

Name: _____

ID#: _____

GENERAL EDUCATION

ENGLISH LANGUAGE COMPETENCE:

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

Write in/check off courses:

ENG 101 _____

ARTS & HUMANITIES:

A minimum of **five** courses totaling at least **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)

Four courses from Arts & Humanities, including:

- One course in History.
- One course in the Fine Arts (ART, FILM, MU or TAD).
- Two additional courses 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).

SOCIAL SCIENCES:

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

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

SCIENCES/MATHEMATICS:

A minimum of **four** courses totaling at least **12** credits, as follows:

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

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

MATH 120 _____

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

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 110: Electricity and Electronic Fundamentals
 - TDS 152: Product Design I
 - TDS 252: Product Design II
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PRODUCT DESIGN AND DEVELOPMENT ELECTIVES: 18 credits

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

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|--|--|
| <input type="checkbox"/> TDS 113: Digital Electronics | <input type="checkbox"/> TDS 270: Woodworking Processes |
| <input type="checkbox"/> TDS 121: Drafting and Design Fundamentals | <input type="checkbox"/> TDS 290: Special Topics |
| <input type="checkbox"/> TDS 153: Machine Tool Processes | <input type="checkbox"/> TDS 311: Motion Control Systems |
| <input type="checkbox"/> TDS 160: Introduction to Power and Energy | <input type="checkbox"/> TDS 312: Robotics/Automation |
| <input type="checkbox"/> TDS 170: Intro to Woodworking Technology | <input type="checkbox"/> TDS 313: Microcomputers |
| <input type="checkbox"/> TDS 210: Linear Integrated Circuits | <input type="checkbox"/> TDS 320: Graphical Analysis |
| <input type="checkbox"/> TDS 212: Programmable Log Controllers | <input type="checkbox"/> TDS 328: Three-Dimensional CAD |
| <input type="checkbox"/> TDS 214: Instrumentation | <input type="checkbox"/> TDS 352: Product Design III |
| <input type="checkbox"/> TDS 217: Residential/Industrial Electricity | <input type="checkbox"/> TDS 353: Methods Analysis |
| <input type="checkbox"/> TDS 218: Compliance Engineering | <input type="checkbox"/> TDS 410: Embedded Control Systems |
| <input type="checkbox"/> TDS 222: Design Applications | <input type="checkbox"/> TDS 420: Mechanism Design |
| <input type="checkbox"/> TDS 228: Computer-Aided Drafting | <input type="checkbox"/> TDS 421: Tool Design |
| <input type="checkbox"/> TDS 251: Machine Tool Applications | <input type="checkbox"/> TDS 422: Advanced Mechanical Design |
| <input type="checkbox"/> TDS 253: Materials of Manufacturing | <input type="checkbox"/> TDS 490: Advanced Special Topics |
| <input type="checkbox"/> TDS 257: Metalworking Studio | |
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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 recommended to complete a minor or an organized cluster of courses related to their career interest with a suggested focus on: Applied Computer Science, Management, Art and Safety Studies.

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