

# bs checklist

## bachelor of science - industrial design emphasis

The industrial design emphasis requires 60 credit hours in art and art history courses and a combined 18 credits in electives from ISAT and COB.

### degree requirements

#### Required Courses

- General Education courses 41 credits

The General Education program contains a set of requirements each student must fulfill.

The number of credit hours necessary to fulfill these requirements may vary. Math and GISAT courses may double count in the emphasis.

- Quantitative requirement 3 credits \_\_\_\_\_

In addition to course work taken to fulfill General Education requirement. May be fulfilled by successfully completing GISAT 141.

- Scientific Literacy requirement 3 credits \_\_\_\_\_

In addition to course work taken to fulfill General Education requirement.

Major requirements 78 credits (see below)

Credit total 125 The total credit hours are typically fewer because of the option of double counting several courses with General Education.

## major and emphasis requirements

### foundation courses

#### 18 credits

- ART 102 (formerly 140). Two-Dimensional Design
  - ART 104 (formerly 160). Drawing I
  - ART 106 (formerly 240). Three-Dimensional Design
  - ART 205 (formerly 280). Foundations Seminar
  - GARTH 205. Survey of World Art I: Prehistoric to Renaissance
  - GARTH 206. Survey of World Art II: Renaissance to Modern
- May double-count toward General Education Cluster Two.

### art and design electives

#### 12 credits Choose four from the following.

- ART 200 (formerly 201). Interior Design Studio I
- ART 210 (formerly 348). Animation: 3-D Modeling
- ART 220 (formerly 225). Introductory Ceramics: Potter's Wheel
- ART 240 (formerly 322). Metal and Jewelry
- ART 280 (formerly 335). Sculpture
- INDE 200. Interior Design I
- INDE 202. Interior Design Studio II
- INDE 210 (formerly 221). Architectural Graphics
- INDU 320. CAD II: Digital Design
- INDU 420. CAD III: Digital Design
- INDU 496. Internship in Industrial Design

### art and design requirements

#### 15 credits

- GRPH 200 (formerly 243). Computer Graphics
- INDU 220. CAD I: Digital Design
- INDU 390. Industrial Design Studio (repeat three times)

### art and art-related electives

**9 credits** (200-400 level) Art and art-related electives may include courses from general fine arts, interior design, graphic design and internships, but excludes courses taken to fulfill the studio concentration. Up to six hours in art history may be included.

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Student's Signature \_\_\_\_\_ Date \_\_\_\_\_

Advisor's Signature \_\_\_\_\_ Date \_\_\_\_\_

### art history electives

#### 6 credits (300-400 level) Excludes ARTH 490, ARTH 495 and ARTH 499

- ARTH 303. History of Design (required)

Choose one of the following:

- ARTH 370 (formerly INDE 370). History of Interior Design
- ARTH 372 (formerly 470). Modern Art from 1900-1945
- ARTH 376 (formerly 476). Modern Architecture
- ARTH 472. Modern Art since 1945
- HIST 327. History of Technology in America

### isat electives

#### 15 credits (choose five of the following):

- GISAT 151. Analytical Methods
- May double-count toward General Education Cluster Three.
- ISAT 152. Analytical Methods II
  - ISAT 211. Issues in Modern Production
  - ISAT 311. Role of Energy in Modern Society
  - ISAT 331. Automation in Manufacturing\
  - ISAT 410. Sustainable Energy Development
  - ISAT 411. Energy Economics and Policy
  - ISAT 430. Manufacturing Processes
  - ISAT 431. Materials Science in Manufacturing
  - ISAT 435. Integrated Product and Process Development
  - ISAT 471. Transportation: Energy, Environment and Society
  - ISAT 480. Selected Topics in Integrated Science and Technology

### college of business electives

#### 3 credits (choose one of the following):

- COB 191. Business and Economic Statistics
- COB 218. Legal Environment of Business
- MKTG 380. Principles of Marketing