

**SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)**

- 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:
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| 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*<br>( <i>Prerequisite CHE 1101, 1110; Pre/Co-requisite CHE 1120</i> ) | 4 SH (F;S) |
| 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, PHO, INT or IND course 2000 level or higher
- C. Engineering:** Select a minimum of three semester hours (3 SH) from the following:
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|--|------------|
| 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<br>( <i>Prerequisite MAT 1025, PHY 1104, TEC 1728, 2708, 2758, 3039</i> )  | 3 SH (F;S) |
| TEC 4607 Wind & Hydro Power Technology<br>( <i>Prerequisite TEC 1728, 2029, 2601, 2708, 2718, 3638</i> )               | 3 SH (F;S) |
| TEC 4608 Photovoltaic System Design and Construction<br>( <i>Prerequisite TEC 1728, 2029, 2601, 2708, 2718, 3638</i> ) | 3 SH (F;S) |
| TEC 4618 Sustainable Building Design and Construction<br>( <i>Prerequisite TEC 2708, 2718</i> )                        | 3 SH (F;S) |
| 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:
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|--------------------------------------|------|
| 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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