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:

- TEC 3039 Materials Science (Required) .......................................................3 SH (F;S)
- IND 2120 Materials and Processes I ..............................................................3 SH (F)
- IND 3120 Materials and Processes II (Prereq: IND 2000) .........................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 (Prereq: INT 1001) ........................................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)
  (Prereq: MAT 1020, PHY 1103, TEC 1708, 1728, 2758, 3039)
- IND 2311 Human Factors in Design ............................................................3 SH (F)
- IND 2321 Physical Principles for Designers ................................................3 SH (On Demand)
- IND 3911 Rapid Prototyping (Prereq: IND 2901) ........................................3 SH (On Demand)
- IND 4557 Design for Manufacture (Prereq: IND 2000) ............................3 SH (F)
- TEC 3500 Independent Study ......................................................................1-4 SH (F;S)
- PHY 1103 - PHY 1104 General Physics I-II* ..............................................4-4SH (F;S)
  (PHY 1103: Co-req MAT 1020 or 1025; PHY 1104: Prereq: PHY 1103)

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

Contact Person:
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