

SDT Curriculum – Common Cores

16 October 2006

New courses are highlighted in gray.

Catalog Number	Course	Cr	Semester (S or F)	Prerequisites
Sustainability Core				
SDT-1000	SDT Orientation	1	F	Junior Standing
SDT-3XXX	Mediation & Communication	3	S	Junior Standing
SDT-3XXX	Green Energy Technical Survey	3	F	Junior Standing
SDT-3XXX	Green Sites Technical Survey	3	S	Junior Standing
SDT-3XXX	Green Buildings Technical Survey	3	F	Junior Standing
SDT-3XXX	SDT Internship	1	Summer	Junior Standing
SDT-4XXX	SDT Design Studio I	3	S	Green Energy Survey
SDT-4XXX	SDT Design Studio II	3	S	All Surveys, Design I

Eng/Mat/Sci				
ENG-2080	Technical Communications	3	F/S/S	ENG-1060/1061
MAT-1420 or MAT-1221	Technical Mathematics (GS Track) Finite Mathematics (GS Track)	5 3	F/S F	Placement Placement
MAT-1520	Calculus for Engineering (GE & GB Tracks)	4	F/S	MAT-1420 or -1113
MAT-2021	Statistics	3	S	MAT-1420
BIO-1020	Environmental Science	3	F	--
CHE-1020	Introduction to Chemistry <i>or</i>	4	S	--
CHE-1031	General Chemistry	4	F/S	--
PHY-1041	Physics I	4	F/S/S	MAT-1420 (<i>or -1221?</i>)

Business Core	Choose 5:			
ACC-1020	Survey of Accounting	3	F/S	--
BUS-2020	Principles of Management	3	F	--
BUS-2210	Small Business Management	3	F/S	--
BUS-2230	Principles of Marketing	3	F/S	--
BUS-2260	Principles of Financial Mgt.	3	F	ACC-1020 or -2121
BUS-2270	Organizational Communication	3	F	ENG-1061
BUS-2410	Human Resources Management	3	S	--
BUS-2440	Introduction to Business Law	3	F/S	--
BUS-4530 or ARC-4020	Technical Project Management Architectural Engineering Mgt.	3 3	Req. F	BUS-2020 ARC-2040

Suggested Electives				
ENG-1070	Effective Speaking	3	F/S	--
ENV-3050	Issues in Environmental Studies	3	Req.	Junior Standing
SSC-2030	Energy & Society	3	Req.	--

SDT Curriculum – Green Tracks

New courses are 'highlighted' in gray.

Catalog Number	Course	Cr	Semester (S or F)	Prerequisites
Green Energy				
ARC-3050	Fluids & Thermodynamics**	4	F	MAT-1520, PHY-1042
ELM-3015	Sensors & Instrumentation	3	F	MAT-1520, PHY-1042, ELT-1110 or -2072
ELM-4015	Electromech Power Sys	4	F	Senior Standing in BSELM or permission
SDT-3XXX	Renewable Energy Systems	4	S	ARC-3050 or equiv., ELT-2072
Choose 1:				
ATT-2010	Engine Performance	4	F	PHY-1030
ARC-2031	Environmental Systems I	3	F	Co: PHY-1043
MEC-1020	Manufacturing Processes**	2	F	None

**EET

Green Buildings				
ARC-3010	Design Systems Integration	3	S	ARC-2051, -2032, CET-2120
ARC-3040	Electrical/Lighting Systems	3	S	ARC-2032, -3110 , ELT-3020
ARC-3050	Fund. Fluids & Thermodynamics	4	S	MAT-1520, PHY-1043
ARC-4030	HVAC Systems	4	F	ARC-2032, -3050, -3110
ARC-4XXX	Controls & Commissioning	3	F	Senior standing, ARC-4030, -3040
ELT-3020	Elec. Circuits & Controls	4	S	MAT-1520

Green Sites				
SDT-3XXX	Permitting	2	F	Junior Standing
SDT-3XXX	Environmental Soils	3		Junior Standing
SDT-3XXX	Water / Wastewater	3		Junior Standing
SDT-3XXX	Groundwater / Stormwater	3		Junior Standing
Options				
AGR-2040	Forages (C,L)	3	F	--
AGR-2720	Issues & Trends in Agriculture (C,L)	2	F	Sophomore Standing
CET-1031	Eng. & Survey. Comp. Apps. I (D)	3	F	--
CET-1032	Eng. & Survey. Comp. Apps II (D, L)	3	S	CET-1031
LAH-1020	Intro. to Horticulture (C, D)	3	F	--
LAH-1021	Landscape Graphics (C, D)	3	F	--
LAH-1040	Greenhouse Management (?)	4	S	--

C = CET, D = DFM, L = LAH