CET & EET OUTCOMES ASSESSMENT SUMMARY

The following chart summarizes results of outcomes assessment based on direct measures for the Bachelor of Science in Computer Engineering Technology (CET) and the Bachelor of Science in Electronics Engineering Technology (EET). Outcomes a-k are common to both programs. The outcomes specific to the EET program are noted below as EETa-EETe. The target indicates the desired percentage of total graduates who have mastered the identified skill. Any outcomes which do not meet the target level are reassessed after curricular and process changes identified in the assessment cycle are implemented.

Bachelor of Science in Computer Engineering Technology & Bachelor of Science in Electronics Engineering Technology					
Outcome	Target	2016 Result	2017 Result	2018 Result	2019 Result
a) An ability to select and apply the knowledge, techniques, skills and modern tools of the discipline to broadly-defined engineering technology activities.	75%	73%	91%		95%
b) An ability to select and apply a knowledge of mathematics, science, engineering and technology to engineering technology problems that require the application of principles and applied procedures or methodologies.	75%	79%	100%		98%
c) An ability to conduct standard tests and measurements; to conduct, analyze and interpret experiments; and to apply experimental results to improve processes.	75%	71%	90%		100%
d) An ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives.	75%			88%	100%
e) An ability to function effectively as a member or leader on a technical team.	75%	75%	96%		94%
f) An ability to identify, analyze, and solve broadly-defined engineering technology problems.	75%		88%		
g) An ability to apply written, oral and graphical communication.	75%	86%		77%	94%
h) An understanding of the need for and an ability to engage in self-directed continuing professional development.	75%			79%	100%
i) An understanding of, and a commitment to, addressing professional and ethical responsibilities including a respect for diversity.	75%		89%		
j) A knowledge of the impact of engineering technology solutions in a societal and global context.	75%		90%		

k) A commitment to quality, timeliness and continuous improvement.	75%			77%	
EETa) The application of circuit analysis and design, computer programming, associated software, analog and digital electronics, and microcomputers, and engineering standards to the building, testing, operation and maintenance of electrical/electronic(s) systems	75%			87%	
EETb) The applications of physics or chemistry to electrical/electronic(s) circuits in a rigorous mathematical environment at or above the level of algebra and trigonometry	75%		100%		
EETc) The ability to analyze, design, and implement control systems, instrumentation systems, communications systems, computer systems or power systems.	75%	95%			96%
EETd) The ability to apply project management techniques to electrical/electronic(s) systems	75%			71%	
EETe) The ability to utilize statistics/probability, transform methods, discrete mathematics, or applied differential equations in support of electrical/electronic(s) systems or computer systems and networks.	75%		92%		