

## IND ADVISING MATRIX - a representative 8 semesters

This guide accounts for prerequisites and the current portfolio requirement. The guide is for the advisor and the student to work out the student's specific needs. Transfer credits, the opportunity for summer and winterim classes, and course availability affect final schedules.

|                             | 1  | 2  | 3  | 4  | 5   | 6   | 7  | 8   |   |
|-----------------------------|--|--|--|--|---|---|--|---|---|
| <b>IND required courses</b> | <p>ART 1141 -3<br/>Drawing 1</p> <p>IND 1010 -3<br/>Woods: Materials &amp; Fabrication</p> <p><i>Prerequisite for IND 3480</i></p> <p>* IND 1470 -3<br/>Design Drawing Techniques</p> <p>IND 1000 -1<br/>Introduction to Industrial Design</p> <p>* IND 1250 and IND 1130<br/>Pre or Corequisite:<br/>IND 1450 or IND 1470</p> | <p>ART 1101 -3<br/>2D Design</p> <p>* IND 1450 -3<br/>Technical Drawing and CAD</p> <p>* IND 1250 -3<br/>Metals: Materials &amp; Fabrication</p> <p>* IND 1130 -3<br/>Plastics: Materials &amp; Fabrication</p> <p><i>Prerequisite for IND 3480</i></p> <p>IND 2100 -3<br/>Digital Composition</p> | <p>ART 1501 -3<br/>3D Design</p> <p><i>Prerequisite for IND 3660</i></p> <p>IND 2450 -4<br/>Beginning ID Studio<br/><i>Gray: This is the Studio Sequence</i></p> <p>IND 3480 -3<br/>Model Making<br/><i>Prerequisite: IND 1010 and IND 1130</i></p> <p>IND 2830 -3<br/>Manufacturing M&amp;P</p> | <p>IND 3450 -4<br/>Intermediate ID Studio<br/><i>Registration requires a successful 60 hour portfolio review (P)</i></p> <p>IND 3660 -3<br/>Computer Aided Modeling<br/><i>Prerequisite: IND 1450</i></p> <p>IND 3950 -3<br/>History of ID</p> <p><b>Note:</b><br/>IND 3600, 3660, and IND 3950 can be taken before portfolio review -see an advisor</p> | <p>IND 4450 -4<br/>Advanced ID Studio</p> <p>IND 3800 -4<br/>Design for Marketability and Manufacturing</p> <p>IND 4540 -4<br/>Concept &amp; Portfolio Development</p> <p>IND 3600 -3<br/>Digital Visualization in ID</p> | <p>IND 4460 -4<br/>Professional ID Studio</p> <p>IND 4960 -3<br/>Professional Internship<br/><i>Prerequisite: All General Studies course requirements completed, and IND 4450</i></p> <p><b>IND Electives (Required 12 credit hrs.)</b></p> <p>IND 2810 -3<br/>Design &amp; Tech.: Global Perspectives<br/><i>Pre req. ENG 1010, Pre or Co req. ENG 1020</i></p> <p>IND 3000 -3<br/>Design Thinking</p> <p>IND 3050 -3<br/>Advanced Sketching<br/><i>Prereq: IND 1470</i></p> <p>IND 3100 -3<br/>Advanced Plastics &amp; Composites<br/><i>Prereq: IND 1130</i></p> <p>IND 3200 -3<br/>Bicycle Design &amp; Fabrication<br/><i>Prereq: IND1010, IND1130, IND1250, IND1450, and IND1470</i></p> <p>IND 3330 -3<br/>Furniture Design<br/><i>Prereq: IND 1010 or ART 1300</i></p> <p>IND 3400 -3<br/>Product Usability and Ergonomics<br/><i>Prereq: IND 2450</i></p> <p>IND 2810 -3<br/>Textiles: Materials &amp; Fab.<br/><i>Prereq: IND1450, IND1470</i></p> <p>IND 3700 -3<br/>Public Furniture Design<br/><i>Prereq: IND 2450</i></p> <p>IND 3980 - (1-3)<br/>Elec. Internship Exp.<br/><i>Prereq: IND 2450</i></p> <p>IND 4410 -3<br/>Surface modeling for ID<br/><i>Prereq: IND 3660</i></p> <p>IND 4210 -3<br/>Utilization of Composites in Manufacturing<br/><i>Prereq: IND 3100</i></p> <p>IND 4550 -3<br/>Advanced Textiles<br/><i>Prereq: IND 3550</i></p> | <p>PSY 1001 -3<br/>Intro Psychology<br/><i>Social and Behavioral Science II</i></p> <p>PSY 4410 -3<br/>Human Factors<br/><i>Spring Only<br/>IND 3400 can substitute this requirement.<br/>See an advisor.</i></p> <p>GEN STUDY -3<br/><i>Historical</i></p> <p>GEN STUDY -3<br/><i>Natural and Physical Science</i></p> <p>GEN STUDY -3<br/><i>Social and Behavioral Science I</i></p> <p>GEN STUDY -3<br/><i>Include a multi-cultural course - separate graduation requirement may be fulfilled by courses in these categories.</i></p> | <p>PHY 1000 -4<br/>Intro to Physics<br/><i>Natural and Physical Science</i></p> <p>ENG 1020 -3<br/>Freshman Comp.<br/><i>Written Communication (Within 60 hours)</i></p> <p>ARTH 1500 -3<br/>Art and Visual Literacy<br/><i>Arts and Humanities</i></p> <p>ARTH 1700 -3<br/>World Art II: Art1400-1900<br/><i>Register Art Department General studies Arts and Humanities with Global designation</i></p> | <p>MTH 1210 -4<br/>Intro to Statistics<br/><i>Quantitative Literacy (Within 30 hours)</i></p> <p>CAS 1010 -3<br/>Public Speaking<br/><i>Communication (Within 30 hours)</i></p> <p>ENG 1010 -3<br/>Composing Arguments<br/><i>Written Communication (Within 30 hours)</i></p> |

**KEY:**

- ▶ Leads to a prerequisite for a required class
- ◀ Class with prerequisite(s)
- ▬ All classes to left of red line required for the Portfolio Review
- ▭ Gray shaded courses are the four studio classes which must be sequential
- ⋮ Courses with dotted outline are IND elective courses

16 hours      16 hours      16 hours      13 hours      16 hours      14 hours      16 hours      16 hours      13 hours

University approved General Studies courses can be found at [http://catalog.msudenver.edu/preview\\_program.php?catoid=13&pid=2472#GS\\_Courses](http://catalog.msudenver.edu/preview_program.php?catoid=13&pid=2472#GS_Courses)

