

**SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)**  
**(Technology Education Majors)**

- I. General Education:** A total of eight semester hours (8 SH) of course may double count towards General Education and/or Major Requirements. General Education courses are identified with an asterisk (\*).
- II. Science, Technology, Engineering, and Mathematics (STEM) Second Academic Concentration Requirements:.....18 SH**

**A. Science:** Select a minimum of four semester hours (4 SH) from the following:

BIO 1201 or equivalent*.....	3 SH (F;S)
BIO 1202 or equivalent*.....	3 SH (F;S)
BIO 1203 or equivalent*.....	2 SH (F;S)
CHE 1101 or equivalent*( <i>Pre/co-requisite CHE 1110</i> ).....	4 SH (F;S)
CHE 1102 or equivalent*.....	4 SH (F;S)
<i>(Prerequisite CHE 1101, 1110; Pre/Co-requisite CHE 1120)</i>	
PHY 1103 or equivalent*( <i>Co-requisite MAT 1020 or 1025</i> ).....	4 SH (F;S)
PHY 1104 or equivalent*( <i>Prerequisite PHY 1103</i> ).....	4 SH (F;S)

**B. Technology:** Select a minimum of six semester hours (6 SH) from the following:

Any TEC, GRA or IND course 2000 level or higher

**C. Engineering:** Select a minimum of three semester hours (3 SH) from the following:

IND 2301 Model Making.....	3 SH(F;S)
IND 3120 Materials and Processes II ( <i>Prerequisite IND 2120, 2901</i> ).....	3 SH (S)
TEC 3738 Statics and Strength of Structures .....	3 SH (F;S)
<i>(Prerequisite MAT 1025, PHY 1104, TEC 1728, 2708, 2758, 3039)</i>	
TEC 4607 Wind & Hydro Power Technology .....	3 SH (F;S)
<i>(Prerequisite TEC 1728, 2029, 2601, 2708, 2718, 3638)</i>	
TEC 4608 Photovoltaic System Design and Construction .....	3 SH (F;S)
<i>(Prerequisite TEC 1728, 2029, 2601, 2708, 2718, 3638)</i>	
TEC 4618 Sustainable Building Design and Construction.....	3 SH (F;S)
<i>(Prerequisite TEC 2708, 2718)</i>	
TEC 4628 Solar Thermal Energy Technology .....	3 SH (S)
TEC 4700 Biofuels Technology ( <i>Prerequisite TEC 2601, 3638</i> ).....	3 SH (F;S)

**D. Mathematics:** Select a minimum of three semester hours (3 SH) from the following:

Any MAT Course 1025* or higher.....	4 SH
STT 2810 Introduction to Statistics* .....	3 SH

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

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