Undergraduate Minor Program in Design

The Minor Program in Design is designed mainly for engineering students, but is also open to all students to apply. Any undergraduate students with an overall CGA of 2.5 or above may enroll in this Minor Program. Students must declare their intention to enroll in the Minor Program no earlier than the first regular term of their second year of study but no later than the last day of the add/drop period in the first regular term of their final year of study. Students who wish to withdraw from the Minor Program should apply before the last day of the add/drop period in the last regular term of their final year of study.

Minor Requirements

To graduate with a minor in Design, the students must have enrolled in the Minor Program and completed a minimum total of 18 credits and all of its requirements, as well as all the requirements of their major program of study.

For credit transfer, students can transfer a maximum total of 6 credits to the Minor Program.

Out of the total credits required by the minor program, at least 9 credits should be single-counted within the minor and are not used to fulfill any other requirements for graduation except the 120-credit degree requirement.

Students may use no more than 6 credits earned from courses offered in pure online delivery mode to satisfy the graduation requirements of a degree program. This 6-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

Required Course(s)

<table>
<thead>
<tr>
<th>Course(s)</th>
<th>Credit(s)</th>
<th>Attained</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEDA/MARK</td>
<td>Note: IEDA 4650 OR COMP 4461 OR MARK 3220 OR MARK 3450</td>
<td>3-4</td>
</tr>
<tr>
<td>IEDA 4650</td>
<td>Engineering Psychology</td>
<td>3</td>
</tr>
<tr>
<td>COMP 4461</td>
<td>Human-Computer Interaction</td>
<td>3</td>
</tr>
<tr>
<td>MARK 3220</td>
<td>Marketing Research</td>
<td>4</td>
</tr>
<tr>
<td>MARK 3450**</td>
<td>Analytical Techniques for Product Marketing</td>
<td>4</td>
</tr>
<tr>
<td>ISDN 4320</td>
<td>Design Thinking</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective(s)

Design Foundation Electives (Courses from the specified elective list) required 6

<table>
<thead>
<tr>
<th>Course(s)</th>
<th>Minimum credit(s) required</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEDA/ENGG/HART/SOSC</td>
<td></td>
</tr>
<tr>
<td>IEDA 2145**</td>
<td>Design Studio</td>
</tr>
<tr>
<td>IEDA 2150</td>
<td>Product Design</td>
</tr>
<tr>
<td>ENGG 1200</td>
<td>Engineering Team Design Experience: Airship</td>
</tr>
<tr>
<td>HART 1001</td>
<td>Arts and Creativity</td>
</tr>
<tr>
<td>HART 1036</td>
<td>Introduction to Graphic Design</td>
</tr>
<tr>
<td>SOSC 2170</td>
<td>Environment, Sustainability and Business: A Design Approach</td>
</tr>
<tr>
<td>SENG</td>
<td>Design Focus Electives (Courses from the specified elective list. No more than one course within the same course groups of ELEC 3300 / IEDA 2100 / MECH 2907 and IEDA 4170 / MECH 3510 may be counted towards the elective requirement. Courses taken as Required Courses may not be counted towards the elective requirement.)</td>
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<tr>
<td>IEDA</td>
<td>2100 Computing in Industrial Applications</td>
</tr>
<tr>
<td>IEDA</td>
<td>3130 Ergonomics and Safety Management</td>
</tr>
<tr>
<td>IEDA</td>
<td>4170 Product Design and Lifecycle Management</td>
</tr>
<tr>
<td>BIEN</td>
<td>3010 Biodesign: A Taste of Solving Real-Life Healthcare Problems</td>
</tr>
<tr>
<td>COMP</td>
<td>4411 Computer Graphics</td>
</tr>
<tr>
<td>COMP</td>
<td>4451 Game Programming</td>
</tr>
<tr>
<td>COMP</td>
<td>4461 Human-Computer Interaction</td>
</tr>
<tr>
<td>COMP</td>
<td>4521 Mobile Application Development</td>
</tr>
<tr>
<td>ELEC</td>
<td>3300 Introduction to Embedded Systems</td>
</tr>
<tr>
<td>ELEC</td>
<td>4170 Digital Media and Multimedia Applications</td>
</tr>
<tr>
<td>MECH</td>
<td>2907 Mechatronic Design and Prototyping</td>
</tr>
<tr>
<td>MECH</td>
<td>3510 CAD/CAM</td>
</tr>
</tbody>
</table>

**Remarks on course(s):**
- IEDA 2145: The course was last offered in 2014-15 and was deleted subsequently.
- MARK 3450: The course was last offered in 2014-15 and was deleted subsequently.