# INDUSTRIAL DESIGN-45300

**BID IN INDUSTRIAL DESIGN** / 131 S.H

**GENERAL EDUCATION (total credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE 1000</td>
<td>Transition to Kean (Required of all Freshmen) &amp; Transfer students with fewer than 10 credits (1 S.H.)</td>
</tr>
<tr>
<td>ENG 1030</td>
<td>College Composition (Requires a C or better)</td>
</tr>
<tr>
<td>MATH 1000, 1010 or 1016</td>
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</tr>
<tr>
<td>COMM 1402</td>
<td>Speech Communication</td>
</tr>
<tr>
<td>GE 2025</td>
<td>Research &amp; Technology</td>
</tr>
</tbody>
</table>

**FOUNDATION REQUIREMENTS**

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 S.H.</td>
<td>DSN 1100</td>
<td>Introduction to Design and Visual Culture</td>
</tr>
<tr>
<td></td>
<td>DSN 1101</td>
<td>Visual Form I</td>
</tr>
<tr>
<td></td>
<td>DSN 1102</td>
<td>Visual Form II</td>
</tr>
<tr>
<td></td>
<td>DSN 1103</td>
<td>Visualizing Techniques I</td>
</tr>
<tr>
<td></td>
<td>DSN 1104</td>
<td>Visualizing Techniques II</td>
</tr>
</tbody>
</table>

**DISCIPLINARY & INTERDISCIPLINARY Distribution Requirements:**

**HUMANITIES:**

6 S.H.

*ENG 2403 World Literature

**SOCIAL SCIENCES:**

6 S.H.

*HIST 1062 Worlds of History

**SCIENCE AND MATHEMATICS:**

7 S.H.

*PSYCHOLOGY 1000

**G.E. AND MAJOR CAPSTONE:**

3 S.H.

*DSN 4000 Critical Perspectives in Design***

**ADDITIONAL REQUIRED COURSES:**

12 S.H.

AH 1700 Art History, Prehistoric – Medieval

AH 1701 Art History, Renaissance – Modern

AH 3740 Art History, Modern Art

DSN 3001 Design Internship >

**FREE ELECTIVES**

Selected with advisement

At least 50% must be 3000/4000 level

6 S.H.

**TOTAL CREDITS:**

78 S.H.

**EFFECTIVE DATE:** FALL 2014

**NAME:**

**STUDENT ID:**

**TRANSFER INSTITUTIONS (X)**

**CREDITS:**

- In Progress:

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**REQUIRED FOUNDATION COURSES**

**REQUIRED MAJOR COURSES**

63 S.H.

GD 1000 Computers In Graphic Design

IND 1300 Drafting and CAD in Industrial Design

IND 2330 CAD and 3D Modeling

FA 2277 Sculpture: Modeling & Casting

IND 3330 Advanced CAD Systems

FA 2288 Furniture Making I

IND 1310 History of Industrial Design

IND 2350 Production Methods I

DSN 4006 Special Topics: Production Methods II

IND 1308 Introduction to Industrial Design

IND 2300 Industrial Design Fundamentals

IND 2301 Model Design

IND 2302 Design Delineation

IND 2308 Industrial Design Studio I

IND 3308 Industrial Design Studio II

IND 4308 Industrial Design Studio III

DSN 4007 Special Topics >

IND 4310 Portfolio for Industrial Design

**THREE MAJOR, UPPER DIVISION COURSES**

Selected with faculty guidance - see advisement guide

**ADVISOR:**

**ADVISOR SIGNATURE:**

*G.E. required course

***All Major courses require a grade of C or better and 3.0 GPA minimum

> Can test out and substitute GD elective courses

> Requires permission through petition
Design Foundation: Four studio courses include visualizing techniques and visual form & composition; one lecture course, Design & Visual Culture, a survey of the design professions; four Art History courses.

