

UW–Madison
Interdisciplinary Professional Programs
Spring 2024
Water Courses



Interdisciplinary
Professional Programs
COLLEGE OF ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON

go.wisc.edu/Water2024



REGISTER TODAY

**FLEXIBLE COURSES OFFERED
ONLINE, IN-PERSON,
OR ASYNCHRONOUSLY.**

[GO.WISC.EDU/WATER2024](https://go.wisc.edu/water2024)

Water professionals are responsible for protecting and improving the quality and quantity of water resources in our communities. Enroll now in a course from UW-Madison, specially designed for professionals engaged in the design, operation and maintenance of public water supplies, wastewater collection and treatment systems, stormwater management programs and flood control systems. All our courses are approved for Professional Engineering Continuing Education credit.



Testimonials

"Excellent balance of interactive workshops combined with world class instruction."

"Great presenters, networking, and update about what is going on in the industry."

"Excellent knowledge, delivered in an enjoyable way."

"I now have a much greater understanding of treatment and maintenance issues to improve water quality in our system."

Have Questions?

Program Director

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Program Support

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Discounts available

Enroll as a team or enroll in companion courses to save!

See course pages for details.

Scheduled Courses

Corrosion Control and Water Quality Improvement in Drinking Water Distribution Systems

July 1, 2023 – June 30, 2024 | #D182

Online

Fee: \$695 | .5 CEU/5 PDH
interpro.wisc.edu/RA01377

Water quality within municipal water distribution systems and building plumbing is of growing interest to engineers, consultants, and operating professionals throughout the U.S. Taught by nationally known experts, this course combines important principles, latest technologies, and case studies to help you improve and control water quality in your distribution systems and premise plumbing.

Using HEC-RAS to Model Bridges, Culverts, and Floodplains

February 16 – March 22, 2024 | #D109

Online

September 27 – November 1, 2024 | #D110

Online

Fee: \$1195 | 2.1 CEU/21 PDH
interpro.wisc.edu/RA00353

This course will give you hands-on workshop experience applying HEC-RAS to real-world problems.

Aeration Blowers for Wastewater and Industrial Applications

April 15 – May 3, 2024 | #D285

Online

Fee: \$795 | 0.9 CEU/9 PDH
interpro.wisc.edu/RA01856

Blowers are critical to meeting process and energy objectives for water resource recovery facilities and for many industrial processes. This course will provide valuable expertise on blower essentials, with topics ranging from the fundamentals of thermodynamics to routine blower maintenance. Operators and designers will benefit from the instructor's 40+ years of experience in blower applications. The content includes selection, specification, control, and optimization of blower systems. The discussions will explain characteristics of new and established blower technologies.

Advanced Asset Management Practices for Water and Wastewater Utilities

April 30 – May 2, 2024 | #D261

Madison, WI

Fee: \$1495 | 1.5 CEU/15 PDH
interpro.wisc.edu/RA01294

Water and wastewater treatment, collection, and distribution systems are aging quickly. In the U.S. alone, more than \$600 billion of repairs, upgrades and replacements will be needed over the next 20 years. Learn how to prioritize and manage these critical water and wastewater assets wisely, and how to improve the long-term physical and financial health of your system.



Coming Fall 2024

Nutrient Removal Engineering: Phosphorus and Nitrogen in Wastewater Treatment

May 7 – 9, 2024 | #D260

Madison, WI

Fee: \$1595 | 1.9 CEU/19 PDH

interpro.wisc.edu/RA01245

Phosphorous and nitrogen present significant issues for today's wastewater treatment engineers, managers, and regulators. With new and revised regulations, many treatment plants need to further reduce the discharge of effluent nutrients to surface waters to limit the growth of algae and other aquatic vegetation. Learn the principles and the latest technologies to help manage nutrients in your own system and projects.

Carbon Strategy, Management and Reduction

May 14 – June 13, 2024 | #D327

Online

Fee: \$1295 | 2.1 CEU/21 PDH

interpro.wisc.edu/RA01858

Learn how companies integrate climate-related strategies within the context of their broader organizational business strategy. Explore best practices in emissions reporting and the common ways organizations report their GHG emissions and environmental impacts (e.g. CDP, TCFD, etc.). Examine real-world examples and case studies that demonstrate the numerous ways organizations respond to climate change from a wide variety of industrial sectors.

Essentials of Drinking Water Treatment

June 25 – 27, 2024 | #D175

Madison, WI

Fee: \$1595 | 1.7 CEU/17 PDH

interpro.wisc.edu/RA01015

Clean and safe drinking water is one of the most important assets in any city or community. This course will provide you with a good working knowledge of current water regulations, technical principles, recent technology developments, and case study examples so you can improve your organization's water treatment facilities, operations, and future projects.

PE Ethics Workshop: Ethical Considerations in Water, Wastewater, and Stormwater

December 6, 2024 | #D329

Online

Fee: \$195 | 0.2 CEU/2 PDH/2 LU

interpro.wisc.edu/RA01666

Explore current topics in professional ethics for engineers and associated professionals in this popular webinar series.

Carbon Accounting **NEW COURSE**

Students examine how organizations are materially impacted by climate change and how they strategically respond to help minimize risks and maximize opportunities. New opportunities may include reduced costs, increased operational efficiency, new product opportunities, enhanced supply chain engagement and improved brand image.

Essentials of Hydraulics for Civil and Environmental Professionals

A working knowledge of applied hydraulics is essential for civil and environmental engineers and technical professionals. Learn the key principles and techniques to solve practical hydraulic problems associated with water supply systems, wastewater facilities, groundwater, wells, stormwater systems, dams, reservoirs, and pumping facilities.

The Role of Microorganisms in Wastewater Treatment

Wastewater treatment plants depend heavily on the work of microorganisms. This course will help you understand and manage biological processes and improve your wastewater treatment projects and facilities. The course is presented by nationally known microbiologists and engineers, and includes the textbook: "Wastewater Biology—The Microlife."

Wastewater Treatment Processes and Technologies

Well-designed and operated wastewater treatment facilities are essential for the protection of public health and the environment in every city and community. Learn the key processes, latest technologies, and current regulations to help you design, manage and improve your current and future wastewater facilities and projects.

Instrumentation and Control for Water and Wastewater Processes

DESCRIPTION NEEDED

Wastewater Modeling **NEW COURSE**

Well-designed and operated wastewater treatment facilities are essential for the protection of public health and the environment in every city and community. Learn the key processes, latest technologies, and current regulations to help you design, manage and improve your current and future wastewater facilities and projects.



For full course details and to enroll, go to
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