Developing "The Water College"— A vision for Lane Community College

- capitalizing on Lane's unique natural resources from upland forests to wetlands
- contributing to our strengths and values in sustainability education
- building on strong technical programs combined with quality field sciences
- engaging community partners and agencies in training for emerging green careers

	Watershed Science Technician	**Water Conservation Technician**
Career focus	Multidisciplinary fields that survey and assess watersheds and develop strategies and solutions to maintain and restore healthy water resources.	Efficiency of water use in the residential, commercial, manufacturing and agricultural fields and reduction of the impacts of urban infrastructure on the environment.
Job titles	Watershed resource conservation professionals, stream restoration or water quality technicians, assistant stream ecologists, assistant forest ecologists, environmental technicians, or natural resource specialists.	Water management specialist, water conservation technician, water conservation specialist, water efficiency specialist, water conservation program specialist, water auditor/designer, hydraulic modeler, water resources, green water advisor.
Shared classes	**14 classes, see highlights on AAS program plan**	
General classes unique to each	ENVS 183 Aquatic Environment GS 101 Nature of the Northwest BI 103F General Biology: Wildflowers of Oregon BI 103J General Biology: Forest Ecology	BT 123 MS Excel for Business WR 121 Introduction to Academic Writing ECON 260 Introduction to Environmental and Natural Resource Economics CG 203 Human Relations at Work
Career technical classes unique to each	GS 102* General Science: Field Methods WST 2xx* Soils Field Methods WST 225* Riparian Field Methods WST 226* In-stream Field Methods WST 2xx* Watersheds and Hydrology WST 2xx* Watershed Best Practices (capstone) WST 2xx* Prairies to Woodlands Field Methods WST 2xx* Invasive Species Field Methods WST 2xx* Threatened and Endangered Species Field Methods WST 2xx* Wetland Field Methods WST 280* Coop Ed Internship	WATR 105 Water Conservation: Residential WATR 206 Co-op Ed: Water Conservation Seminar WATR 107 Water Conservation: Outdoor WATR 210 Water Conservation: Industrial, Commercial WATR 208 Water Conservation: Agricultural WATR 215 Integrated Water Resources Management WATR 221 Water Mechanical Systems WATR 280 Co-op Ed: Water Conservation

Watershed Science Technician AAS, Two-Year Career Technical Program

Term 1 - Fall		Credits
WATR 102	Water Careers Exploration (now 199)	3
WATR 101	Introduction to Water Resources	3
ENVS 181	Terrestrial Environment	4
MTH 095	Intermediate Algebra	5
	Total	15
Term 2 - Winter		
SUST 101	Introduction to Sustainability	3
ENVS 183	Aquatic Environment	4
GIS 180	Digital Earth	4
WR 121	Introduction to Academic Writing	4
Human Relations/ Social Science	See AAS requirements; will recommend options	3
	Total	18
Term 3 - Spring		
GS 101	Nature of the Northwest	4
GS 102*	General Science: Field Methods	2
BI 103F	General Biology: Wildflowers of Oregon	4
WATR 222	Stormwater Management (currently 199SW)	4
WST 2xx*	Soils Field Methods	1
	Total	15
Term 4 – Fall		
BI 103J	General Biology: Forest Ecology	4
WATR 261	Regional Water Policy	4
WST 225*	Riparian Field Methods	2
WST 226*	In-stream Field Methods	2
WR 227	Technical Writing	4
	Total	19
Term 5 – Winter		
GIS 245	Maps and Spatial Information	4
WST 2xx*	Watersheds and Hydrology	4
WST 280*	Cooperative Education Internship	3
HE 255	Global Health and Sustainability	4
WATR 202	Fostering Sustainable Practices	3
	Total	18
Term 6 – Spring		
WST 2xx*	Watershed Best Practices (capstone)	4
GIS 246	Introduction to GIS	4
WST 280*	Cooperative Education Internship	3
Field methods: Select minimum 4 credits from the following options-		
WST 2xx*	Prairies to Woodlands Field Methods	2
WST 2xx*	Invasive Species Field Methods	1
WST 2xx*	Threatened and Endangered Species Field Methods	1
WST 2xx*	Wetland Field Methods	2
	Total	15
	Total Program Credits	100

* proposed new class