This sheet applies to the 2015-2016 catalog only. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors must work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

**General Studies**
- 35 min.

**Major courses**
- 73

**IND Electives**
- 12

**Total to graduate (min. 40 upper division hours)**
- 120

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*TO BE COMPLETED WITHIN FIRST 30-CREDIT HOURS AT MSU DENVER*

**Written Communication**
- ENG 1010 (3 hrs) Composing Arguments*
- OR
  - ENG 1008/1009 (6 hrs) Intro to Composition I and II*
  - ENG 1020 (3 hrs) Freshman Comp: Anly, Rsrch, & Documt. (must be completed within 45-credit hours)

**Oral Communication**
- SPE 1010 (3 hrs) Public Speaking

**Quantitative Literacy**
- MTH 1210 (4 hrs) Introduction to Statistics

**Arts & Humanities**
- ARTH 1500 (3 hrs) Art and Visual Literacy
- ARTH 1700 (3 hrs) World Art II: Art 1400-1900**

**Historical**
- (3 hrs)

**Natural & Physical Sciences**
- PHY 1000 (4 hrs) Introduction to Physics
- (3 hrs)

**Social & Behavioral Science I**
- (3 hrs)

**Social & Behavioral Science II**
- PSY 1001 (3 hrs) Introductory Psychology

**Global Diversity**
- ARTH 1700 World Art II: Art 1400-1900 (required in Arts & Humanities)

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**MAJOR COURSES**:
- (Please see a faculty advisor in IND)
  - ART 1101 (3 hrs) Studio Foundations: 2D
  - ART 1141 (3 hrs) Drawing I: Black and White
  - ART 1501 (3 hrs) Studio Dimensions: 3D
  - IND 1000 (1 hr) Introduction to Industrial Design
  - IND 1010 (3 hrs) Woods: Materials and Fabrication
  - IND 1130 (3 hrs) Plastics: Materials and Fabrication
  - IND 1250 (3 hrs) Metals: Materials and Fabrication
  - IND 1450 (3 hrs) Technical Drawing and CAD
  - IND 1470 (3 hrs) Design Drawing Techniques
  - IND 2100 (3 hrs) Digital Composition
  - IND 2450 (4 hrs) Beginning Industrial Design Studio
  - IND 2830 (3 hrs) Manufacturing Materials and Processes
  - IND 3450 (4 hrs) Intermediate Industrial Design Studio
  - IND 3480 (3 hrs) Industrial Design Model Making
  - IND 3600 (3 hrs) Digital Visualization Techniques in ID
  - IND 3660 (3 hrs) Computer Aided Modeling
  - IND 3800 (4 hrs) Design for Marketability and Manufacturing
  - IND 3950 (3 hrs) History of Industrial Design
  - IND 4450 (4 hrs) Advanced Industrial Design Studio
  - IND 4460 (4 hrs) Professional Industrial Design Studio
  - IND 4540 (4 hrs) Concept and Portfolio Development
  - IND 4960 (3 hrs) Professional Internship (Sr. Exp.)
  - PSY 4410 (3 hrs) Human Factors Engineering

**IND Electives**: Students choose 12 semester hours of elective courses in consultation with an IND faculty advisor.

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**Multicultural Requirement** may be satisfied within General Studies or electives

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**ELECTIVES**
# 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.

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**IND Required Courses**

- **IND 1000 - 1** Introduction to Industrial Design (Prerequisite for IND 2100 - 3)
- **IND 1250 - 3** Technical Drawing and CAD
- **IND 1470 - 3** Design Drawing Techniques
- **IND 1470 - 3** Design Drawing Techniques (Prerequisite for IND 3660)
- **IND 1120 - 3** Redwood: Materials & Fabrication
- **IND 1130 - 3** Plastics: Materials & Fabrication (Prerequisite for IND 3480)
- **IND 2100 - 3** Digital Composition (Prerequisite for IND 3480)
- **IND 3480 - 3** Model Making (Prerequisite: IND 1110 and IND 1130)
- **IND 2830 - 3** Manufacturing M&P
- **IND 3950 - 3** History of ID

**IND Electives (Required 12 credit hrs.)**

- **IND 2810 - 3** Design Tech: Global Perspective (Prereq: IND 2010)
- **IND 3100 - 3** Advanced Plastics & Composites (Prereq: IND 1300)
- **IND 3050 - 3** Advanced Sketching (Prereq: IND 1470)
- **IND 3330 - 3** Wood Furniture Design (Prereq: IND 1010 or IND 1300)
- **IND 3980 - 1(3)** Elect: Internship Exp (Prereq: IND 2450)
- **IND 3990 - 1(3)** Elect: Internship Exp (Prereq: IND 1450, IND 1470)
- **IND 3990 - 1(3)** Elect: Internship Exp (Prereq: IND 1450, IND 1470)
- **IND 3990 - 1(3)** Elect: Internship Exp (Prereq: IND 1450, IND 1470)

**General Studies and Electives**

- **SPE 1010 - 3** Public Speaking
- **MTH 1210 - 4** Introduction to Statistics
- **PHY 1000 - 4** Introduction to Physics: Natural and Physical Science
- **ENG 1001 - 3** Composition (Prereq: IND 3480)
- **ART 1500 - 3** Art and Visual Literacy: Arts and Humanities
- **ARTH 1700 - 3** Art and Visual Literacy: Arts and Humanities
- **PSY 1001 - 3** Intro to Psychology
- **PSY 4410 - 3** Human Factors

**KEY:** Leads to a prerequisite for a required class
- All classes to the left of red line required for 60 hour portfolio review (P)
- Gray shaded courses are the four studio classes which must be sequential
- Courses with dotted outline are IND elective courses

**Note:**
- IND 3060, IND 3950, PSY 1001, PSY 4410 These four courses can be taken before portfolio review - see student’s advisor

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**University approved General Studies courses can be found at**
http://catalog.msudenver.edu/previews_program.php?catoid=13&pgid=2472#G3_Courses

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**Metropolitan State University of Denver Industrial Design**