

MATERIALS SCIENCE
(Technology Education Majors)

- I. General Education:** A total of six to eight semester hours (6-8 SH) of courses may double count towards General Education and/or Major Requirements. General Education requirements are identified with an asterisk (*).
- II. Materials Science Secondary Academic Concentrations Requirements:18 SH**
- A. Technology:** Select minimum of three semester hours (3 SH) from the following:
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| TEC 3039 Materials Science (Required) | 3 SH (F;S) |
| IND 2120 Materials and Processes | 3 SH (F) |
| IND 3120 Materials and Processes II (<i>Prerequisite IND 2120, 2901</i>)..... | 3 SH (S) |
- B. Design:** Select minimum of three semester hours (3 SH) from the following:
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|---|------------|
| INT 1001 Visual Literacy I..... | 3 SH (F) |
| INT 1002 Visual Literacy II (<i>Prerequisite INT 1001</i>)..... | 3 SH (S) |
| IND 1010 CADD I: Imaging | 3 SH (F;S) |
| IND 2012 Product Design*..... | 3 SH (F;S) |
| IND 2120 Materials and Processes I..... | 3 SH (F) |
| IND 2201 Design Drawing I..... | 3 SH (F;S) |
| IND 2301 Model Making..... | 3 SH (F;S) |
| (2301 for students pursuing a concentration in Product Design) | |
| IND 2411 Introduction to Design Studio#..... | 3 SH (F;S) |
| IND 2421 Preliminary Design Studio#..... | 3 SH (F;S) |
| (# indicates prerequisite INT 1001, 1002, IND 2201) | |
- C. Engineering Oriented:** Select minimum of three semester hours (3SH) from the following:
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| TEC 3738 Statics and Strength of Structures | 3 SH (F;S) |
| (<i>Prerequisite MAT 1025, PHY 1104, TEC 1728, 2708, 2758, 3039</i>) | |
| IND 2311 Human Factors in Design | 3 SH (F) |
| IND 2321 Physical Principles for Designers | 3 SH (S) |
| IND 3911 Rapid Prototyping (<i>Prerequisite IND 2901</i>)..... | 3 SH (On Demand) |
| IND 4557 Design for Manufacture (<i>Prerequisite IND 3701</i>)..... | 3 SH (F) |
| TEC 3500 Independent Study | 1-4 SH (F;S) |
| TEC 3552 Technical Assistant (<i>Prerequisite TEC 3422</i>)..... | 1 SH (F;S) |
| PHY 1103-PHY 1104 General Physics I-II* | 4-4SH (F;S) |
| (<i>PHY 1104: Prerequisite PHY 1103, Co-requisite MAT 1020, 1025</i>) | |

Other courses may be considered with consultation of the major advisor.

Contact Person:

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