

Environmental Systems Tech - Advanced HVACR Technician

Summary of Program Assessment Findings

12/22/2008 to 12/22/2009

Catalog Description

This program leads to an associate in applied science degree with specialization in Environmental Systems Technology. It is designated as an extended degree because the student must complete a minimum of 73 or more required credit hours. Program graduates are encouraged to transfer to a four-year college or university to complete their education in Engineering Technology or Energy Management. However, program graduates may qualify for occupations and careers in heating, ventilating and air conditioning such as systems designers, technicians, estimators, sales engineers and manufacturers' representatives.

Within this timeframe:

- 3 Benchmark(s) scheduled to be assessed**
- 3 Benchmark(s) assessed**
- 0 Benchmark(s) not assessed**

Note: The following pages reflect findings for Benchmark(s) assessed.

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Learning Outcome

Students will master written communications through field and service environmental audit experiences, grading rubric used in audit.

Benchmark

272.1A 80% of the students in AET 2400 that complete the course will attain a grade of B or better on their walk through energy audit as defined by the rubric in the syllabus.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
The audits are a stretch for the students and are successful when the student puts in the effort and contacts the teacher with questions. Those who procrastinate struggle to complete the assignment.	Yes	Benchmark will read: 80% of the students in AET 2400 that complete the course will attain 80% (grade of B) or better on their walk through energy audit as defined by the rubric in the syllabus. I will require earlier feedback from the student to the instructor about what they have accomplished and will follow up with procrastinators earlier. I will make more detailed instructions to lower procrastination. I will require them to keep a more detailed timeline of their efforts.	6/1/2009	New

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Learning Outcome

Students will demonstrate troubleshooting skills on HVACR equipment trainers.

Benchmark

272.2A 90% of the students will complete 90% of the labs with a grade of a B or better.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
I have learned that the required competencies are comprehensible to the majority of the students in the program and there is sufficient time within the course to complete them.	Yes	No Modifications	6/1/2009	New

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Learning Outcome

Students will obtain technical knowledge required to pass certification testing in areas of Heating, Ventilation, Air Conditioning and Refrigeration, and refrigerant handling. [This outcome encompasses all three Certificate levels.]

Benchmark

272.3A 80% pass rate on EPA Section 608-ESCO Institute, NATE, and HVAC Excellence.

Findings	Benchmark Met?	Planned Change	Assessment Date	Status
I have learned that the courses in the Environmental Systems Technology Program do in fact prepare the student to successfully pass national certification exams required by the trade industry.	Yes	No Modifications	6/1/2009	New