**Industrial Design**

**Design Foundation Courses**
- **DSN 1100** Introduction to Design and Visual Culture
- **DSN 1101** Visual Form I
- **DSN 1102** Visual Form II
  - Prerequisites: DSN 1101
- **DSN 1103** Visualizing Techniques I
- **DSN 1104** Visualizing Techniques II
  - Prerequisites: DSN 1103

**Additional Required Courses**
- **AH 1700** Art History, Prehistoric – Medieval
- **AH 1701** Art History, Renaissance – Modern
- **AH 3740** Art History, Modern Art
- **DSN 3001** Design Internship

**Major Courses**
- **GD 1000** Computers in Graphic Design I
  - Prerequisites: DSN 1101 or by permission of instructor
- **IND 1300** Drafting & CAD in Industrial Design
- **IND 1308** Introduction to Industrial Design
- **IND 1310** History of Industrial Design
- **FA 2288** Furniture Making I
- **FA 2277** Sculpture: Modeling & Casting
- **IND 2300** Industrial Design Fundamentals
- **IND 2301** Model Design
  - Prerequisites: IND 2300 or permission of instructor
- **IND 2302** Design Delineation
  - Prerequisites: IND 2300, DSN 1001 or permission of instructor
- **IND 2308** Industrial Design Studio I
  - Prerequisites: IND 2301
- **IND 2330** CAD & 3-D Modeling
  - Prerequisites: IND 1300 or equivalent
- **IND 2350** Production Methods I
  - Prerequisites: IND 1300 or equivalent
- **IND 3308** Industrial Design Studio II
  - Prerequisites: IND 2308
- **IND 3330** Advanced CAD Systems
  - Prerequisites: TECH 3220 or permission of instructor
- **DSN 4006** Special Topics: Productions Methods II
- **DSN 4007** Special Topics in Design
- **IND 4308** Industrial Design Studio III
  - Prerequisites: IND 3308
- **IND 4310** Portfolio: Industrial Design
  - Prerequisites: IND 4308 or permission of instructor
- **DSN 4000** Critical Perspectives in Design (Capstone)
  - Prerequisite: Six credits of Art and/or Design History
**Additional Major Information and Requirements**

**General Education Information and Requirements**

**Testing and Placement**
Incoming freshmen and transfer students may be placed in specific GE Foundations, Developmental or ESL courses as a result of testing prior to registration. Students may also be exempt from testing due to SAT scores prior to college work.

**Prerequisites and Equivalencies for GE Foundation Courses**

- **GE 1000**
  - Required for all freshman and transfers with fewer than 10 credits.
  - Prerequisites: None
  - Equivalents: ID 1001

- **ENG 1030**
  - Prerequisites: Placement testing
  - Equivalents: ENG 1031/1032, ENG 1033/1034, ENG 1430, ENG 1020, ENG 1400

- **MATH 1000 or 1010 or 1016 or 1030**
  - Prerequisites: MATH 1901 if required by placement testing.
  - Equivalents: MATH 1001/1002, MATH 1003/1004, MATH 1051

- **MATH 1044 or MATH 1054**
  - Prerequisites: MATH 1000 if required by placement testing.

- **COMM 1402**
  - Prerequisites: CS 0412, ENG 1031/1032 or ENG 1033/1034 if required by placement testing.
  - Equivalents: ENG 1030, ENG 1030 or equivalent COMM 1400

- **GE 2021 - 2026 Research and Technology**
  - Offered as a college-based course.
  - GE 2021 College of BPA
  - GE 2022 College of EDU
  - GE 2023 College of HSS
  - GE 2024 College of NAHS
  - GE 2025 College of VPA
  - GE 2026 Undecided Majors
  - Prerequisites: CS 0412 if required by placement testing.
  - Equivalents: GE 2020

**GE Distribution Courses**
All courses taken under the General Education Disciplinary/Interdisciplinary Distribution requirements must be selected from the approved General Education Distribution Course List, printed in Registration Bulletin. These courses are designated as GEHU, GESS, GESM, or GEHPE.

- **GEHU** Humanities
- **GESS** Social Sciences
- **GESM** Science and Mathematics
- **GEHPE** Health and Physical Education

**Required GE Distribution Courses**
ENG 2403 is a required Humanities Distribution course with an emphasis on diversity. Prerequisites: CS 0412 if required by placement testing; ENG 1030 or equivalent.

Either HIST 1000 or 1062 is a required Social Sciences Distribution Course with an emphasis on diversity. Prerequisites: CS 0412 if required by placement testing; May be taken concurrently with ENG 1030.

**Foreign Language Credit**
The three credits for a foreign language that may satisfy the GE Disciplinary/Interdisciplinary Distribution Requirement are awarded only upon successful completion of two semesters of study at the introductory or intermediate level. Credit for the first semester may be used as elective credit.

**Major/GE Capstone Course**
A Capstone course is a major course that satisfies three credits of GE requirement. Each major guide sheet will count three credits for the capstone as either GE credits or major credits, but not both.

