

**Assessment Plan and Support of Program Outcomes by Technical Courses in the Major
Electrical Engineering Technology, Smart Grid Program**

Program Outcomes	Required Courses															
	ENT300 Analytical Methods	ENT301 Mechanics I	ENT330 Electrical Circuits Analysis I	ENT332 Electrical Circuits Analysis II	ENT 341 Electronics	ENT342 Advance Circuits Analysis	ENT371 Electric Machines	ENT345 Digital Systems	ENT346 Microcontrollers	ENT445 Power Electronics	ENT461 Control Systems I	ENT462 Control Systems II	ENT465 Electrical Design I	ENT466 Electrical Design II	ENT471 Power Systems I	ENT472 Power Systems II
1. An ability to apply knowledge, techniques, skills and modern tools of mathematics, science, engineering, and technology to solve broadly-defined engineering problems appropriate to the discipline			X I	X R	X I	X R	X R	X R		X R	X M	X M	X M	X M	X M	X M
X M2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline					X R				X R				X M	X M	X M	X M
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and an ability					X R				X R		X M	X M	X M	X M	X M	X M

to identify and use appropriate technical literature																
4. An ability to conduct standard tests, measurements, and experiments and to analyze and interpret the results to improve processes			X I	X R	X I		X R	X M	X M	X M	X M	X M				
5. An ability to function effectively as a member or leader on a technical team								X M					X M	X M	X M	X M

Note: I – Introduction, R – Reinforcement, M – Mastery. Color-filled cells indicate that these courses are used for assessment.