

# GRADUATE CERTIFICATE IN WATER RESOURCES

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Advance your career in water resources planning, management, and policy with this graduate certificate addressing an array of water issues in the western United States and around the world. Expand your knowledge with case studies, geospatial applications and exercises. The program of study emphasizes an understanding of the hydrologic cycle and the physical processes that drive it, how humans adapt water resources to their needs, techniques for sustainable management, the evolution of laws and policies governing water use, and basic spatial and temporal analysis of water data.

After completion of this water resources training program, apply your knowledge to a career in the public or private sector. Career opportunities may be found in forests, parks, wildlife refuges, public lands, special-purpose water districts, academia, water resources engineering and consulting firms, nonprofit organizations, and municipal, tribal, county, state, or federal agencies.

Curriculum: Three courses total, offered through the Department of Ecosystems Science and Sustainability and CSU Online, and geared towards professionals across disciplines. Courses can be taken in any order.

## Effective Fall 2019

**Additional coursework may be required due to prerequisites.**

Code	Title	Credits
WR 511	Water Resource Development	3
or CIVE 544	Water Resources Planning and Management	
WR 512	Water Law for Non-Lawyers	3
WR 514	GIS and Data Analysis in Water Resources	3
Program Total Credits:		9

\*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.