**University Requirements**
All students are required to complete one “Writing-Emphasis” course. The “W-E” course must be within the major portion of your program. Consult your major program advisor for specific information.

**Design Major Requirements**
Faculty advisors will not approve a student’s course schedule unless all prerequisites for courses have been completed with a grade C or better.

Any student seeking an exception to this sequence must obtain authorization from the Executive Director or Program Coordinator prior to registration. Exceptions are granted for legitimate educational reasons only.

ALL BFA and BID majors must maintain a 3.0 average in major courses to be eligible for the degree. It's the student's responsibility to be aware of their academic success.
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<thead>
<tr>
<th>Year</th>
<th>FALL</th>
<th>SPRING</th>
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</thead>
<tbody>
<tr>
<td><strong>01</strong></td>
<td>IND 1308 Intro to Industrial Design</td>
<td>DSN 1101 Visual Form I</td>
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<td></td>
<td>DSN 1103 Visualizing Techniques I</td>
<td>MATH Choices 1000, 1010 or 1016 (GE Foundation)</td>
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<tr>
<td></td>
<td>ENG 1030 College Composition (GE Foundation)</td>
<td>GE 1000 (1) Transition to KEAN (GE Foundation) OR GE 3000 (transfer) (1)</td>
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</tbody>
</table>

- IND 2300 Industrial Design Fundamentals
- DSN 1102 Visual Form II
- DSN 1104 Visualizing Techniques II
- AH 1701 Art History I Prehistoric to Middle Ages
- COMM 1402 Speech Communication (GE Foundation)

Summer courses highly recommended

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<thead>
<tr>
<th>Year</th>
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<th>SPRING</th>
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</thead>
<tbody>
<tr>
<td><strong>02</strong></td>
<td>IND 2350 Production Methods I</td>
<td>IND 1300 Drafting and CAD in Industrial Design</td>
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<td></td>
<td>IND 2301 Model Design I</td>
<td>IND 2302 Design Delineation</td>
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<td></td>
<td>AH 1701 Art History II Renaissance to Modern</td>
<td>GE 2025* Research &amp; Technology CVPA Section (GE Foundation)</td>
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<tr>
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<td>DSN 4006 Special Topics: Production Methods II</td>
<td>IND 1300</td>
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<tr>
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<td>IND 2350</td>
<td>IND 1300</td>
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<td>IND 2301</td>
<td>IND 2301</td>
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<tr>
<td></td>
<td>AH 1700 or 1701</td>
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Summer courses highly recommended

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<tr>
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<tbody>
<tr>
<td><strong>03</strong></td>
<td>IND 3330 Advanced CAD Systems</td>
<td>IND 3308 Industrial Design Studio II</td>
</tr>
<tr>
<td></td>
<td>IND 2330</td>
<td>Free Elective</td>
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<tr>
<td></td>
<td>IND 3308</td>
<td>CPS 1231 Computer Applications</td>
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<tr>
<td></td>
<td>ID 3230</td>
<td>ID 3230 Understanding Images (Humanities requirement)</td>
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<tr>
<td></td>
<td>GD 1000 Computers in Graphic Design</td>
<td>IND 4308 Industrial Design Studio III</td>
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<tr>
<td></td>
<td>IND 1310 History of Industrial Design</td>
<td>Major Course</td>
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<tr>
<td></td>
<td>IND 4308</td>
<td>Major Course</td>
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Internship highly recommended

<table>
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<tr>
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<tbody>
<tr>
<td><strong>04</strong></td>
<td>FA 2277 Sculpture Modeling &amp; Casting</td>
<td>DSN 4007 Special Topics</td>
</tr>
<tr>
<td></td>
<td>FA 2288 Furniture Making</td>
<td>Major Course</td>
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<td></td>
<td>DSN 4000 Critical Perspectives</td>
<td>Free Elective</td>
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<tr>
<td></td>
<td>DSN 1104</td>
<td>SOCIAL SCIENCE (GE requirement)</td>
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<td></td>
<td>DSN 3001 Design Internship</td>
<td>Major Course</td>
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<tr>
<td></td>
<td>DSN 4310 Portfolio for Industrial Design</td>
<td>IND 4308</td>
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*Courses marked with an asterisk are suggested for summer school to facilitate graduation within the four year sequence outlined here. Numbers in italics under the course are prerequisite requirements for that course.