

Standing Requirements

## Outcomes Library

### BS in Engineering Technology - Dec 2014

#### **Obj. 1: Apply disciplinary reasoning, critical thinking, and hands-on skills to identify, analyze and solve problems. (Technology).**

Outcome	Mapping
a. (1.1) An ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline An ability to select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly-defined engineering technology activities	No Mapping
b.(1.2)An ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems 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	No Mapping
c.(1.3)An ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply results An ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes	No Mapping
d.(1.4)An ability to design systems, components, or processes for broadly-defined engineering technology problems An ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives	No Mapping
f.(1.5)An ability to identify, analyze, and solve broadly-defined engineering technology problems	No Mapping

#### **Obj. 2: Communicate effectively in both oral and written form to articulate technical knowledge, ideas, and proposals (Communication)**

Outcome	Mapping
g. (2.1) An ability to apply written, oral, and graphical communication; and an ability to use technical literature An ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature	No Mapping

#### **Obj. 3: Consider professional, ethical and social responsibility of engineering technology practices**

Outcome	Mapping
i.(3.1)An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity	No Mapping

j. (3.2)A knowledge of the impact of engineering technology solutions in a societal and global context No Mapping

**4. Perform effectively, think independently and work collaboratively in a team environment in a membership or leadership role (Mng / Team)**

Outcome	Mapping
e.(4.1)An ability to function effectively as a member or leader on a technical team	No Mapping

**5. Actively participate in professional development, including continuous self-improvement and lifelong learning (Lifelong Learning).**

Outcome	Mapping
h.(5.1)An understanding of the need for and an ability to engage in self-directed continuing professional development	No Mapping
k.(5.2)A commitment to quality, timeliness, and continuous improvement.	No Mapping

**BS in Engineering Technology Outcome Set**

**Objective 8. Social Responsibilities**

An ability to understand professional, ethical and social responsibilities

Outcome	Mapping
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