BFA in Industrial Design (396536) MAP Sheet
Engineering, School of Technology

For students entering the degree program during the 2020-2021 curricular year.
This is a limited enrollment program requiring departmental admissions approval. Please see the School of Technology Advising office in 250 SNLB for information regarding requirements for admission to this major.

University Core and Graduation Requirements

<table>
<thead>
<tr>
<th>Requirements</th>
<th>#Classes</th>
<th>Hours</th>
<th>Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Religion Cornerstones</td>
<td></td>
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<tr>
<td>Teachings and Doctrine of The Book of Mormon</td>
<td>1</td>
<td>2.0</td>
<td>REL A 275</td>
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<tr>
<td>Jesus Christ and the Everlasting Gospel</td>
<td>1</td>
<td>2.0</td>
<td>REL A 250</td>
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<tr>
<td>Foundations of the Restoration</td>
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<td>2.0</td>
<td>REL C 225</td>
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<tr>
<td>The Eternal Family</td>
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<td>2.0</td>
<td>REL C 200</td>
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<tr>
<td>The Individual and Society</td>
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<tr>
<td>American Heritage</td>
<td>1-2</td>
<td>3-6.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Global and Cultural Awareness</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
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<tr>
<td>Skills</td>
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<tr>
<td>First Year Writing</td>
<td>1</td>
<td>3.0</td>
<td>from approved list</td>
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<tr>
<td>Advanced Written and Oral Communications</td>
<td>1</td>
<td>3.0</td>
<td>WRTG 316* or M COM 320*</td>
</tr>
<tr>
<td>Quantitative Reasoning</td>
<td>1</td>
<td>3-4.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Languages of Learning (Math or Language)</td>
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<td>3-4.0</td>
<td>STAT 121 recommended</td>
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<tr>
<td>Arts, Letters, and Sciences</td>
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<tr>
<td>Civilization 1</td>
<td>1</td>
<td>3.0</td>
<td>ARTHC 201*, IHUM 201*</td>
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<tr>
<td>Civilization 2</td>
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<td>ARTHC 202*, IHUM 202*</td>
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<tr>
<td>Arts</td>
<td>1</td>
<td>3.0</td>
<td>INDES 210*</td>
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<tr>
<td>Letters</td>
<td>1</td>
<td>3.0</td>
<td>IHUM 202*</td>
</tr>
<tr>
<td>Biological Science</td>
<td>1</td>
<td>3-4.0</td>
<td>from approved list</td>
</tr>
<tr>
<td>Physical Science</td>
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<td>3.0</td>
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<tr>
<td>Social Science</td>
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<tr>
<td>Core Enrichment: Electives</td>
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<td>6.0</td>
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<tr>
<td>Open Electives</td>
<td>Variable</td>
<td>Variable</td>
<td>personal choice</td>
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</tbody>
</table>

*Suggested Sequence of Courses*

**FRESHMAN YEAR**
1st Semester
First-year Writing or American Heritage | 3.0
Quantitative Reasoning course | 3.0
Religion Cornerstone course | 1.5
INDES 130 | 1.5
INDES 131 | 1.5
INDES 132 | 1.5
Total Hours | 14.0
2nd Semester
First-year Writing or American Heritage | 3.0
Minor / General Elective | 3.0
Physical Science | 3.0
Religion Cornerstone course | 2.0
Languages of Learning | 3.0
Total Hours | 14.0

**SOPHOMORE YEAR**
3rd Semester
Minor / General Elective | 2.0
INDES 210 | 3.0
INDES 230R | 3.0
INDES 231 | 3.0
Religion Cornerstone course | 2.0
Biological Science | 3.0
Total Hours | 16.0
4th Semester
INDES 214R | 3.0
INDES 230R | 3.0
INDES 233 | 3.0
Minor / General Elective | 3.0
Religion cornerstone course | 2.0
Total Hours | 14.0

**JUNIOR YEAR**
5th Semester
Minor / General Elective | 3.0
TECH 112 | 3.0
INDS Technical Elective | 2.0
Religion Elective | 2.0
Total Hours | 14.0
6th Semester
INDES 330R | 3.0
INDES 340 | 3.0
Total Hours | 15.0
Spring/Summer
INDS 399R | 1.0
Total Hours | 1.0

**SENIOR YEAR**
7th Semester
INDES 430R | 4.0
INDES Technical elective | 3.0
INDES Technical elective | 3.0
ARTHC 201 or IHUM 201 | 3.0
Religion Elective | 2.0
Total Hours | 15.0
8th Semester
INDES 439R | 4.0
INDES Technical elective | 3.0
INDES Technical elective | 3.0
Letters | 3.0
Minor / General Elective | 2.0
Total Hours | 15.0

*Must say Art History in title or description to fill requirements for BFA degree.

