

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

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

Outcome	Mapping
<p>g. (2.1) An ability to apply written, oral, and graphical communication; and an ability to use technical literature</p> <p>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</p>	No Mapping

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

Outcome	Mapping
<p>i.(3.1)An understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity</p>	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
---------	---------

Last Modified: 12/15/2014 09:02:15 AM CST