



**Maintenance/Operations** is a program of study in the **Architecture and Construction Career Cluster**. A Career Cluster is a grouping of occupations and broad industries based on commonalities. There are 16 Career Clusters.

Career clusters link what students learn in school with the knowledge and skills they need for success in college and careers. The Architecture and Construction Career Cluster prepares learners for careers in designing, planning, managing, building, and maintaining the built environment.

There are three programs of study in this cluster:

- Construction
- Design/Pre-Construction
- Maintenance/Operations

### Employment Outlook

An example career in Maintenance/Operations is an **Electrician**. The number of jobs for electricians is expected to grow at an average rate through the year 2016. Much of the demand will result from an increase in power plant production and new technologies. Nationally, electricians earn salaries that range from \$28,160 to \$79,420 (Occupational Outlook Handbook, 2008-2009).

### Using this brochure

Inside you will find a suggested **program of study** that has lots of helpful information. The model is an example of the types of courses and extended learning experiences that are important for the **Maintenance & Operations Program of Study**. Use this model to plan your course schedule, educational experiences, and career choices.

At the top of the model, you will find **career goals** with the corresponding **O\*NET code**. The O\*NET code is an official classification of jobs and can be used to locate career-related information. Your teacher, counselor, or media center should be able to help you locate further information.

The upper left side of the model highlights the **core courses and career-related electives** in high school that will help prepare you for your career goal. This model is based upon the Recommended High School Program graduation plan and can easily be adapted for the Distinguished Achievement High School Program graduation plan.

The upper right side of the model highlights examples of **extended learning experiences** that can enhance your knowledge and skills for your career goal. You will find examples of curricular activities, such as participation in Career and Technical Student Organizations like SkillsUSA, career learning experiences, service learning activities, and extracurricular activities.

The lower left side of the model indicates **industry licensures/certifications** and **on-the-job training experiences** that may be available while still in high school. This section also highlights the various levels of **postsecondary education** and examples of **career options** available to you once you have completed that level of education and training.

The lower right side of the model contains examples of **professional associations** available for architecture and construction professionals. Many organizations allow preprofessional membership while enrolled in a postsecondary program. Most organizations have websites which can be easily located by entering the organization name in available search engines.

## Thinking about a career in Building Maintenance?



<http://www.achievetexas.org>

This program of study may be for you! Maintenance/Operations personnel are responsible for the maintenance, repair, and restoration of cities, houses, and highways. They also repair and maintain factory equipment, streets, schools, offices, and homes. Look inside to see the suggested coursework and learning opportunities that will prepare you for an exciting and rewarding career.

