



Water Conflict Management and Transformation Graduate Certificate Requirements

College of Earth, Ocean, and Atmospheric Sciences
Oregon State University

Student's Name _____ **Student ID** _____

E-mail _____ **Date** _____

Students are required to take a total of 18 graduate-level credits from the courses provided below. Upon successful completion of this program, students will have a certificate. Furthermore, with approval these courses may be applied to other graduate degree programs at Oregon State University.

For general information, please visit our website at <http://www.transboundarywaters.orst.edu>

For specific information, contact: Lynette de Silva, Director, Program in Water Conflict Management and Transformation, Oregon State University, 256 Wilkinson Hall, Corvallis, OR 97331.

E-mail: desilval@geo.oregonstate.edu **Phone:** 541-737-7013

Capstone Course work (3 credits required)

- _____ COMM 542. Bargaining and Negotiation Processes (3)
- _____ COMM 546. Communication in International Conflict and Disputes (3)
- _____ WRP 521*. Water Conflict Management and Transformation (3)

Capstone Practicum/Internship (3 credits required)

- _____ WRP 509*. Practicum (3)
- _____ WRP 510*. Internship (3)

Water Governance (3 credits required)

- _____ AEC 532. Environmental Law (4)
- _____ COMM 540. Theories of Conflict and Conflict Management (3)
- _____ FOR 562. Natural Resource Policy and Law (3)
- _____ FOR 563. Environmental Policy and Law Interactions (3)
- _____ GEOG 540*. Water Resources Management in the United States (3)
- _____ GEOG 541*. International Water Resources Management (3)
- _____ PS 575*. Environmental Politics and Policy (4)
- _____ PS 577*. International Environmental Politics and Policy (4)
- _____ WRP 599. Special Topics [*Oregon Water Law and Policy*] (3)

Water and Society (3 credits required)

- _____ ANTH 581*. Natural Resources and Community Values (4)
- _____ ENVE 531. Fate and Transport of Chemicals in Environmental Systems (4)
- _____ ENVE 532/OC 532. Aquatic Chemistry: Natural and Engineered Systems (4)
- _____ ENVE 554. Groundwater Remediation (4)
- _____ ENVE 556. Sustainable Water Resources Development (3)
- _____ FES/FW/SOC 585*. Consensus and Natural Resources (3)
- _____ GEOG 530. Resilience-Based Natural Resource Management (3)
- _____ H 512. Introduction to Environmental & Occupational Health Sciences (3)
- _____ H 514. Environment, Safety and Health Seminar (1)
- _____ H 527. Critical Assessment of International Health Programs (3)
- _____ H 528. Global Health Issues (3)
- _____ H 529. International Health (3)
- _____ H 540. Water and Human Health (3)
- _____ H 541. Air Quality and Human Health (3)

- _____ PHL 540. Environmental Ethics (3)
- _____ PHL/REL 543. World Views and Environmental Values (3)
- _____ PS 577*. International Environmental Politics and Policy (4)
- _____ SNR 520*. Social Aspects of Sustainable Natural Resources (3)
- _____ SOC 580*. Environmental Sociology (4)
- _____ SOC 581*. Society and Natural Resources (4)
- _____ WRP 524. Sociotechnological Aspects of Water Resources (3)

Water and Ecosystems (3 credits required)

- _____ BEE 512. Physical Hydrology (3)
- _____ BEE 558. Nonpoint Source Pollution Assessment and Control (3)
- _____ FE 530. Watershed Processes (4)
- _____ FE 532. Forest Hydrology (4)
- _____ FW 526. Coastal Ecology and Resource Management (5)
- _____ FW 579*. Wetlands and Riparian Ecology (3)
- _____ GEOG 523. Snow Hydrology (3)
- _____ MNR 511*. Introduction to Sustainable Natural Resources (3)
- _____ SNR 530*. Ecological Principles of Sustainable Natural Resources (3)
- _____ SNR 540*. Global Environment Change (3)
- _____ WRS 532. Applied Field Problems (3)
- _____ WRS 536. Fundamentals of Hydrology (3)

Water and Economics (3 credits required)

- _____ AEC 505. Reading and Conference (3) or AEC 507. Seminar (3)
- _____ AEC 534*. Environmental and Resource Economics (3)
- _____ AEC 550. Environmental and Natural Resource Economics (4)
- _____ AEC 551. Applications of Environmental and Natural Resource Economics (4)
- _____ SNR 521*. Economics of Sustainable Natural Resource Management (3)
- _____ WRP 523*. Environmental Water Transactions (3)
- _____ WRP 599. Special Topics [The Business of Water] (3)

Total=18 credits

Advisor guidance and approval is required for each student's certificate program of study.
The Capstone courses are designed to take towards the end of the program of study.

Descriptions of these courses and when they are taught can be accessed at <http://catalog.oregonstate.edu/>.

Note that courses with an asterisk (*) are also offered online. For the most current list of available online courses, see <http://ecampus.oregonstate.edu/online-degrees/graduate/water-conflict-management/curriculum.htm>.

All students seeking a graduate certificate or graduate minor are subject to all general policies governing the courses for the master's degree. As such, these students will be required to take a minimum of 50% graduate stand-alone credits. The remaining credits may be the 500 component of 400/500 slash courses.

Pursuant to the OSU Curricular Procedures Handbook, the graduate certificate program must be completed by the time the associated post-graduate degree is conferred. If a student is admitted to the university and admitted solely in the certificate program, the student has two years to complete the program.