



Course Description

Legend

Course Title	[A – B – C]	Course #:	Prereq.:
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A: Theoretical hrs

B: Practical hrs

C: Credit hrs

Third: Specialized requirements (109 hours)

A. Compulsory requirements (100 hours)

Energy Engineering Software [3 – 0 – 1]	Course #:0906303	Prereq.:
This course covers the main functions of different electrical, electronic, and energy systems using PSCAD software. This includes the main PSCAD functions and how to apply the special topics in electrical and energy engineering with the aid of PSCAD. The simulations and tests will be covered for single phase\ three-phase systems, fault analysis, PV array simulation, and MPPT implementation. In addition the understanding and the use of PVsyst tool to design a practical PV system will be included.		