

Name: \_\_\_\_\_

ID#: \_\_\_\_\_

**GENERAL EDUCATION** (minimum 43 credits)

**ENGLISH LANGUAGE COMPETENCE:** (4 credits)

- English 101-Essay Writing is required of all students.

**Write in courses / credits:**

ENG 101 \_\_\_\_\_ / 4

**ARTS & HUMANITIES:**

A minimum of **15** credits, as follows:

- One course in Literature  
(Any 200- or 300-level English course except 202, 203, 204, 208, 301, 302, 303, 304, 308, 312; FR 303 and SP 303 may also be used to fulfill this requirement)
- One course in History.
- One course in Art, Film, Music or Theatre & Dance.
- Additional credits from Arts & Humanities: AMST, ART, COMM, ENG, FILM, FR, GER, HIST, JRN, ML, MU, PHIL, SP, TAD or an approved interdisciplinary course (WS 201\* or IDAH).

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**SOCIAL SCIENCES:**

A minimum of **12** credits in **three** or more Social Sciences disciplines: ANTH, ECON, GEOG, POSC, PSYC, SOC or an approved interdisciplinary course (WS 201\* or IDSS).

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**SCIENCES/MATHEMATICS:**

A minimum of **12** credits, as follows:

- One course in Biology.
- One course in Physical Science (ASTR, CHEM, GEOL, MET, PHYS)
- Additional credits from Sciences/Mathematics:  
ASTR, BIO, CHEM, CS, ENST, GEOL, MATH, MET, PHYS  
or an approved interdisciplinary courses (IDSM).

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MATH 120 \_\_\_\_\_ / \_\_\_\_\_

\_\_\_\_\_ / \_\_\_\_\_

(MATH 120-Applied Algebra & Trigonometry is required for the major)

\*WS 201 may be used once, to fulfill either an Arts & Humanities or a Social Sciences requirement.

**MAJOR REQUIREMENTS: 39 credits.** See catalog for full degree requirements.

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**CORE REQUIREMENTS: 6 credits**

**Select two of the following:**

- TDS 100: Exploring Technology
  - TDS 140: Introduction to Visual Communication
  - TDS 181: Safety Awareness
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**PRODUCT DESIGN AND DEVELOPMENT FOUNDATION: 12 credits**

- TDS 101: Manufacturing Processes
  - TDS 152: Product Design I
  - TDS 110: Electricity and Electronics Fundamentals
  - TDS 252: Product Design II
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**PRODUCT DESIGN AND DEVELOPMENT ELECTIVES: 18 credits**

*(Consult with TDS advisor to select courses of career interest to form a technical concentration. Possible focus areas include CAD/CAM, mechanical design, and electromechanical technology.)*

**Select a minimum of 18 credits from the following; 12 credits must be 200 level or above.**

- TDS 113: Digital Electronics
  - TDS 121: Drafting and Design Fundamentals
  - TDS 153: Machine Tool Processes
  - TDS 160: Introduction to Power and Energy
  - TDS 170: Intro to Woodworking Technology
  - TDS 210: Linear Integrated Circuits
  - TDS 212: Programmable Log Controllers
  - TDS 214: Instrumentation
  - TDS 217: Residential/Industrial Electricity
  - TDS 218: Compliance Engineering
  - TDS 222: Design Applications
  - TDS 228: Computer-Aided Drafting
  - TDS 251: Machine Tool Applications
  - TDS 253: Materials of Manufacturing
  - TDS 257: Metalworking Studio
  - TDS 270: Woodworking Processes
  - TDS 290: Special Topics
  - TDS 311: Motion Control Systems
  - TDS 312: Robotics/Automation
  - TDS 313: Microcomputers
  - TDS 320: Graphical Analysis
  - TDS 328: Three-Dimensional CAD
  - TDS 352: Product Design III
  - TDS 353: Methods Analysis
  - TDS 410: Embedded Control Systems
  - TDS 420: Mechanism Design
  - TDS 421: Tool Design
  - TDS 422: Advanced Mechanical Design
  - TDS 490: Advanced Special Topics
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**PRODUCT DESIGN AND DEVELOPMENT CAPSTONE: 3 credits**

**Select one of the following:**

- TDS 400: Manufacturing Enterprise
  - TDS 452: Product Design IV
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**MINOR:**

Students are encouraged to complete a minor or an organized cluster of courses related to their career interest. Suggested areas: Applied Computer Science, Management, Art and Safety Studies.

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**ELECTIVES:** Select additional courses of your choice to bring total number of credits earned to 126.