

**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 I.....                               | 3 SH (F)   |
| IND 3120 Materials and Processes II ( <i>Prereq: IND 2000</i> ) ..... | 3 SH (F;S) |
- B. Design:** Select minimum of three semester hours (3 SH) from the following:
- |  |            |
|--|------------|
| INT 1001 Visual Literacy I.....                                | 3 SH (F)   |
| INT 1002 Visual Literacy II ( <i>Prereq: 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, INT 1002, IND 2201)        |            |
- C. Engineering Oriented:** Select minimum of three semester hours (3SH) from the following:
- |  |                  |
|--|------------------|
| TEC 3738 Statics and Strength of Structures .....                        | 3 SH (F;S)       |
| ( <i>Prereq: MAT 1020, PHY 1103, TEC 1708, 1728, 2758, 3039</i> )        |                  |
| IND 2311 Human Factors in Design .....                                   | 3 SH (F)         |
| IND 2321 Physical Principles for Designers .....                         | 3 SH (On Demand) |
| IND 3911 Rapid Prototyping ( <i>Prereq: IND 2901</i> ) .....             | 3 SH (On Demand) |
| IND 4557 Design for Manufacture ( <i>Prereq: IND 2000</i> ) .....        | 3 SH (F)         |
| TEC 3500 Independent Study.....  | 1-4 SH (F;S)     |
| PHY 1103 - PHY 1104 General Physics I-II* .....                          | 4-4SH (F;S)      |
| ( <i>PHY 1103: Co-req MAT 1020 or 1025; PHY 1104: Prereq: PHY 1103</i> ) |                  |

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

Contact Person:

Dr. Jerianne Taylor  
taylorjs@appstate.edu