

2.2 Program Educational Objectives

The faculty of the Electrical and Computer Engineering Technology Department has adopted the following Program Educational Objectives for graduates of Computer Engineering Technology program (CpET)

1. Possess an appropriate knowledge of the fundamentals of computer engineering technology, mathematics, science and technologies in order to adapt to rapidly changing technologies.
2. Function and communicate effectively, both individually and within team, demonstrating ethical, respectful and professional behavior in all environments and associations.
3. Apply creativity in the design, testing and maintenance of computer engineering technology systems, and think critically to identify, evaluate and solve complex technical and non-technical problems.
4. Recognize the need for a commitment to pursue continuous self-improvement and lifelong learning.
5. Be cognizant of contemporary professional, societal and global issues and be aware of and respect diverse cultures.
6. Obtain and maintain a meaningful employment in their respective disciplines and attain increasing levels of responsibility and leadership in chosen career fields.

Program Outcomes	ABET a-k	program specific criteria
1. Demonstrate an appropriate knowledge of the fundamentals of computer engineering technology, mathematics and science.	b	A ₁ , B ₁ C ₂
2. Demonstrate an appropriate mastery of knowledge, techniques, skills and modern tools of the technical components of the curriculum.	a	A ₂ ,C ₂ A ₁
3. Use appropriate tools and laboratory equipment to acquire data, conduct experimental measurements, analyze data, and interpret the results.	a, c	
4. Demonstrate the ability to think critically and generate creative and realistic solutions to defined problems and projects appropriate to computer engineering technology	d, f	A ₂ , B ₂
5. Produce written documents, deliver oral presentations, prepare and interpret visual information	c, g, k	
6. Function effectively on teams.	e, g	
7. Recognize the value of diversity, and identify ethical and social issues in business and technical tasks.	i, j	
8. Demonstrate a commitment to quality timeliness and continuous improvement	k	