## General Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1010-3</td>
<td>Freshman Comp: the Essay</td>
</tr>
<tr>
<td>ENG 1020-3</td>
<td>Freshman Comp: Anal., Rsrch &amp; Docum. (must be completed within 60-credit hours)</td>
</tr>
<tr>
<td>MTH 1210-4</td>
<td>Introduction to Statistics</td>
</tr>
<tr>
<td>SPE 1010-3</td>
<td>Public Speaking</td>
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### General Studies Level I: Must be completed within first 30-credit hours at Metro

**Composition**
- ENG 1010-3: Freshman Comp: the Essay
- ENG 1020-3: Freshman Comp: Anal., Rsrch & Docum. (must be completed within 60-credit hours)

**Mathematics**
- MTH 1210-4: Introduction to Statistics

**Communications**
- SPE 1010-3: Public Speaking

### General Studies Level II

**Historical**
- -3 credits

**Arts & Letters**
- -3 credits
- ARTH 3300-3: Art and Cultural Heritage

**Social Sciences**
- PSY 1001-3: Introductory Psychology
- -3 credits

**Natural Sciences**
- CHE 1010-3: Chemistry and Society
- PHY 1000-4: Introduction to Physics

### ADDITIONAL GRADUATION REQUIREMENT

**Multicultural Requirement**
- ARTH 3300-3: Art and Cultural Heritage

## Major Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART 1101-3</td>
<td>Two-Dimensional Design</td>
</tr>
<tr>
<td>ART 1141-3</td>
<td>Drawing I: Black and White</td>
</tr>
<tr>
<td>ART 1501-3</td>
<td>Three-Dimensional Design</td>
</tr>
<tr>
<td>ARTH 1700-3</td>
<td>World Art II: Art since 1200* (See notes below)</td>
</tr>
<tr>
<td>IND 1010-4</td>
<td>Woods: Materials and Fabrication</td>
</tr>
<tr>
<td>IND 1130-3</td>
<td>Plastics: Materials and Fabrication</td>
</tr>
<tr>
<td>IND 1250-3</td>
<td>Metal: Materials and Fabrication</td>
</tr>
<tr>
<td>IND 1450-3</td>
<td>Industrial Drawing and CAD</td>
</tr>
<tr>
<td>IND 1470-3</td>
<td>Perspective Drawing</td>
</tr>
<tr>
<td>IND 2100-3</td>
<td>Digital Composition</td>
</tr>
<tr>
<td>IND 2450-4</td>
<td>Beginning Industrial Design Studio</td>
</tr>
<tr>
<td>IND 2830-3</td>
<td>Manufacturing Materials and Processes</td>
</tr>
<tr>
<td>IND 3450-4</td>
<td>Intermediate Industrial Design Studio</td>
</tr>
<tr>
<td>IND 3480-3</td>
<td>Industrial Design Model Making</td>
</tr>
<tr>
<td>IND 3600-3</td>
<td>Digital Visualization Techniques in ID</td>
</tr>
<tr>
<td>IND 3660-3</td>
<td>Computer Aided Modeling</td>
</tr>
<tr>
<td>IND 3800-4</td>
<td>Design for Production</td>
</tr>
<tr>
<td>IND 3950-3</td>
<td>History of Industrial Product Design</td>
</tr>
<tr>
<td>IND 4450-4</td>
<td>Advanced Industrial Design Studio</td>
</tr>
<tr>
<td>IND 4460-4</td>
<td>Professional Industrial Design Studio</td>
</tr>
<tr>
<td>IND 4540-4</td>
<td>Concept and Portfolio Development</td>
</tr>
<tr>
<td>IND 4960-3</td>
<td>Professional Internship (Senior Exper.)</td>
</tr>
<tr>
<td>PSY 4410-3</td>
<td>Human Factors Engineering</td>
</tr>
</tbody>
</table>

Electives: 10 credit hours (see a faculty advisor in department).

## ADDITIONAL NOTES

- Students must pass through an assessment portfolio review before passing on to junior-level status. The details of this process are outlined on the IND program web site and are available in hard copy from the IND department office (TE building 124).
- *The prerequisite for this course, ARTH 1600-World Art I, is waived for IND majors. IND majors must see the Art department to enroll in this course. Do not take ARTH 1600, World Art I.*
- **Courses in bold are recommended for students to complete within their freshman year at Metro State.**
IND DISTRIBUTED CURRICULUM GUIDE - 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 wintem classes, and course availability affect final schedules.

1. IND required courses
   - IND 1260 and IND 1130
   - Pre or Corequisite: IND 1450 or IND 1470

2. ART 1141 - 3
   - Drawing III
   - Prerequisite for IND 3660

3. IND 1450 - 3
   - Industrial Drawing and CAD
   - Prerequisite for IND 3660

4. IND 1250 - 3
   - Metals, Materials & Fabrication
   - Prerequisite for IND 3660

5. ART 1501 - 3
   - 3D Design
   - Pre or Corequisite

6. IND 2450 - 4
   - Beginning ID Studio
   - Gray: This is the Studio Sequence

7. IND 3450 - 4
   - Intermediate ID Studio
   - Registration requires a successful 60 hour portfolio review (P)

8. IND 3800 - 4
   - Design for Production

9. IND 4450 - 4
   - Advanced ID Studio
   - Prerequisite: IND 1450

10. IND 4860 - 3
    - Professional Internship
    - Prerequisite: All Level I and Level II Gen. Studies course requirements, and IND 4450

11. IND Electives (Required 10 credit hrs.)
    - IND 4410 - 3
      - Surface Modeling for ID
      - Prerequisites: IND 3660
    - IND 3100 - 3
      - Advanced Plastics & Composites
      - Prerequisites: IND 1130
    - IND 4870 - xxx
      - Advanced Sketching
      - Design Patent
      - Prerequisites: IND 1470 or IND 2810 - 3
    - IND 3300 - 3
      - Wood Furniture Design
      - Prerequisites: IND 1010 or ART 1200
    - IND 3770 - 3
      - Textiles, Society, & You
      - Design Only
      - MTI: 1210, ENG 1919

12. General and Electives
    - CHE 1010 - 3
      - Chemistry & Society
      - Level II Natural Science
    - MTH 1210 - 4
      - Intro to Statistics
      - Within 30 hours - Level I
    - PHY 1000 - 4
      - Intro to Physics
      - Level II Natural Science
    - ENG 1010 - 3
      - Freshman Comp.
      - Within 30 hours - Level I
    - ARTH 1700 - 3
      - World Art II
      - (not a Level II)
    - ARTH 3300 - 3
      - Art & Culture Heritage
      - Also MC, Art & Letter requirement

13. KEY:
    - Leads to a prerequisite for a required class
    - Class with prerequisite(s)
    - Gray shaded courses are the four studio classes which must be sequential
    - Courses with dotted outline are IND elective courses

14. Note:
    - IND 3660, IND 3480
    - PSY 1001, PSY 4410
    - These four courses can be taken before portfolio review
    - See student's advisor

15. 15 hours 16 hours 16 hours 13 hours 16 hours 14 hours 16 hours 14 hours