

Programme Career Path Diagram

Academic Background

Science (General)
 Science (Physics/Maths)
 Science (Microbiology)
 Science (Geography)
 Environmental Science
 Environmental Health
 Environmental Management
 Science (Marine Ecology)
 Civil Engineering (General)
 Civil Engineering (Construction)
 Civil Engineering
 Engineering (General)
 Chemical Engineering
 Mechanical Engineering
 Environmental Engineering
 Science (Hydrology)
 Science (Agriculture)



Stream Specialisation

Stream 1

Ecosystem and Catchment Management

- Ecosystems modeling
- Integrated Catchment Management
- Environmental Risk Management

Stream 2

Management of Water Infrastructure

- Water Resources Engineering
- Environmental Modelling, Management & Design
- Geographical Information Systems
- Strategic Asset Management
- Facillites Programme Management

Stream 3

Water Quality and Treatment

- Water & Wastewater Treatment Processes
- Water Reclamation & Reuse
- Environmental Systems Design
- Water Quality Modelling & Management
- Design of Flood & Drainage Systems

Stream 4

Groundwater Hydrology/ Hydrogeology

- Hydrochemistry
- Geological & Sedimentary Processes
- Groundwater & Soil Hydrology
- Surface Water Hydrology

Stream 5

Irrigation

- Irrigation Factors, Practice & Management



Potential Positions

Catchment Care Officer
 Catchment Liaison Officer
 Catchment Project Officer
 Research Officer
 Natural Resource Project Officer

Watershed Coordinator
 Senior Project / Program Officer
 Water Resources Planner
 Environmental Resources Planner
 Policy Analyst
 Civil Engineer
 Public Utility Rate Analyst

Water Quality Engineer / Specialist
 Environmental Coordinator Water Quality
 Solid Waste Engineer
 Water and Wastewater Treatment Manager
 River Health Officer (Water Quality)
 Salinity Management Officer

Hydrologist
 Hydrogeologist
 Data Analyst – Hydrology
 Development Officer – Hydrology
 Hydrology Modeller
 Groundwater Communication Officer

Agronomist
 Technical Officer
 Extension Specialist
 Animal Production Advisory Officer
 Farm Manager

Programme Career Path Diagram Links

Graduate Career Profiles

Flinders University of South Australia
http://www.flinders.edu.au/careers/student/Your_Career/hearothersspeak.html

Melbourne Water Graduate Profiles
http://www.melbournewater.com.au/content/careers/graduate_development_program/graduate_profiles.asp

Employment Links

Cracker (Science Jobs in Queensland)
<http://cracker.com.au/brisbane/jobs/scientific/search.aspx?categoryid=3530®ionid=3000>
CSIRO
<http://www.csiro.au/people/careers.html>

NRM (Natural Resource Management) Jobs (Australia, NZ)
<http://www.nrmjobs.com.au>

SA Water (South Australia)
<http://www.sawater.com.au/SAWater/AboutUs/CareersTraining/>

Department of Primary Industries and Water (Tasmania, Australia)
<http://www.jobs.tas.gov.au/browse/department/index.php?dept=dpw>

Sydney Water
<http://www.sydneywater.com.au/WhoWeAre/CareerOpportunities/>

Department of Water, Land and Biodiversity Conservation (DWLBC – South Australia)
<http://www.dwlbc.sa.gov.au/careers/index.html>

United Water (Australia, NZ)
http://www.uwi.com.au/frames_hr.php

EnviroJobs Network Australia
<http://www.envirojobs.com.au/>

Veolia Water (Australia, NZ)
<http://www.veoliawater.com.au/en/access/career/>

Environmental Jobs Network (Victoria, Australia)
http://www.eco.org.au/home.php?id_number=000009

Water Jobs
 WaterJobs is a weekly email service which lists employment positions available in the environment management, natural resource, environmental engineering, environmental health and environmental science fields.
<http://www.waterjobs.com.au/>

Melbourne Water
<http://melbournewater3.clients.pageup.com.au/searchresults.asp>

International Water Association
<http://www.iwapublishing.com/template.cfm?name=careers>