

**OSU-Okmulgee**  
**Academic Programs Form C**  
**ASSESSMENT REPORT**

Construction Division

ACR

(Unit)

Academic Year

2002-2003 Summer semester

(Program Emphasis or Specialization)

8-11-03

(Assessment Period Covered)

(Date Submitted)

**Intended Educational (Student) Objective #1:**

*NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.*

**Objective 1:** Demonstrate the ability to diagnose electrical and electronic systems

**A. First Means of Assessment for Objective Identified Above:**

**1 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?)

75% of student in the Electrical Controls Applications class ACR 1206 will complete 80% of lab project at a 74% accuracy.

**1 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)

**1 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)

**B. Second Means of Assessment for Objective Identified Above:**

**1 b. Means of Program Assessment & Criteria for Success:**

80% of students in the ACR Capstone class ACR 2616 will correctly diagnose electrical and electronic systems on a given project at 74% accuracy.

**1 b. Description of Data Collection & Assessment Results:**

**1 b. Use of Results to Improve Instructional Program:**

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Construction Division

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(Academic Program)

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(Degree Level)

**Academic Year 2002-2003 Semester**

**8-11-03**

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**Intended Educational (Student) Objective #2:**

*NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.*

**Objective 2:** Interpret and create electrical and electronic diagrams.

**A. First Means of Assessment for Objective Identified Above:**

**2 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?)

80% of students in the Electrical Controls Application class ACR 1206 will achieve 74% accuracy in the interpretation and creation of diagrams on 80% of all the lab jobs.

**2 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)

**2 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)

**B. Second Means of Assessment for Objective Identified Above:**

**2 b. Means of Program Assessment & Criteria for Success:**

80% of students in the ACR Capstone class ACR 2616 will correctly diagram electrical and/or electronic systems on a given project at 74% accuracy.

**2 b. Descriptions of Data Collection & Assessment Results:**

**2 b. Use of Results to Improve Instructional Program:**

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**Intended Educational (Student) Objective #3:**

*NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.*

**Objective 3:** Demonstrate the ability to diagnose and repair mechanical systems.

**A. First Means of Assessment for Objective Identified Above:**

**3 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?)

80% of the students in the Commercial Air Conditioning Class ACR 2603 will demonstrate the ability to diagnose and repair mechanical systems with average 74% accuracy on lab projects.

**3 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)

**3 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)

**B. Second Means of Assessment for Objective Identified Above:**

**3 b. Means of Program Assessment & Criteria for Success:**

80% of students in the ACR Capstone class ACR 2616 will correctly diagnose and repair a given Mechanical System Project at 74% accuracy.

**3 b. Description of Data Collection & Assessment Results:**

**3 b. Use of Results to Improve Instructional Program:**

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(Date Submitted)

**Intended Educational (Student) Objective #4:**

*NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.*

**Objective 4:** Interpret and create mechanical diagrams

**A. First Means of Assessment for Objective Identified Above:**

**4 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?)

80% of students in the ACR System Applications class ACR 1126 will generate a Mechanical Diagram on a given refrigeration system project at 74% accuracy.

**4 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)

**4 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)

**B. Second Means of Assessment for Objective Identified Above:**

**4 b. Means of Program Assessment & Criteria for Success:**

80% of students in the ACR Capstone class will be able to interpret and create mechanical diagrams on a Heat Pump System at 74% accuracy.

**4 b. Description of Data Collection & Assessment Results:**

**4 b. Use of Results to Improve Instructional Program:**

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**Intended Educational (Student) Objective #5:**

*NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.*

**Objective 5:** Demonstrate the ability to size equipment in accordance with the ACCA J-Manual

**A. First Means of Assessment for Objective Identified Above:**

**5 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?)

80% of students in the Air System Design class ACR 2513 will demonstrate the ability to size equipment using the J- manual form on a given project at 74% accuracy.

**5 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)

**5 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)

**B. Second Means of Assessment for Objective Identified Above:**

**5 b. Means of Program Assessment & Criteria for Success:**

80% of students in the Air System Design Class ACR 2513 will size equipment on a final project using the computer program with 74% accuracy.

