

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 1101 or equivalent*.....4 SH (F;S)
- BIO 1102 or equivalent*.....4 SH (F;S)
- CHE 1101 or equivalent*(*Pre/co-requisite CHE 1110*).....4 SH (F;S)
- CHE 1102 or equivalent*.....4 SH (F;S)
 (*Prerequisite CHE 1101, 1110; Pre/Co-requisite CHE 1120*)
- PHY 1103 or equivalent*(*Co-requisite MAT 1020 or 1025*)4 SH (F;S)
- PHY 1104 or equivalent*(*Prerequisite PHY 1103*).....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 (*Prerequisite IND 2120, 2901*)3 SH (S)
- TEC 3738 Statics and Strength of Structures3 SH (F;S)
 (*Prerequisite MAT 1025, PHY 1104, TEC 1728, 2708, 2758, 3039*)
- TEC 4607 Wind & Hydro Power Technology3 SH (F;S)
 (*Prerequisite TEC 1728, 2029, 2601, 2708, 2718, 3638*)
- TEC 4608 Photovoltaic System Design and Construction3 SH (F;S)
 (*Prerequisite TEC 1728, 2029, 2601, 2708, 2718, 3638*)
- TEC 4618 Sustainable Building Design and Construction.....3 SH (F;S)
 (*Prerequisite TEC 2708, 2718*)
- TEC 4628 Solar Thermal Energy Technology3 SH (S)
- TEC 4700 Biofuels Technology (*Prerequisite TEC 2601, 3638*).....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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