

To achieve the Public Works Specialist certification you must complete 12 of classes offered. For the Public Works Technician, you must complete 6 of the offered classes.

“Introduction to Public Works” is the prerequisite to all classes.

Tuition is only \$85. There are no other costs associated with these courses, such as text books, etc.

Two-Year Program: Public Works Specialist

This program can be completed within 2 years. You pick the 12 classes you want to take. They are all available online. While each individual class has a timeframe of 12 weeks, you can take as much time in between classes as you wish. Each class is just \$85.00.

One-Year Program: Public Works Technician

You choose the 6 classes you want and when completed successfully, you will earn this certificate.

Scholarships

Each Chapter is committed to providing scholarships. See your representative for details.

**MAINTENANCE
SUPERINTENDENTS
ASSOCIATION**

Education Director: Lory Warren
Phone: 520.256.2007
Email: MSAeducation@mainsupt.com

Your future in Public Works is the future of our industry.

We are public agency employees and commercial entrepreneurs, collaboratively working in harmony, dedicated to the maintenance of vital public infrastructure and the ongoing education and training of our members.

<https://www.mainsupt.com/pw-specialist-certification>



**MAINTENANCE
SUPERINTENDENTS ASSOCIATION**

**PUBLIC WORKS SPECIALIST
CERTIFICATION PROGRAM**



**EDUCATION FOR YOUR
ADVANCEMENT**

Introduction to Public Works

This class is the prerequisite to all other courses offered. The reasoning behind that is because this class touches on a broad variety of topics relevant to the Public Works industry. From the history of roads to traffic control and stormwater. From supervision to inspections as well as safety, quantity calculations, sweeping, drainage, concrete and asphalt. This course will hopefully spark an interest in a specific area of training that you are looking for.

Supervision

This course teaches you specific skills in how to lead. It teaches you skills in communications both written and oral, scheduling, training, corrective action, evaluations, and more.

Street Construction & Maintenance

This course covers asphalt and concrete pavement construction and maintenance as well as budgeting, safety, and codes.

Inspections

A course in Inspections is vital to a future as a Public Works Inspector. We cover the role of the Inspector and the relationship between the Inspector and the Contractor. We get into the specifics of plans, special provisions, standards, and contract specifications. This course also covers the topics of change orders, documentation and record keeping, prosecution of the work, and acceptance of contract work.

Asphalt and Portland Cement

This class covers design, construction, placement compaction and identification of defects and corrective measures. We also cover safety as it applies to delivering and placing these materials.

Concrete Structures & Inspections

This is an advanced class covering the construction of concrete structures and the inspection of bridges, culverts from site preparation to steel placement, excavation, falsework, and the technology associated with them.

Municipal and Urban Trees

Specific skills needed to work with trees within the right-of-way. This course covers the anatomy & physiology of trees, as well as cabling, soils management, root structure, and its effects on infrastructure. We teach you about irrigation, pruning, and fertilizing. This course will prepare you for the Tree Workers Certification Exam.

Occupational Safety & Health for Public Works

This course covers topics relevant to Public Works, such as excavation, trenches, tunnels, rock drilling, equipment, flammable vapors, and toxic substances. We also go into detail about the relationship between the employer and the employee as it relates to safety on the job.

Traffic Control Standards, Practices & Policies

This course will give you a great awareness and appreciation for the design and implementation of devices that protect the worker and the traveling public.

Contract Administration

This course will enable you to identify terms, concepts and principles related to the contract administration process. It will give you skills to identify, prevent and correct contractual problems, issues and risks.

Plans Interpretation

This course will provide you with the information you need to be able to read and interpret plans for roadways, drainage ways, and related structures.

Cost Estimating and Construction Math

This course will provide you with skills to put together estimates and calculate quantities. You will learn how to estimate time, materials, labor, and equipment needed to successfully complete Public Works Projects.

National Pollution Discharge Elimination System (NPDES)

Creative, critical, and analytical thinking to understand NPDES permits, goals, objectives that reduce pollutants from entering the waters of the U.S. Calculate the effectiveness to the maximum extent practical environmental technologies, products, and best management practices, and evaluate effectiveness to specific projects. Be able to choose most appropriate and cost-effective methods, technologies, and products.

Future classes will be:

- Public Administration
- Environmental Management
- Green Infrastructure Construction
- Stormwater Management

Instructors

All course instructors are members of the MSA and are considered "Subject Matter Experts". They will not only impart technical knowledge but they will share their skills acquired through their many years of experience. There are some things in our industry that you just can't get out of a book. That is what makes MSA so valuable!