

SECOND ACADEMIC CONCENTRATION

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. Graphic Communications Secondary Academic Concentrations Requirements:18 SH**

- A. Technology:** Select minimum of three semester hours (3 SH) from the following:

TEC 2116 Ceramic Technology	3 SH (F;S)
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:

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:

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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