

SUSTAINABLE DESIGN AND TECHNOLOGY

- I. **General Education:** Three semester hours (3 SH) of courses may be applied to satisfy General Education requirements. General Education requirements are identified with an asterisk (*).
- II. **Sustainable Design and Technology Second Academic Concentration:..... 18 SH**

A. Technology

Select a minimum of three semester hours (3 SH) from the following:

TEC 2029 Society and Technology*	3 SH (F;S)
TEC 2188 Transportation Systems & Devices	3 SH (F)
TEC 2601 Energy Issues and Technology*	3 SH (F;S)
SD 2400 Principles of Sustainable Development*	3 SH (F;S)
SD 2610 Science for Sustainability (<i>Prerequisite MAT 0010 or placement test</i>)	3 SH (F;S)
TEC 1708 Construction Technology & Building Codes	3 SH (F;S)
TEC 2718 Building Mechanical Systems	3 SH (F;S)

B. Design

Select a minimum of three semester hours (3 SH) from the following:

TEC 1728 Architectural Graphics and Computer Modeling (<i>Co/Pre-requisite TEC 1708</i>)	3 SH (F;S)
TEC 3728 Residential Architecture (<i>Prerequisite 1708 NS 1728</i>)	3 SH (F;S)
PLN 2410 Town, City, Regional Planning	3 SH (F;S)
IND 1010 CADD I: Imaging	3 SH (F;S)
INT 1300 Design & Built Environment	3 SH (F)

C. Engineering Oriented

Select a minimum of 3 SH from the following:

TEC 3604 Sustainable Transportation (<i>Prerequisite TEC 2601, 3638</i>)	3 SH (F;S)
TEC 3605 Sustainable Resource Management (<i>Prerequisite TEC 2029</i>)	3 SH (F)
TEC 3606 Sustainable Water & Wastewater Technology (<i>Prerequisite TEC 2029</i>)	3 SH (S)
TEC 3638 Foundations of Appropriate Technology* (<i>Prerequisite TEC 2029, 2601, RC 2001</i>)	3 SH (F;S)
TEC 3748 Building Science (<i>Prerequisite TEC 1708, 2718, MAT 1020</i>)	3 SH (F;S)
TEC 4607 Wind & Hydro Power Technology (<i>Prerequisite TEC 1708, 1728, 2029, 2601, 2718, 3638</i>)	3 SH (F;S)
TEC 4608 Photovoltaic System Design & Construction (<i>Prerequisite TEC 1708, 1728, 2029, 2601, 2718, 3638</i>)	3 SH (F;S)
TEC 4618 Sustainable Building Design & Construction (<i>Prerequisite TEC 1708, 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)
TEC 4711 Computer Modeling of Renewable Energy Systems (<i>Prerequisite TEC 2601, 3638</i>)	3 SH (F;S)

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

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