

**PUBLIC WORKS PROGRAM
COURSE DESCRIPTION**

COURSE #ETC: 0003 PUBLIC WORKS CADET 1 – 150 HOURS

Orientation, Safety, and Employability Skills (30 hours classroom)

Students will be introduced to the Public Works field. Safety issues to include CPR, First Aide, and Defensive Driving. Basic computer literary skills, how to secure information about a job, and how to conduct a job search in the Public Works field will also be addressed.

Water, Wastewater, And Stormwater (13 hours classroom + 17 hours lab)

Students will gain a comprehensive overview of the treatment, collection, distribution, and operation of the water works in municipalities. Students will become familiar with the laws, regulations, operations, and career paths in this industry.

Tools, Equipment, and Technical Design (9 hours class + 6 hours lab)

Students will recognize the tools and equipment used in Public Works, the role and career ladder of equipment mechanics, and the proper maintenance of such equipment. Professional organizations of the public works field will be explained.

Solid Waste and Parks Maintenance (5 hours classroom + 10 hours lab)

Students become familiar with the laws and regulations regarding solid waste disposal and treatment. Students will be introduced to the careers available in parks, buildings, and grounds maintenance.

Externship I/Portfolio (60 hours)

Students will gain experience in employment seeking skills, such as job search, resume writing, mock interviewing, and computer skills. It may allow students to demonstrate their capabilities while learning in an actual workplace. Students will document workplace activities, which can be used for licensing purposes. These activities and the student performance evaluations will be converted to a grade at the end of the grading period.

COMPLETED OCP A: PUBLIC WORKS CADET 1 – 150 HOURS

COURSE #ETC 0004: PUBLIC WORKS CADET 2 – 150 HOURS

Gas, Utilities, and Animal Services (7 hours classroom + 13 hours lab)

Students will be introduced to the technology used in utility locating and operations. They will be given an overview of Animal Services. Students will identify the tools, equipment, and special safety requirements of the occupations and describe the career opportunities in these areas.

Equipment Operation, Traffic, And Roadway Operations (24 hours classroom + 16 hours lab)

Students will receive a comprehensive overview of work zone safety certification, the importance of traffic operations and roadway maintenance, barricading, minimizing liability, and the career ladders in the areas.

People Skills (36 hours classroom)

Students will receive a foundation and/or enhance their workplace skills. Topics to be discussed and/or demonstrated will be sexual harassment, diversity in the workplace, union negotiations, listening and communication skills, proper work ethics and attitude, good grooming, and more.

Externship II/Portfolio (54 hours lab)

This will be a continuation of the field externship that the student started during the last period.

COMPLETED OCP B: PUBLIC WORKS CADET 2 – 150 HOURS

COURSE #ETC 0005 PUBLIC WORKS CADET 3 – 150 HOURS

Externship III (150 hours)

Students may continue as a volunteer or employee in a public works department. Students will be required to be at the job site twenty-five hours a week. During this time period, students will apply the skills they have learned during the last twelve weeks. They will document their time on the job. Their performance evaluations will be converted into a final grade.

COMPLETED OCP C: PUBLIC WORKS CADET 3 – 150 HOURS