**5 b. Description of Data Collection & Assessment Results:**

**5 b. Use of Results to Improve Instructional Program:**

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(Date Submitted)

**Intended Educational (Student) Objective #6:**

*NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.*

**Objective 6:** Demonstate the ability to design duct layout in accordance with the ACCA D-manual

**A. First Means of Assessment for Objective Identified Above:**

**6 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?)

80% of the students in the Air Systems Design Class ACR 2513 will demonstrate the ability to size air distribution systems using the D-manual form on given project at 74% accuracy.

**6 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)

**6 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)

**B. Second Means of Assessment for Objective Identified Above:**

**6 b. Means of Program Assessment & Criteria for Success:**

80% of the students in the Air Systems Design Class ACR 2513 will size air distribution systems using the D-manual on a final project at 80% accuracy.

**6 b. Description of Data Collection & Assessment Results:**

**6 b. Use of Results to Improve Instructional Program:**

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(Degree Level)

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**8-11-03**

(Assessment Period Covered)

(Date Submitted)

**Intended Educational (Student) Objective #5:**

*NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.*

**Objective 7:** Prepare our students for required state journeyman's license.

**A. First Means of Assessment for Objective Identified Above:**

**7 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?)

75% of students in the ACR Capstone class ACR 2616 will take a test of the International Mechanical Codes at 70% accuracy.

**7 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)

**7 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)

**B. Second Means of Assessment for Objective Identified Above:**

**7 b. Means of Program Assessment & Criteria for Success:**

80% of students in the ACR Capstone class ACR 2616 will pass the state journeyman's prep test with 70% accuracy (this is the minimum score the state accepts).

**7 b. Description of Data Collection & Assessment Results:**

**7 b. Use of Results to Improve Instructional Program:**

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**Intended Educational (Student) Objective #5:**

*NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.*

**Objective 8:** Prepare the students for the required E.P.A. License.

**A. First Means of Assessment for Objective Identified Above:**

**8 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?)

80% of students in the E.P.A. Certification class ACR 1111 will pass the EPA preparation test at 70% accuracy.

**8 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)

**8 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)

**B. Second Means of Assessment for Objective Identified Above:**

**8 b. Means of Program Assessment & Criteria for Success:**

**8 b. Description of Data Collection & Assessment Results:**

85% of all students that take the E.P.A. licensing exam will obtain the appropriate license at 70% accuracy. It is a requirement for our industries.

**8 b. Use of Results to Improve Instructional Program:**

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Construction Technologies Division

(Unit)

Electrical

(Program Emphasis or Specialization)

Fall 2003

(Assessment Period Covered)

Aug. 14<sup>th</sup> 2003

(Date Submitted)

**Intended Educational (Student) Objective #6:**

*NOTE: There should be one form C for each intended outcome listed on form B. Intended outcome should be restated in the box immediately below with intended outcome number entered in the small blank spaces.*

**Objective 9:** Demonstrate the ability to use computer skills.

**A. First Means of Assessment for Objective Identified Above:**

9 a. Means of Program Assessment & Criteria for Success: (How is outcome going to be measured and what will be considered acceptable success?) 60% of students in the Introduction to ACR class ACR 1121 will complete assignments for research of the ACR industry using the inter-net and complete assignments reports having used Microsoft word at a pass or no pass rate.

9 a. Description of Data Collection & Assessment Results: (complete this section in spring after assessment results are in)

9 a. Use of Results to Improve Instructional Program: (complete in spring based on findings)

**B. Second Means of Assessment for Objective Identified Above:**

9 b. Means of Program Assessment & Criteria for Success:

70 % of the students in the Air Conditioning & Refrigeration Capstone class ACR 2616 will use a computer-generated program producing a load calculation for one given project with 80% accuracy rate.

9 b. Descriptions of Data Collection & Assessment Results:

9 b. Use of Results to Improve Instructional Program: