

Standing Requirements

Outcomes Library

BS in Computer Engineering Technlgy Outcome Set

OBJ 1: Problem solving skills

Students will learn problems solving skills.

Outcome	Mapping
Outcome 1.1: Computer systems and networks Students will apply algebra, discrete math, and basic law of physics to build, test, and operate electric circuits, computer systems and networks.	Foundational Studies: IIIa. Quantitative Literacy
Outcome 1.2: Computer languages Students will program in low/high-level computer languages to build microcontroller based applications and digital logic circuits.	No Mapping
Outcome 1.3: Technical data management Students will understand database principles and working mechanisms for technical data management.	No Mapping

OBJ 2: Commanding contemporary tools

Students will learn how to command contemporary tools.

OBJ 3: Design skills

Student will learn design skills.

OBJ 4: Lab skills

Students will learn lab skills.

observations.

Outcome 4.2: Conduct experiments No Mapping

Students will conduct experiments to truthfully record results following manual or proposed steps.

Outcome 4.3: Follow safety procedures No Mapping

Students will follow safety procedure and lab protocols, handle equipments with care.

Outcome 4.4: Examine lab results **Foundational Studies: IIIa. Quantitative Literacy**

Students will examine and interpret lab results to draw conclusions.

OBJ 5: Managerial skills

Students will learn managerial skills.

Outcome	Mapping
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Outcome 5.1: Develop work plans	No Mapping
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Students will develop work plans with clearly defined phased goals and timeline.

Outcome 5.2: Follow work plan	No Mapping
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Students will follow work plan by observing time line and reporting progress.

Outcome 5.3: Modify schedule	No Mapping
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Students will modify schedules based on progress.

OBJ 6: Ethics awareness

Students will learn ethics awareness.

Outcome	Mapping
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Outcome 6.1: Analyze ethics	No Mapping
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Students will analyze ethics issues based on professional ethics codes.

Outcome 6.2: Technology impact on society	No Mapping
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Students will understand technology impact on society.

OBJ 7: Lifelong learning

Students will learn lifelong learning.

Outcome	Mapping
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Outcome 7.1: Professional societies	No Mapping
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Students will get involved with professional societies.

Outcome 7.2: Technological trends	No Mapping
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Students will research the latest technological trends in a specific area.

OBJ 8: Teamwork skills

Students will learn teamwork skills.

Outcome	Mapping
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Outcome 8.1: Individual role and shared duties	No Mapping
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Students will understand individual role and shared duties.

Outcome 8.2: Respect different opinions	No Mapping
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Students will listen to others; cooperate with teammates; respect different opinions.

OBJ 9: Communication skills

Students will learn communication skills.

Outcome

Mapping

Outcome 9.1: Produce technical documents

Students will produce a technical document that is factually correct, and with good logical structure, proper format, citation, and references.

Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.

Outcome 9.2: Technical document with minimum errors

Students will produce a technical document with a minimum of errors in spelling, punctuation, grammar and usage.

Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.

Outcome 9.3: Communicate in a professional manner

Students will communicate in a professional manner, and respond to questions in language that is both concise and commensurate with audience's background.

Foundational Studies: 10. Express themselves effectively, professionally, and persuasively both orally and in writing.

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