Planning / Urban Design
- Industrial Design / Human Computer Interaction (HCI)
- Integrated Visual Arts / Sustainable Environments
- Landscape Architecture / Sustainable Environments
- Landscape Architecture / Urban Design

Certificates

- Geographic Information Systems (GIS)
- Gerontology*
- Preservation and Cultural Heritage

* The College of Design participates in this interdepartmental graduate program.