

Assessment: Program Assessment Plan



Program (CTE) - AAS Electrical Systems Technology

Unit Mission: The mission of the Electrical Systems Technology program is to prepare graduates with the technical skills—the theoretical and applied foundation, for rewarding careers in the electrical systems technology field, through a learning environment that supports intellectual curiosity, academic achievement and personal growth.

Outcome: Graphic analysis and interpretation

Analyze and interpret graphical information found on schematics, blueprints, and diagrams.

Outcome Status: Active

Assessment Year: 2015-2016

Start Date: 09/05/2016

Assessment Measures

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| Assignment - Project - Final lab project score (Active) |
| Criterion: 80% of the students will achieve a 75%+ for final lab project. Notes: Reference course ELM 141 - Blueprints |

Outcome: Control systems

Identify, use, and maintain motor and computer-based control systems.

Outcome Status: Active

Assessment Year: 2015-2016

Start Date: 09/05/2016

Assessment Measures

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| Assignment - Project - Final Lab project score (Active) |
| Criterion: 80% of the students will achieve a 75%+ for their final lab project. Notes: Reference ELM 136 – Programmable Controllers Applications |

Outcome: Analyze technical theories

Analyze technical theories that apply to the electrical field.

Outcome Status: Active

Assessment Year: 2015-2016

Start Date: 09/05/2016

Assessment Measures

Program (CTE) - AAS Electrical Systems Technology

Written Test/Exam - Final exam score (Active)

Criterion: 75% of the students will achieve a 70%+ for their final exam.

Notes: Reference ELM 122 – AC Theory

Outcome: National Electrical Codes

Interpret and apply the National Electrical Code to electrical installations.

Outcome Status: Active

Assessment Year: 2015-2016

Start Date: 09/05/2016

Assessment Measures

Written Test/Exam - Final exam score (Active)

Criterion: 80% of the students will achieve a 75%+ for their final exam score.

Notes: Reference ELM 131 – National Electric Code

Outcome: Utilize the proper tools

Utilize the proper tools used in the electrical field and industry.

Outcome Status: Active

Assessment Year: 2015-2016

Start Date: 09/05/2016

Assessment Measures

Written Test/Exam - Final lab project (Active)

Criterion: 90% of the students will achieve a 90%+ for their Final lab project.

Notes: Reference ELM 143 – Wiring Techniques

Outcome: Commercial and industrial electrical systems

Design, construct, and troubleshoot various electrical systems used in commercial and industrial settings.

Outcome Status: Active

Assessment Year: 2015-2016

Start Date: 09/05/2016

Assessment Measures

Assignment - Lab - Final lab project score (Active)

Criterion: 85% of the students will achieve an 85%+ for their final lab project.

Notes: Reference ELM 133 – Advanced AC controls

Outcome: Practice safety procedures

Practice safety procedures associated with the electrical industry.

Outcome Status: Active

Program (CTE) - AAS Electrical Systems Technology

Assessment Year: 2015-2016

Start Date: 09/05/2016

Assessment Measures

Project - 100% of students will attain the Occupational Safety and Health Administration (OSHA) 10 hour construction industry card. (Active)

Criterion: 95% of the students will have zero lab safety deductions.

Notes: Unsafe work practices will be deducted from individual lab grade throughout the program.