

**OSU-Okmulgee**  
**Academic Programs Form C**  
**ASSESSMENT REPORT**  
**For Core Objectives (First Six)**

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(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:** Effectively communicate electronically, verbally and in writing.

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

**1 a. Means of Program Assessment & Criteria for Success:** 80% of the students will complete a technical report and give a presentation for a Capstone project at a 74% level.

**1 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
Cohort has not reached Capstone

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

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

**1 b. Means of Program Assessment & Criteria for Success:** 80% of the students will complete a Small Group Communication project at a 74% level.

**1 b. Description of Data Collection & Assessment Results:**  
Data not reported

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

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(Date Submitted)

**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:** Demonstrate logical, systematic problem-solving techniques.

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

**2 a. Means of Program Assessment & Criteria for Success:** 80% of the students will design and execute a team based applied research project in Capstone at a 74% level.

**2 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
Cohort has not reached Capstone

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

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

**2 b. Means of Program Assessment & Criteria for Success:** 80% of the students will complete a Robo Lab competition or equivalent in First Semester at a 74% level.

**2 b. Description of Data Collection & Assessment Results:**  
Data not collected

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

# OSU-Okmulgee

## Academic Programs Form C

### ASSESSMENT REPORT

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(Date Submitted)

#### 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:** Analyze and solve problems using basic mathematical computations.

#### A. Summative Means of Assessment for Objective Identified Above:

**3 a. Means of Program Assessment & Criteria for Success:** 80% of the students will design and execute a team based applied research project in Capstone at a 74% level.

**3 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
Cohort has not reached Capstone

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

#### B. Formative Means of Assessment for Objective Identified Above:

**3 b. Means of Program Assessment & Criteria for Success:** 80% of the students will complete a Robo Lab competition or equivalent in First Semester at a 74% level.

**3 b. Description of Data Collection & Assessment Results:**  
Data not collected

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

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(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:** Develop and display a sense of personal, social and professional work ethics.

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

**4 a. Means of Program Assessment & Criteria for Success:** A @ S feedback is required.

**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. Formative Means of Assessment for Objective Identified Above:**

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

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

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

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(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 5:** Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study.

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

**5 a. Means of Program Assessment & Criteria for Success:** A @ S feedback is required.

**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. Formative Means of Assessment for Objective Identified Above:**

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

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

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

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(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:** Access and use technology appropriate to one's industry or field of study.

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

**6 a. Means of Program Assessment & Criteria for Success:** 80% of the students will complete an Intro to Design/Drafting final project at a 74% level on the first attempt.

**6 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
93% of students completed assessment at a 74% level

**6 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
Due to limited data, no program modifications will be made.

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

**6 b. Means of Program Assessment & Criteria for Success:** 80% of the students will complete a Civil, Architectural and Mechanical drawing project at a 74% level on the first attempt.

**6 b. Description of Data Collection & Assessment Results:**  
Data not reported

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

**OSU-Okmulgee**  
**Academic Programs Form C**  
**ASSESSMENT REPORT**  
**For Program of Study Objectives (Last 15)**

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(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 basic electrical safety, wiring methods, and usage of tools.

**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?) Knowledge based safety exam. Skills based wiring exam. (wiring, tools)

**1 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
Data not reported

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

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

**1 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

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

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

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(Date Submitted)

**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:** Demonstrate the application of basic electrical principles through the analysis of DC circuits utilizing the appropriate test equipment.

**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?)

Knowledge/skills based final exam (Principles final)

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

88% of the students completed the assessment at a 74% level.

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

Course has been changed from a 5 week course taught with ETDE 1253 & 1263 to a ½ semester course

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

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

Formative assessment tool has yet to be developed

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

N/A

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

N/A

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(Date Submitted)

**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 application of basic electrical practices through the analysis of AC circuits utilizing the appropriate test equipment.

**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?) Knowledge / skills based final exam. (Practices Final)

**3 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
84% of students completed the assessment at a 74% level.

**3 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
Course has been changed from a 5 week course taught with ETDE 1243 & 1253 to a ½ semester course

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

**3 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

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

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

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(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:** Demonstrate the application of basic electrical and electromagnetic analog devices through the analysis of AC circuits utilizing the appropriate test equipment.

**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?) Knowledge / skills based final exam. (Devices final)

**4 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
80% of the students completed the assessment at a 74% level

**4 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
Course has been changed from a 5 week course taught with ETDE 1243 & 1263 to a full semester course

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

**4 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

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

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

# OSU-Okmulgee

## Academic Programs Form C

### ASSESSMENT REPORT

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(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 5:** Analyze, design, install, and troubleshoot motor control systems.

#### 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?) Knowledge / skills based final exam. (Motor Controls final)

**5 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in) 100% of the students completed the assessment at a 74% level.

**5 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
Due to limited data, no program modifications are planned.

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

**5 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

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

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

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(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:** Analyze, design, build, and troubleshoot digital circuits.

**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?) Knowledge / skills based final exam. (Digital final)

**6 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
94% of the students completed the assessment at a 74% level.

**6 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
Due to limited data, no program modifications are planned.

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

**6 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

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

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

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(Date Submitted)

**Intended Educational (Student) Objective #7:**

*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:** Demonstrate industrial/commercial safety and wiring methods and equipment.

**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?) Knowledge / skills based final exam. (Industrial Electrical final)

**7 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
100% of the students completed the assessment at a 74% level.

**7 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
Due to limited data, no program changes are planned at this time.

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

**7 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

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

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

# OSU-Okmulgee

## Academic Programs Form C

### ASSESSMENT REPORT

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(Date Submitted)

#### Intended Educational (Student) Objective #8:

*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:** Analyze, design, program, and troubleshoot programmable logic control systems.

#### 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?) Knowledge / skills based final exam. (Introduction to Programmable Logic Controllers)

**8 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
Cohort has not reached this competency

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

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

**8 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

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

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

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(Date Submitted)

**Intended Educational (Student) Objective #9:**

*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:** Analyze, utilize, and troubleshoot electronic control devices.

**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?) Knowledge / skills based final exam. (Control Devices final)

**9 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
Cohort has not reached this competency.

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

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

**9 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

**9 b. Description of Data Collection & Assessment Results:**  
N/A

**9 b. Use of Results to Improve Instructional Program:**  
N/A

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(Date Submitted)

**Intended Educational (Student) Objective #10:**

*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 10:** Install, calibrate, and troubleshoot measurement and control systems.

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

**10 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?) Knowledge / skills based final exam. (Instrumentation final)

**10 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in) Cohort has not reached this competency.

**10 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
N/A

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

**10 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

**10 b. Description of Data Collection & Assessment Results:**  
N/A

**10 b. Use of Results to Improve Instructional Program:**  
N/A

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(Date Submitted)

**Intended Educational (Student) Objective #11:**

*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 11:** Apply the basic physical laws of temperature, pressure, flow, and level as related to process measurement and controls.

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

**11 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?) Knowledge / skills based final exam. (Instrumentation final)

**11 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
Cohort has not reached this competency.

**11 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
N/A

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

**11 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

**11 b. Description of Data Collection & Assessment Results:**  
N/A

**11 b. Use of Results to Improve Instructional Program:**  
N/A

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(Date Submitted)

**Intended Educational (Student) Objective #12:**

*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 12:** Evaluate and apply electrical standards and regulations.

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

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

**12 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in) Cohort has not reached this competency.

**12 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
N/A

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

**12 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

**12 b. Description of Data Collection & Assessment Results:**  
N/A

**12 b. Use of Results to Improve Instructional Program:**  
N/A

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(Date Submitted)

**Intended Educational (Student) Objective #13:**

*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 13:** Analyze and produce a variety of electrical schematics and prints.

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

**13 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?) Motor Controls and Practices, Principles, and Devices labs. (555 timer lab, Motor/Control documentation lab, Introduction to Programmable Logic Controllers documentation lab, Instrumentation documentation lab.

**13 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
Data not collected

**13 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
N/A

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

**13 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

**13 b. Description of Data Collection & Assessment Results:**  
N/A

**13 b. Use of Results to Improve Instructional Program:**  
N/A

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004  
(Assessment Period Covered)

October 29, 2004  
(Date Submitted)

**Intended Educational (Student) Objective #14:**

*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 14:** Apply concepts and formulas of algebra and trigonometry to analyze electrical/electronic circuits.

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

**14 a. Means of Program Assessment & Criteria for Success:** (How is outcome going to be measured and what will be considered acceptable success?) Knowledge / skills based final exams. (Principles, Practices, and Devices finals)

**14 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in)  
84% of students completed the assessment at a 74% level

**14 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
Courses have been changed from a 9 credit hour block to 2 ½ semester courses and 1 full semester course.

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

**14 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

**14 b. Description of Data Collection & Assessment Results:**  
N/A

**14 b. Use of Results to Improve Instructional Program:**  
N/A

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

Engineering Technologies  
(Unit)

Electrical/Electronics (ETDE)  
(Program Emphasis or Specialization)

Fall 2003 - Summer 2004

(Assessment Period Covered)

October 29, 2004

(Date Submitted)

**Intended Educational (Student) Objective #15:**

*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 15:** Design and execute through completion applied research projects.

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

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

**15 a. Description of Data Collection & Assessment Results:** (complete this section in spring after assessment results are in) Cohort has not reached this competency

**15 a. Use of Results to Improve Instructional Program:** (complete in spring based on findings)  
N/A

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

**15 b. Means of Program Assessment & Criteria for Success:**  
Formative assessment tool has yet to be developed

**15 b. Description of Data Collection & Assessment Results:**  
N/A

**15 b. Use of Results to Improve Instructional Program:**  
N/A