San Juan College Renewable Energy Program
AAS in Photovoltaic System Design and Installation

- Supersedes College Catalog -

Course Scheduling for Photovoltaic System Design and Installation Degre				
Fall 2005				
Course	Title	Pre- & Co-requisites	Offered	Credits
1st Semester (Fall)				
PHYS 111	Introduction to Physics	Pre-req: MATH 096 or Accuplacer placement	F,Sp,Sum	4
MATH 116	Math for High Tech Careers	Pre-req: MATH 096 or Accuplacer placement	F,Sp	3
COSC 125	Business Microcomputer Applications	None	F,Sp,Sum	3
INST 140	Applied Basic Electronics - DC	Co-req: MATH 096	F,Sp,Sum	3
	Humanities / Social Science Elective	None		3
			Total	**16**
2nd Semester (Spring)				
INST 145	Applied Basic Electronics - AC	Pre-req: INST 140; Co-req: MATH 115 or 116	F,Sp,Sum	3
CHEM 110	Introductory Chemistry	Pre-req: MATH 096 or Accuplacer placement	F,Sp,Sum	4
SPCH 111	Interpersonal Communication	None	F,Sp,Sum	3
ENGL 118	Technical Composition	Pre-req: ENGL 099 or Accuplacer placement	F,Sp,Sum	3
			Total	**13**
3rd Semester (Fall)				
ENGL 218	Advanced Technical Composition	Pre-req: ENGL 118	F,Sp,Sum	3
INST 141	National Electrical Code I	None	F	3
RENG 210	Renewable Energy Applications	Pre-req: PHYS 111, COSC 125	F	4
RENG 240	PV Installation and the NEC I	Co-req: INST 141 & 145	F	3
RENG 170	Instrumentation and Control	Co-req: INST 145	F	3
			Total	**16**
4th Semester (Spring)				
INST 142	National Electrical Code II	Pre-req: INST 141	Sp	3
RENG 171	AC and DC Machines	Pre-req: INST 145	Sp	3
RENG 220	PV Theory and System Design	Pre-req: RENG 210, INST 145; Co-req: INST 142	Sp	4
RENG 241	PV Installation and the NEC II	Pre-req: RENG 240, INST 145; Co-req: INST 142	Sp	3
	Renewable Energy Elective *			3
			Total	**16**
	* Choose from: RENG 270, RENG 299, BIOL 230			
			Total for Degree	**61**
Note:	A student must earn a grade of "C" or higher in all RENG, INST,			
	and PHYS courses in order to receive a degree or certificate			

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