Assessment Plan and Support of Program Outcomes by Technical Courses in the Major

Electrical Engineering Technology, Electronics Program

Program Outcomes		Required Courses															
	ENT300 Analytical Methods	ENT301 Mechanics 1	ENT330 Electrical Circuits Analysis I	ENT332 Electrical Circuits Analysis II	ENT 341 Electronics	ENT342 Advance Circuits Analysis	ENT351 Analog Electronics Circuits	ENT452 Analog Electronic Sys. Design and Analysis	ENT371 Electric Machines	EN345 Digital Systems	ENT346 Microcontrollers	ENT441 Comm. Transmission Tech	ENT 442 RF and Microwave Comm.	ENT 4466 Digital Sys Design and Analysis.	ENT 461 Control Systems I	ENT 462 Control Systems II	ENT 465 Electrical Design I	ENT 466 Electrical Design 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 R	X R	X I	X R	X I	X R	X R	X R	X R	X R	X R	X M	X M		X M	X M	X M	X M
2. An ability to design systems, components, or processes meeting specified needs for broadly-defined engineering problems appropriate to the discipline					X I												X M	X M
3. An ability to apply written, oral, and graphical communication in broadly-defined technical and non-					X R			X I	X R						X M	X M	X M	X M

technical environments; and an ability 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 I	X R	X M	X M		X M	X M		
5. An ability to function effectively as a member or leader on a technical team							X R	X M		X R	X M				X R		X M	X M

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