Note: Students are encouraged to complete an average of 15 credit hours each semester or 30 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.
Complete all 100-level foundation courses.
Complete a portfolio and application for admission into the Professional program.

**REQUIREMENT 1** Complete 4 courses

**CORE REQUIREMENTS:**
- INDES 130 - Visual Literacy 2.0
- INDES 131 - Structured Creativity 2.0
- INDES 132 - Form and Surface Development 2.0
- INDES 133 - Visualization Methods 2.0

**REQUIREMENT 2** Complete 7 courses
- INDES 200 - Prototyping Processes and Materials 2.0
- INDES 210 - Intermediate Computer Applications 3.0
- INDES 214 - Tools, Materials, and Processes for Industrial Design 3.0
- INDES 231 - Presentation Methods for Industrial Design 1 3.0
- INDES 233 - Presentation Methods for Industrial Design 2 3.0
- INDES 340 - Graphics Studies for Industrial Design 1 3.0
- INDES 388 - Professional Practices of the Designer 2.0

**REQUIREMENT 3** Complete 2 courses
- INDES 230R - Second Year Studio 3.0
  You may take this course up to 2 times.

**REQUIREMENT 4** Complete 2 courses
- INDES 330R - Third Year Studio 3.0
  You may take this course up to 2 times.

**REQUIREMENT 5** Complete 1 hour from the following course(s)
- INDES 399R - Professional Internship 3.0v
  You may take up to 1 credit hour.

**Note 1:** Only 1 credit hour of INDES 399R is required, but you may take up to 3 total credit hours.

**REQUIREMENT 6** Complete 2 courses
- INDES 430R - Thesis Studio 4.0
  You may take this course up to 2 times.

**REQUIREMENT 7** Complete 1 course

**COMPLETING THIS REQUIREMENT WITH ENGL 316 OR M COM 320 IS RECOMMENDED.**
- M COM 320 - Communication in Organizational Settings 3.0
- WRGT 311 - Writing About the Arts and Humanities 3.0
- WRGT 312 - Persuasive Writing 3.0
- WRGT 315 - Writing in the Social Sciences 3.0
- WRGT 316 - Technical Communication 3.0

**ART HISTORY REQUIREMENT:**
- INDES 339 - History of Products 3.0

**REQUIREMENT 9** Complete 2 courses

**ART HISTORY REQUIREMENT:**
- *ARTH 201 - World Civilization to 1500 3.0
- *ARTH 202 - World Civilization Since 1500 3.0
- DESGD 349 - History of Graphic Design 3.0
- DESIL 355 - History of American Illustration 1 (1860-1930) 3.0
- DESIL 356 - History of American Illustration 2 (1930-Present) 3.0
- DESPH 379 - History of Photography 3.0
- *IHUM 201 - Western Humanities 1: Antiquity to Renaissance 3.0
- *IHUM 202 - Western Humanities 2: Renaissance to the Present 3.0
- SFL 329 - History of Interior Design and Architecture 2 3.0

**REQUIREMENT 10** Complete 12.0 hours from the following course(s)

**COMPLETE 12.0 HOURS FROM THE SUPPORTIVE, DESIGN-RELATED COURSES AVAILABLE ON CAMPUS. LISTED BELOW ARE PRE-APPROVED COURSE OPTIONS.**

- **ARTH 301** - Women in Art 3.0
- **ARTH 304** - Greek Art 3.0
- **ARTH 306** - Roman Art 3.0
- **ARTH 310** - Early Christian and Byzantine Art 3.0
- **ARTH 316** - Art of the Medieval West 3.0
- **ARTH 320** - Italian Renaissance 3.0
- **ARTH 325** - Northern Renaissance Art 3.0
- **ARTH 329** - Renaissance and Baroque Architecture 3.0
- **ARTH 330** - Southern Baroque Art History: 1600-1700 3.0
- **ARTH 335** - Northern European Art: 1600-1700 3.0
- **ARTH 337** - Eighteenth-Century European Art and Architecture 3.0
- **ARTH 340** - Nineteenth-Century European Art 3.0
- **ARTH 345** - American Art to 1876 3.0
- **ARTH 350** - Modern Art 3.0
- **ARTH 353** - American Art 1876-1950 3.0
- **ARTH 355** - Contemporary Art 3.0
- **ARTH 360** - Introduction to Museum and Curatorial Studies 3.0
- **ARTH 365** - American Architecture 3.0
- **ARTH 367** - Modern Architecture 3.0
- **ARTH 375** - Japanese Art and Architecture 3.0
- **ARTH 379** - History of Photography 3.0
- **ARTH 380** - Northern Mesoamerican Art 3.0
- **ARTH 382** - Southern Mesoamerican Art 3.0

