Bachelor of Science Degree Code Concentration Non-Teaching		577 * 577D	Program of Study for Dept. of Sustainable Tech & The Built Env Building Sciences Sustainable Building Systems
I.	GENERAL EDUCATION (PHY 1103 & 1104 for the major fulfills Science Inquiry. MAT 1020 fulfills Quantitative Literacy. TEC 2029, PHL 2015, PHY 1830 may count in Gen Ed: ILE; TEC 2601 and ECO 2620 may count toward Gen Ed: Liberal Studies Experience).		
II.	MAJOR REQUIRE (An overall 2.0 GPA is	EMENTS	Laptop computers are required).
	Junior Writing in the Discipline (WID) & Senior Capstone Experience (CAP) must be met.		
		work (15 sh) Minimum grade of "C-" in each course is required	
		4) College Algebra with Applications (or higher) (Prerequisite: pass n	
	TEC 2029(3	Society & Technology (Gen Ed: Integrative Learning Experience: Sustainable	ility & Global Resources; Social Sciences Designation)
		 General Physics I (Corequisite: MAT 1020 or MAT 1025 (or equivalent) General Physics II (Prerequisite: PHY 1103 or equivalent) (Gen Ed: So 	
	1111 1104(t) General Filysics II (Frerequisite, 1111-1103 of equivalent) (Gen Ed. Sc	ciciec i dispective)
		ework (21 sh) Minimum grade of "C" in each course is required	
		3) Construction Technology & Building Codes	
		3) Architectural Graphics & Computer Modeling (Pre/Corequisite: The Corequisite: The Computer Modeling (Pre/Corequisite: The Computer Modeling (Pre/Corequisite: The Corequisite: The Co	
	TEC 2601(.	B) Energy Issues & Technology (Gen Ed: Liberal Studies Experience)	ce)
	TEC 2758 (3	B) Building Mechanical Systems B) Surveying, Soils and Foundations (Prerequisite: MAT 1020)	
		B) Commercial Construction Technology (Prerequisite: MAT 1020, TE	C 1708, TEC 2758)
	TEC 3039(3) Materials Science	
	Advanced Coursew	ork (30 sh) Minimum grade of "C" in each course is required	
		3) Construction Estimating (Prerequisite: MAT 1020 or higher, TEC 1708, 30	38 knowledge of word processing & spreadsheets)
		3) Architectural Design Studio I (Prerequisites: TEC 1708, 1728 or per	
		3) Statics & Strength of Structures (Prerequisite: MAT 1020, PHY 110	93, TEC 1708, 1728, 2758, 3039)
		Building Science (WID) (Prerequisite: TEC 1708, 2718, MAT 1020 or high	her, or permission of the instructor; RC 2001 or its equivalent)
		B) Leadership in Technical Settings	-00
		 Sustainable Building Design & Construction (Prerequisite: TEC 1') Planning and Scheduling (Prerequisite: MAT 1020 or higher, TEC 1') 	
		3) Integration of Energy and Building Systems (Prerequisite: TEC 37	
		5) Internship (CAP)	.,,,
	Major Electives (12	sh from the following)	
	TEC 3035(1-3) Architectural Field Study (Prerequisite: TEC 3728 or permission of the	
		1-3) Construction Management Field Study (Prerequisite: TEC 3728 or p	
	`	1-3) Sustainable Building Systems Field Study (Prerequisite: TEC 3728	or permission of the instructor)
	· · · · · · · · · · · · · · · · · · ·	 1-3) Instructional Assistant Foundations of Sustainable Technology (Prerequisites: TEC 2029 and TEC 2 	(A)
		1) Construction Safety	2001, or permission of the instructor, and RC 2001 or its equivalent.)
		B) Photovoltaic System Design & Construction (Prereq: TEC 1708, TEC 1728)	8, TEC 2029, TEC 2601, TEC 2718, TEC 3638 or permission of the instructor.)
	TEC 4628(Solar Thermal Energy Technology (Prerequisites: TEC 1708, TEC 1728, TEC	2029, TEC 2601, TEC 2718, and TEC 3638 or permission of the instructor.)
		B) Computer Modeling of Renewable Energy (Prerequisites: TEC 3638 or per	mission of the instructor.)
		B) Survey of Accounting	
		B) Legal Environment of Business B) Environmental Physics (Prerequisite: PHY 1104 or 1154)	
		3) Other courses in the Dept. of STBE related to sustainability or er	nvironmental topics approved by the
	\	n coordinator	Major requirements that may count toward Gen. Ed:
			MAT 1020 (4) Quantitative Literacy (fulfills) PHY 1103 (4) Science Perspective
	Interdisciplinary Co		PHY 1104 (4) Science Perspective
	`	B) Environmental Resource Economics (Gen Ed: Liberal Studies Experience; SSI Environmental Ethics (Gen Ed: ILE: Sustainability & Global Resources)	TEC 2601 (3) Liberal Studies Experience
		B) Physical Principles of Energy & Sustainability (Gen Ed: ILE: Sustainability (Gen Ed: ILE: Sustainability)	PHL 2015 (3) ILE: Sustainability PHY 1830 (3) ILE: Sustainability
		Global Resources)	ECO 2620 (3) Liberal Studies Experience; SSD Total Major Hrs: 87
			Gen Ed: up to <u>-27</u>
			Net Major Hrs: 60
III.	MIONR NOT REQ	<u> UIRED</u> – Recommended minors are General Business or Commu	unity and Regional Planning
IV.	FREE ELECTIVES	S	<u>2 - 15</u>
. •		outside the major discipline are required.	122