

Wolaita Sodo University Career path prototype

Department of Environmental Sciences

Graduate profile of Environmental science department

Department	Degree Nomenclature	Expected competences from graduates		Where they going to be hired
		Practical skill	Soft skill	
Environmental Science	Environmental Science with (Environmental Resource Management , sanitation, and climate change, energy and atmosphere) focus	<ul style="list-style-type: none"> ✓ Plan, analyze, control and rehabilitate environment(soil, water, air) ✓ Biodiversity conservation and management(plant, animal, microorganisms) in in-situ and ex-situ ✓ Natural and occupational hazard management ✓ Rehabilitating degraded land and weeds controlling ✓ Environmental impact assessment ✓ Environmental management and standardization ✓ Waste water treatment 	<ul style="list-style-type: none"> • Knowledge on theory and techniques of environmental modeling and mapping device and instruments • Being a team member communicative, cooperative and transparent • Working independently, assuming responsibility 	<ul style="list-style-type: none"> ✓ in municipality sector in urban greening and sanitation processes ✓ In environment forest and climate change sector ✓ In water and irrigation sector ✓ Energy sector ✓ Agricultural sector ✓ Environmental protection authority ✓ Science and technology sector ✓ Research and education sector ✓ Trade and transportation sector ✓ Railways ✓ Construction sector ✓ Urban and housing sector

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		<ul style="list-style-type: none">✓ Solid waste management and control✓ Greening an urban and other environment✓ Environmental policy analysis✓ An alternative energy usage✓ Forest resource and carbon sequestration✓ Analysis and mapping natural environment in GIS✓ Climate change mitigation and adaptation✓ Test and analysis soil and water sample✓ Conducting research and project in environmental issue	<ul style="list-style-type: none">• Leading, motivating and caring professionals• Managing the project, productions man power and resources effectively• Learning life long, improving the skills and exploring new areas• Observing national and international standards and regulation	<ul style="list-style-type: none">✓ Safety net program✓ Demography sector✓ Labour and social affair sector as occupational safety hazard processes✓ EIA consultancy organization✓ National parks and museums✓ Herbarium and biodiversity conservation institutions✓ wild life conservation authority✓ industries✓ NGOs
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