

Middlesex County Fire Academy

PUMP OPERATOR CLASS – 01-1321-26

Water Delivery & Fireground Hydraulics



COURSE OVERVIEW

This intensive 24-hour program provides comprehensive training on fire pump operations, for driver/operator qualifications. Designed for firefighters and officers, the curriculum combines classroom theory with practical, hands-on training on fire apparatus and field exercises.

WHAT YOU WILL LEARN

- **Fire Service Hydraulics:** Theory, flow, and friction loss calculations.
- **Water Supply:** Transitioning from tank to hydrant and establishing drafting operations.
- **Operations:** Large/small diameter handlines, master streams, and foam operations.
- **Advanced Tactics:** Relay operations and sprinkler/standpipe systems.
- **Troubleshooting:** Managing relief valves, governors, and primer systems.

SCHEDULE

- **Class Sessions:** April 14, 16, 21, 23 | 7:30 PM – 10:30 PM
- **Practical Drills:** April 25, 26 | 08:00 AM – 3:00 PM
- **Location:** Middlesex County Fire Academy – 1001 Fire Academy Drive, Sayreville, NJ, 08872

PREREQUISITES

- NJ Firefighter I Certification.
- Valid Driver's License.



REGISTRATION

- 638170827425570000 – Click this link for the Application for Training or scan the above QR code
- **Advanced Class Registration applications should be saved as a PDF and e-mailed to Carolyn.Marottoli@co.middlesex.nj.us**
- **Cost: In-County - \$378.00 Cost: Out of County - \$462.00**
- **Deadline:** Register by April 1, 2026 - Class size is limited to 30 students.