

Sustainability Technologies - Diploma

Academic Development

if applicable

DRE 096
DRE 097
DRE 098
DMA 010
DMA 020
DMA 030
DMA 040
DMA 050
DMA 060
DMA 070
DMA 080

First semester

Course name	Prerequisite	Credit hours	Contact hours	Semester offered
BIO 140 - Environmental Biology	None	3	3	Fall, Spring
BIO 140A - Environmental Biology Lab	None	1	3	Fall, Spring
SST 110 - Intro to Sustainability	None	3	3	Fall, Spring, Summer
SST 140 - Green Building and Design Concepts	None	3	3	Fall, Spring, Summer

Second semester

Course name	Prerequisite	Credit hours	Contact hours	Semester offered
MAT 121 - Algebra/ Trigonometry I (or)	DMA 010-060 or satisfactory placement test scores	3	4	Fall, Spring

MAT 171 - Precalculus Algebra	DMA 010-080 or satisfactory placement test scores	4	5	Fall, Spring
SST 120 - Energy Use Analysis	None	3	4	Spring, Summer
SST 130 - Modeling Renewable Energy	None	3	4	Spring

Third semester

Course name	Prerequisite	Credit hours	Contact hours	Semester offered
ALT 120 - Renewable Energy Technology	None	3	4	Fall
CST 221 - Statics and Structures	MAT 121 or MAT 4 171 and ARC 112 or CAR 112 or CST 112		6	Fall
ELC 220 - Photovoltaic Sys Tech	None	3	5	Fall
ENG 111 - Writing and Inquiry	DRE 098 or satisfactory placement test scores	3	3	Fall, Spring, Summer
PHY 131 - Physics- Mechanics	MAT 121 or MAT 4 171		5	Fall, Spring
PHY 151 - College Physics I	MAT 171	4	5	Fall, Spring
SST 210 - Issues in Sustainability	SST 110	3	3	Fall

Fourth semester

Course name	Prerequisite	Credit hours	Contact hours	Semester offered
ALT 250 - Thermal Systems	None	3	4	Spring
ELC 221 - Advanced PV Sys Design	ELC 220	3	3	Spring

Program contact

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Pathway types

Related Programs

No listed related programs

Electives: