

# Construction Technologies Division

## Mission

The Construction Technologies Division educates individuals to expand their career opportunities in commercial construction and related industries.

## Vision

The OSU-Okmulgee Construction Division will:

- Prepare students for the Twenty-First Century's fast-paced technology Construction Industry.
- Provide faculty the means and methods to stay current with industry and to continuously enhance their skills in able to provide the highest quality of instruction to our students.
- Be the leading program in Oklahoma's higher education system that provides the construction industry with a high-performance workforce.
- Provide programs that will be diverse, comprehensive, high quality, and on the leading edge of technology that governs our industry.

## Core Values

**Excellence** – We seek excellence in all our endeavors, and we are committed to continuous improvement.

**Intellectual Freedom** – We believe in ethical and scholarly questioning in an environment that respects the rights of all to freely pursue knowledge.

**Integrity** – We are committed to the principles of truth and honesty, and we will be equitable, ethical, and professional.

**Service** – We believe that serving others is a noble and worthy endeavor.

**Diversity** – We respect others and value diversity of opinions, freedom of expression, and other ethnic and cultural backgrounds.

**Stewardship of Resources** – We are dedicated to the efficient and effective use of resources. We accept the responsibility of the public's trust and are accountable for our actions.

## **Goals, Critical Success Factors, Objectives and Strategies**

**Strategic Goal One: Academic Excellence by accelerate the development of academic, technical and leadership skills of students seeking Associate in Applied Science degrees in Air Conditioning & Refrigeration Technology, Construction Management, Electrical Technology, High Voltage Technology, and Plumbing Technology.**

### **Critical Success Factors:**

- 100% of our students will have an internship within their chosen degree program
- 90% placement of students graduating
- 80% of our Graduates stay in Oklahoma
- Increase the quality and the over number of students by 5% each year
- Have the retention rate at 55% or better
- 100% of faculty will participate in one educational and technical professional development event per year, will present to students a review of one trade/professional journal article per semester and with general education in curriculum development
- 90% of Faculty will cooperate/collaborate with one inter-disciplinary technical discipline and general education discipline
- 100% of programs will increase development and maintain state-of the-art equipment and technical training facilities
- Continual feedback from Industry will result in a current up to date curriculum through their input at the Fall and Spring Advisor Committee meetings
- 100% of interaction/collaborate with industry to foster real world simulation/application to course lab exercises
- Create one lab exercises in each program that encourages mentoring, collaboration and cooperation between beginning, mid-level, and senior students
- Increase lab and other assignments that will develop leadership skills by 25%

### **Objectives:**

**Objective 1.1:** Increase and expand the personal expertise, teaching skills, technical knowledge and technical ability of faculty.

#### Strategies:

- Faculty will be required to receive Industry Training year to year.
- Faculty will have the opportunity to attend Professional Seminars.
- Faculty Internships will be set up for each faculty.

**Objective 1.2:** Faculty will model/demonstrate to students the importance of staying current within their technical/industry discipline.

Strategies:

- Faculty will be associated with a Professional Organizations.
- Faculty will have the opportunity to provide training for the Incumbent work force.
- The Division will make sure that Trade magazines are available to Faculty.
- Industry Training for Faculty.

**Objective 1.3:** Faculty will cooperate/collaborate with one other OSU-Okmulgee technical discipline to demonstrate importance of technical cross training.

Strategies:

- Faculty to Team Teach when the opportunity is given.
- Industry Training to give more skills to Faculty with in the same discipline.
- Cross discipline Lab. Assignments.

**Objective 1.4:** Faculty will cooperate/collaborate with one other OSU-Okmulgee general education discipline to demonstrate the application of general education to technical education and practice.

Strategies:

- Team Teach certain class assignment.
- Technical Faculty will give class assignment that enhances General Education courses.

**Objective 1.5:** All programs will improve and maintain state-of-art equipment and technical training facilities

Strategies:

- Seek Industry Advisement.
- Obtain Student Input on equipment/tools they have seen on internships.
- Industry Training will allow Faculty to see the last Equipment and Tools be used.

**Objective 1.6:** CNS will collaborate with industry to foster real world simulation/application to course lab exercises.

Strategies:

- Seek Industry Advisement.
- Industry Seminars will provide ideals to foster current lab exercises.
- Faculty Industry Internships will encourage faculty to create more productive labs.

**Objective 1.7:** CNS will develop a major comprehensive lab project that will foster mentoring, collaboration, and application of program curriculum.

Strategies:

- Create Team Projects that involve upper and lower classmates.

**Objective 1.8:** Faculty will model/demonstrate to students the importance of developing leadership skills.

Strategies:

- Faculty will use past Graduates for class seminars.
- Student clubs and organizations will have opportunity to meet industry leader.
- Trade Magazines that showcases world leaders.

**Objective 1.9:** Students will be strongly encouraged to join or at least actively participate in one OSU-Okmulgee student organization function or campus wide activity.

Strategies:

- Have Industry involvement in showing the importance of being involved.
- Students will have a lab that will research student organization.
- Better Communications to showcase opportunity for students.

**Objective 1.10:** Industry Representatives in our Advisor Committee Meetings will provide needed input that will enhance and or change curriculum that will meet the demands of the industry we serve.

Strategies:

- Continue to have Fall and Spring Advisor Committee Meetings.
- Invite Advisors on campus for presentation and demonstrations.

**Objective 1.11:** To increase the overall quality of students coming into our programs and then to have our retention rates at 55% or better.

Strategies:

- Set up strategies for Target Recruitment.
- Enhance Faculty advisement by providing advisement train sessions.
- Create a Student Mentor system.

