# Product Design Four-Year Plan

For Students Officially Admitted to the Program in Fall 2021 and Spring 2022 Only

(v. 9-3-21)

## Year One

### Fall Semester

- **Math 1271: Calculus I**  
  *OR* **Math 1371: CSE Calculus I**  
  *OR* **Stat 3011: Introduction to Statistical Analysis**  
  (All meet Mathematical Thinking.)  
  4

- **PDes 2701: Creative Design Methods** (fall only)  
  3

- **PDes 2702: Concept Sketching**  
  3

- **Phys 1101W: Introductory College Physics I**  
  *OR* **Phys 1301W: Introductory Physics for Science and Engineering I**  
  *OR* **Phys 1401V: Honors Physics I**  
  (All meet Physical Science and Writing Intensive.)  
  4

### Spring Semester

- **Freshman Writing**  
  You will be placed in one of the following:  
  Writ 1201: Writing Studio*  
  Writ 1301: University Writing  
  *If placed in Writ 1201, you must also complete Writ 1301 to fulfill the first-year writing requirement.  
  4

- **Des 2101: Design and Visual Presentation**  
  2

- **PDes 2703: Concept Visualization and Presentation 1** (spring only)  
  3

- **PDes 2777: Product Form and Model Making** (spring only)  
  3

- **Liberal Education Requirement**  
  3-4

**PORTFOLIO REVIEW and DECLARE TRACK**

**Semester Credits**  
**14**

**Semester Credits**  
**15-16**

## Year Two

### Fall Semester

- **EE 1301: Introduction to Computing Systems**  
  *OR* **CSci 1103: Introduction to Computer Programming in Java** (fall only)  
  4

- **Des 3201: Career and Internship Preparation for Design**  
  1

- **PDes 2704: Concept Visualization and Presentation 2** (fall only)  
  3

- **PDes 2771: Product Design Studio 1** (fall only)  
  4

- **PDes 3704: Computer-Aided Design Methods 1: Solid Modeling and Rendering** (fall only)  
  3

**Semester Credits**  
**15**

### Spring Semester

- **PDes 2772: Product Design Studio 2** (spring only)  
  4

- **PDes 3706: Designing for Manufacture** (spring only)  
  4

- **Track Course:**  
  *Integrated Product Development Track:*  
  **PDes 3714: Computer-Aided Design Methods 2: Surface Modeling and Rendering** (spring only)  
  *User Experience Track:*  
  **GDes 2342: Web Design**  
  3

- **Liberal Education Requirement**  
  3-4

**Semester Credits**  
**14-15**

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*See Reverse*
### Year Three

#### Fall Semester
- **Mgmt 3010: Introduction to Entrepreneurship** 4
- **PDes 3771: Product Design Studio 3** (fall only) 4
- **PDes 3737: Product Design Portfolio** (fall only) 2

#### Spring Semester
- **PDes 3196: Product DesignInternship** 2
- **PDes 3705: History and Future of Product Design** (spring only) 3
- **PDes 3711: Product Innovation Lab** * 4
  *Because this is an interdisciplinary studio course, it is not advised to take it simultaneously with PDes 2772.*
- **Liberal Education Requirements or electives** 6-8

<table>
<thead>
<tr>
<th>Track Course:</th>
<th>4</th>
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<tbody>
<tr>
<td>Integrated Product Development Track:</td>
<td></td>
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<tr>
<td>ME 2011: Introduction to Engineering (fall only)</td>
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<tr>
<td>User Experience Track:</td>
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<tr>
<td>Des 3131: User Experience in Design</td>
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Semester Credits 14

#### Year Four

#### Fall Semester
- **Des 5185: Human Factors in Design** (fall only) 3
- **PDes 4701W: Capstone Research Studio** (fall only) (Writing Intensive) 4
- **Program Electives** 3-4
  For course options, refer to your APAS report.
- **Liberal Education Requirements or electives** 3-4

Semester Credits 13-15

#### Spring Semester
- **PDes 4702W: Capstone Design Studio** (spring only) (Writing Intensive) 4
- **Program Elective** 3-4
  For course options, refer to your APAS report.
- **Liberal Education Requirements or electives** 6-8

Semester Credits 13-16

### Liberal Education Requirements *Not* Met by Major Requirements

#### Diversified Core
- Arts/Humanities
- Biological Science
- Historical Perspectives
- Literature
- Social Sciences

#### Designated Themes
- Civic Life and Ethics
- Race, Power, and Justice in the U.S. (RPJ)
- Global Perspectives
- Technology and Society
- The Environment

This is a sample plan subject to change prior to the start of Fall Term 2021.