**Design Graduate Program**  
Master of Science Degree  

**Product Design Track**

4xxx level courses may comprise no more than 9 course credits on this program. Courses are selected with approval of adviser & committee. Courses taken on the official degree program must be taken A-F unless only offered S-N.

<table>
<thead>
<tr>
<th>Student</th>
<th>Adviser</th>
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<tr>
<th><strong>Master of Science Degree: Plan A</strong></th>
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<tr>
<td><strong>Required Components</strong></td>
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<td><strong>Ethics</strong></td>
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| **Theory and Philosophy** | 3 | DES 8112 Design Theory OR one of the following  
- DES 8164 Innovation Theory and Analysis  
- DES 8167 Aesthetics of Design | 3 | | |
| **Evaluation & Analysis** | 6 | DES 8102 Quantitative Research Methods OR  
DES 8103 Qualitative & Mixed Methods Research | 3 | | |
| **Core Courses** | 13 | PDES 5701 User-centered Design Studio  
PDES 5702 Visual Communication  
PDES 5703 Prototyping Methods  
PDES 5704 Computer-Aided Design Methods | 3 | | |
| **Master’s Thesis** | 10 | DES 8777 Thesis Credits: Master’s | 10 | | |
| **Related Field** | 6 | Selected with approval of adviser & committee.  
DES 5185 Human Factors in Design  
PDES 5711 Product Innovation Lab  
PDES 5706 Designing for Manufacture  
PDES 5705 History and Future of Product Design  
PDES 5193 Directed Study in Product Design  
PDES 5189 Directed Study in Product Design  
DES 8102 Quantitative Research Methods  
DES 8103 Qualitative & Mixed Methods Research  
DES 8151 Product Development (Softlines)  
DES 8113 Teaching and Assessment  
GDes 5341 Interactive Design  
GDes 8362 Color, Design, and Human Perception  
GCC 5005 Grand Challenge: Global Venture Design  
HUMF 5001 Foundations of Human Factors/Ergonomics  
PDES 8721 New Product Design and Business Development I  
PDES 8722 New Product Design and Business Development II  
BMEN 5151 Intro BioMEMS/ Med devices  
ME 8243 Designing Smart Products  
CSCI 5127W - Human-Centered Design and Prototyping of Ubiquitous Computing Systems  
CSCI 5115 User Interface Design, Implementation and Evaluation  
CSCI 5619 Virtual Reality and 3D Interaction  
CSCI 8115 Human-Computer Interaction and User Interface Technology  
MGMT 5102 StartUp: Customer Development and Testing  
ENTR 6090 Technology-based Entrepreneurship  
ANTH 5121 Business Anthropology  
ANTH 4035 Ethnographic Research Methods | 3 | | |
| **Additional Courses** | Additional courses determined by adviser & committee. |
| **Total Credits** | 36 |

*Students with no college level background in statistics, must take at least one statistics course from the list of electives.*