

The following courses are approved educational equivalents for only the City of Tulsa Water and Sewer Department Treatment Plant Operator Family progression program educational requirements.

These courses are not accepted by the City of Tulsa as a substitution for the college education requirements listed in job descriptions outside of the TPO Job Family progression program and will not be considered as part of the certification process unless they are documented on an official college transcript per City of Tulsa Policies and Procedures outlined in PPPM 100.

APPROVED COURSES: The tables below outline approved Sacramento State and American Water Works Association courses and their 'Educational Equivalent' value upon completion.

Wastewater Employee Only Courses			
Course Title	Manual Used	CEU's	Equivalent College Hours
<u>A - Safety, Beginning Treatment, and Lagoon Systems, Vol 1</u>	Operation of Wastewater Treatment Plants, Vol 1, 8th ed.	4.0	1.33
<u>B - Secondary Treatment, Vol 1</u>	Operation of Wastewater Treatment Plants, Vol 1, 8th ed.	3.6	1.20
<u>C - Disinfection, Laboratory Procedures, and Math, Vol 1</u>	Operation of Wastewater Treatment Plants, Vol 1, 8th ed.	4.3	1.43
<u>A - Treatment Plants and Tertiary Treatment, Vol 2</u>	Operation of Wastewater Treatment Plants, Vol 2, 8th ed.	3.5	1.17
<u>B - Solids Management and Plant Maintenance, Vol 2</u>	Operation of Wastewater Treatment Plants, Vol 2, 8th ed.	4.0	1.33
<u>A - Treatment Plants, Effluent Discharge and Reuse, and Odor Control, Vol 3</u>	Operation of Wastewater Treatment Plants, Vol 3, 8th ed.	2.3	0.77
<u>B - Instrumentation and Utility Management, Vol 3</u>	Operation of Wastewater Treatment Plants, Vol 3, 8th ed.	3.5	1.17
<u>Operation and Maintenance of Wastewater Collection Systems, Vol 1, 8th ed.</u>	Operation and Maintenance of Wastewater Collection Systems, Vol 1, 8th ed.	9.0	3.00
<u>Operation and Maintenance of Wastewater Collection Systems, Vol 2, 8th ed.</u>	Operation and Maintenance of Wastewater Collection Systems, Vol 2, 8th ed.	6.4	2.13

Wastewater Employee Only Courses			
Course Title	Manual Used	CEU's	Equivalent College Hours
<u>A - Industrial Waste Treatment - Introduction, Safety, Waste Monitoring, and Preliminary Treatment Vol 1</u>	Industrial Waste Treatment Vol 1, 4th ed.	4.2	1.40
<u>B - Industrial Waste Treatment - Physical and Physical-Chemical Treatment and Treatment of Metal Wastestreams, Vol 1</u>	Industrial Waste Treatment Vol 1, 4th ed.	3.8	1.27
<u>C - Industrial Waste Treatment - Instrumentation and Control and Facility Maintenance, Vol 1</u>	Industrial Waste Treatment Vol 1, 4th ed.	3.3	1.10
<u>Math Applications in Wastewater Treatment</u>	Math Applications in Wastewater Treatment, 1st ed.	3.3	1.10

Water Employee Only Courses			
Course Title	Manual Used	CEU's	Equivalent College Hours
<u>Water Treatment Plant Operation, Vol 1, 7th ed.</u>	Water Treatment Plant Operation, Vol 1, 7th ed.	9.0	3.00
<u>Water Treatment Plant Operation, Vol 2, 7th ed.</u>	Water Treatment Plant Operation, Vol 2, 7th ed.	9.0	3.00
<u>Water Distribution System Operation and Maintenance, 7th ed.</u>	Water Distribution System Operation and Maintenance, 7th ed.	9.0	3.00
<u>Small Water System Operation and Maintenance, 6th ed.</u>	Small Water System Operation and Maintenance, 6th ed.	9.0	3.00
<u>Water Systems Operation and Maintenance Video Training Series</u>	Small Water Systems Video Information Series	3.0	1.00
<u>Math Applications in Water Treatment</u>	Math Applications in Water Treatment, 1st ed.	2.1	0.70

Water Employee Only Courses			
Course Title	Manual Used	CEU's	Equivalent College Hours
Water Treatment Operator Level One	Water Treatment Operator Level One	6.0	2.00
Water Treatment Operator Level Two	Water Treatment Operator Level Two	6.0	2.00
Water Treatment Operator Level Three	Water Treatment Operator Level Three	6.0	2.00

Can be used by both Water and Wastewater Employees			
Course Title	Manual Used	CEU's	Equivalent College Hours
Management for Success: Effective Utility Leadership Practices	Management for Success: Effective Utility Leadership Practices, 1st ed.	3.5	1.17
OSHA 30 Training - General Industry	Varius Vendors - OSHA 29 CFR 1910	3.0	1.00

COURSE WEBSITES:

- California State University of Sacramento:
 - <https://www.owp.csus.edu/courses/catalog.php>
- American Water Works Association – Water Treatment Operator Courses:
 - <https://www.awwa.org/operators#wto-courses>