**ENT 431** - Innovation Practicum 3.0
**INDES 300** - Advanced Prototyping Processes and Materials 3.0
**INDES 310** - Advanced Computer Applications 3.0
**INDES 338R** - ID Field Study Seminar 2.0
  You may take this course up to 2 times.
**INDES 341** - Technology Interface Studies for Industrial Design 1 3.0
**INDES 399R** - Professional Internship 3.0v
  You may take up to 3 credit hours.
**INDES 440** - Graphics Studies for Industrial Design 2 3.0
**INDES 495R** - Global Engineering Outreach Projects 3.0v
**IT&C 555** - Advanced Human-Computer Interaction 3.0
**MGEN 479** - Innovation and Entrepreneurship 3.0
**SFL 287** - Intermediate Clothing Construction 3.0
**SFL 382** - Textiles 3.0
**SFL 387** - Advanced Clothing Studies: Patternmaking 3.0
**SFL 487** - Advanced Clothing Studies: Construction 3.0
**TECH 112** - Exploration in Innovation Design Techniques 1.0
**TECH 231** - Foundations of Global Leadership 3.0
**TES 200** - Processes and Prototyping with Wood 3.0
**TES 251** - Video and Photography Production 3.0
**TES 400** - Furniture Design and Advanced Woodworking Processes 3.0

**Note 2:** Generally, 300-level through 600-level courses that directly support the Industrial Design degree but are not listed above will qualify to meet this requirement. Request approval from the Industrial Design program chair.

**Note 3:** Any course listed in Requirement 9 can be applied to this requirement after Requirement 9 has been fulfilled. Request approval from the advisement center.

**REQUIREMENT 11** Complete department packet and exit interview.
Students can be placed on probationary status for the following: 1) Inadequate academic performance, 2) Unprofessional attitude and lack of commitment, 3) BYU Honor Code violations.
THE DISCIPLINE:
Industrial design is a blend of art and technology. On the art side, an industrial designer needs to be creative, be able to visualize ideas, appreciate aesthetics and understand human culture, psychology, and sociology. On the technology side, an industrial designer needs to be able to understand product development processes and contributors, understand how things work, and have a working knowledge of manufacturing materials and processes. Combining the two, an industrial designer creates products that make specific and appropriate human connections through aesthetics, satisfying needs, and providing meaning.

CAREER OPPORTUNITIES:
Industrial designers typically work in these areas: electronic products; outdoor, sports, and recreation products; personal and home products; medical, commercial, and industrial equipment; environments and furniture; toys and children’s products; and user experiences and design research.

PRE-MAJOR ENROLLMENT:
Students applying for the pre-industrial design program must be accepted to Brigham Young University before being considered for the major. The four pre-industrial design foundation courses must be taken concurrently in either fall or winter semester. Enrollment in these courses is limited. In order to enroll, students must apply and be accepted. Applications for the pre-industrial design foundation courses must be returned by August 1. Individuals will be notified 1-2 weeks after the deadline and will be informed which semester (fall or winter) they may enroll in foundation courses. Application forms are available from the School of Technology Advisement website. Go to http://sot.et.byu.edu/ advisement then click on Applications and Forms. Note: Acceptance to the pre-industrial design program cannot be deferred. Individuals who are accepted must register for foundation courses for their assigned semester. Failure to do so will require reapplication to the pre-industrial design program for the year the student plans to attend.

PROFESSIONAL DEGREE PROGRAM ENROLLMENT:
Admittance into the professional level of the industrial design program is based on three criteria: overall grade point average for the foundation courses, a panel review of a student portfolio, and a student professionalism score. A portfolio is a collection of work based on foundation courses and weighted higher than grade point average and professionalism score. Portfolios and professional level applications are to be submitted for review by the last day of finals in Winter semester. Individuals will be notified within 1-2 weeks of the decision of the review committee. Students accepted into the professional level are permitted to enroll in specified courses at the next academic level. Students who have not been accepted in the program may apply again the following year. Students may only take the foundation courses one time. Transfer students applying for admission to the pre-industrial design program must follow the same requirements as students currently enrolled in BYU.

MAP DISCLAIMER
While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

DEPARTMENT INFORMATION
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