# Product Design Four-Year Plan

For Students Officially Admitted to the Program in Fall 2020 and Spring 2021 Only  
(v.3-22-23)

## 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 1401W: 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  
  - Writ 1401: Writing and Academic Inquiry  
  *If placed in Writ 1201, you must also complete Writ 1301 to fulfill the first-year writing requirement.*  
  - 4
- **PDes 2703: Concept Visualization and Presentation 1** (spring only)  
  - 3
- **PDes 2777: Product Form and Model Making** (spring only)  
  - 3
- **Phys 1102W: Introductory College Physics II** (spring only)  
  *OR* **Phys 1302W: Introductory Physics for Science and Engineering II**  
  *OR* **Phys 1402W: Honors Physics II**  
  (All meet Physical Science and Writing Intensive)  
  - 4

**PORTFOLIO REVIEW and DECLARE TRACK**  

| Semester Credits | 14 |

## Year Two

### Fall Semester
- **EE 1301: Introduction to Computing Systems**  
  *OR* **Scis 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

### 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 | 15 |

See Reverse

**University of Minnesota**
## Year Three

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>Mgmt 3010: Introduction to Entrepreneurship</td>
<td>PDes 3196: Product Design Internship</td>
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<tr>
<td>PDes 3771: Product Design Studio 3 (fall only)</td>
<td>PDes 3705: History and Future of Product Design (spring only)</td>
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<tr>
<td><strong>Track Course:</strong></td>
<td><em><em>PDes 3711: Product InnovationLab</em> (spring only)</em>*</td>
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<td><em>Because this is an interdisciplinary studio course, it is not advised to take it simultaneously with PDes 2772.</em></td>
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<tr>
<td>Track Course: Integrated Product Development Track: ME 2011: Introduction to Engineering (fall only) User Experience Track: Des 3131: User Experience in Design</td>
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<tr>
<td>Liberal Education Requirement</td>
<td>PDes 3737: Product Design Portfolio</td>
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<tr>
<td><strong>Semester Credits:</strong> 15-16</td>
<td>Liberal Education Requirement</td>
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<tr>
<td><strong>Semester Credits:</strong> 14-15</td>
<td><strong>3-4</strong></td>
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## Year Four

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<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>PDes 4701W: Product Design Studio 4 (fall only) (Writing Intensive)</td>
<td>PDes 4702W: Capstone Design Studio (spring only) (Writing Intensive)</td>
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<td>Program Electives</td>
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<td>For course options, refer to your APAS report.</td>
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<td>Liberal Education Requirements or electives</td>
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<tr>
<td><strong>Semester Credits:</strong> 13-16</td>
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</tbody>
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## 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.
- Global Perspectives
- Technology and Society
- The Environment

This is a sample plan subject to change prior to the start of Fall Term 2020.