**Strategic Goal Two: To instill in every graduate an appreciation for his or her individual responsibility for citizenship and leadership in a multi-cultural society.**

**Critical Success Factors:**

- Growth through on-campus activities other than through the Construction Division will increase by 25%
- Diverse group activities within the Construction Division will increase by 25%
- Assign of leadership roles in said groups will increase by 25%
- Instill a sense of belonging through off-campus activities within the community; opportunity for off-campus activities will increase by 25%
- Increase advisory committee members as examples of diversity and leadership by 25%
- 100 % of our graduates will experience a multi-cultural society through the use of internships

**Objectives:**

**Objective 2.1:** Construction Division students will have interaction with community and campus population.

Strategies:

- Give course assignments that involve community and campus life.
- Through student clubs students will have interaction with both community and campus population.

**Objective 2.2:** To Involve students in leadership roles through the use of group interactions on and off campus.

Strategies:

- Teaming assignments will encourage leadership roles.
- Joining and participating in student group organizations students will have the opportunity to see and play an active part in leadership roles.

**Objective 2.3:** Students to become uniquely aware of the multi-cultural work force through the internship experiences.

Strategies:

- All students will have an opportunity to see and adapt to versus multi-cultural situation while they are on their internship(s).

**Strategic Goal Three: To provide lifelong educational experiences for individuals and to instill within them the need and desire for lifelong learning.**

**Critical Success:**

- Instill within 100% of our students a sense of being a life long learner
- 90% of students in the capstone will participate in a mentor program
- 100% of Students will be given the opportunity to explore industry continuing education programs
- 100 % of Students will be provided examples of graduates who have entered industry and have excelled within their discipline by taking advantage of continuing education opportunities

**Objectives:**

**Objective 3.1:** Provide an example to students of life long learning by expanding the personal expertise and skills of faculty members.

Strategies:

- Faculty will continuously year to year receive new equipment training.
- Faculty will be involved with industry sponsor events that will keep them technical current.

**Objective 3.2:** Demonstrate to the students the requirements by industry for continuing education.

Strategies:

- Have industry representative visit the student in several courses.
- Provide student with field trip opportunity they shows the need for a continuous learning.

**Objective 3.3:** Provide successful examples of tradesman who have instilled within themselves the desire to be life long learners.

Strategies:

- Invite alumni to speak to the students on several occasions during the year.

**Strategic Goal Four: To provide out-of-class learning experiences in the environment of a healthy quality campus community.**

Critical Success Factors/Assessments:

- 100% of students will have a structured internships that will enhance the quality of student learning as it applies to their educational experience
- 90 % of students will go on at least one field trip both on and off campus each year
- Increase Industry sponsored on campus seminars and lectures by 25%
- 100 % of students will understand quality-of-life and healthy living situations because of the increase in community involvement
- 60% of our student will know the value of joining student lead clubs and organization
- Create an environment conducive to student participation in our Tech Show Case by increasing student involvement by 20%
- Increase campus wide involvement in our retention activities each year by 5%
- 100% of our students will have the opportunity to visit with Advisory Committee members

**Objectives:**

**Objective 4.1:** Through a structured internship all students that graduate will have a quality learning experience.

Strategies:

- Have quality companies to provide internships.
- Faculty will visit student internship sites.
- Student and Company Evaluation of internship will be made.

**Objective 4.2:** For students to have a quality learning experience through field trips, industry sponsored seminars/lectures, community involvement and involvement in student leadership clubs.

Strategies:

- Have students be in contact with an industry representative.
- Ask industry to give seminars or lectures.
- Through the Student clubs students will be involved in community projects.

**Objective 4.3:** To have better communications and industry collaboration between Advisory Committee members and Students.

Strategies:

- Have each student make a connection with one of the Advisory Committee members.

- Spring Advisor Meetings Students will have an opportunity to visit with Members.
- Strategic Goal Five: To develop strategic alliances and partnerships with government, business and industry that will lead to enhance economic development of the state and region.**

Critical Success Factors/Assessments:

- The number of Government and Private Industry Sponsorships will experience a growth rate of 5% each year
- Negotiate an articulation agreement with IBEW, ABC Tulsa, Plumbers Pipefitters and Service Technicians locals 430 & 344 by 2010
- To increase student participation in Professional organization like ABC, AGC, and ASHRAE by 5% each year
- The number of relationships with industry and Manufactures for the procurement of Equipment Donations and for Critically updated Training for Faculty will provide 10% of our equipment needs and 25% of our training needs

**Objectives:**

**Objective 5.1:** Increase the number of industry sponsorships that will provide advice, direction, and support to the divisional programs.

Strategies:

- Participate at Professional Organization Meetings.
- Invite new companies to Campus.

**Objective 5.2:** To have an articulation agreement with union and non-union training programs in the state of Oklahoma will be established and formulated to provide career-laddering opportunities for licensed apprentices to become a licensed Journeyman Electrician, Plumber, ACR Service Technicians and Lineman.

Strategies:

- Set up meetings with each group.
- Establish guidelines to be used.

**Objective 5.3:** Student to be involvement in professional organizations.

Strategies:

- Have professional organizations come to campus to visit with students.
- Increase student participation with student organizations that promote involvement.



**Objective 5.4:** To have faculty attend industry-training events that will give critical industry updates on new equipment and Industry standards. Also to develop industry relationships that will procure donated equipment and materials.

Strategies:

- Ask industry advisors to inform us of training opportunities.
- Give Faculty release time to receive critical industry updates.
- Ask manufacturing companies for donation.