Water Faculty

Sangamesh V. Angadi (Water Efficient Crops); Steve Archambault, (Development Economics); A. Salim Bawazir (Evapotranspiration) ; Max P. Bleiweiss, (Remote Sensing) ; Wiebke Boeing, (Aquatic Ecology); Christopher Brown (GIS Applications); Susan Brown, (NMSU); Colleen A. Caldwell (Aquatic Contaminants); K.C. Carroll (Hydrogeology and Contaminant Transport); David E. Cowley (Aquatic Ecology); Michael N. DeMers (Geographic Information Systems); Shuguang Deng (Water Treatment); Cara Downes (Economics); David W. DuBois (Climatology); Daniel P. Dugas (Geomorphology); A.G. Sam Fernald (Water Quality Hydrology); Jose Z. Garcia (U.S./Mexico Water Policy); Abbas Ghassemi (Energy Water Management); Ryan M. Goss (Irrigation); William R. Gould (Statistical analysis); Steven J. Guldan (Acequia Irrigation Systems); Jeffrey Herrick (Ecosystem Disturbance Ecology); Brian H. Hurd (Economics); Michael D. Johnson (Aqueous Chemistry); J. Philip King (Surface Water Hydrology); Antonio S. Lara (Water Quality); Bernd Leinauer (Irrigation Water Conservation); J. Thomas McGuckin (Economics); Martha C. Mitchell (Water Quality); H. Curtis Monger (Waste Water Treatment); Mick O'Neill (Micro Irrigation); Lambis Papelis (Aquatic Chemistry); Jim T. Peach (Demographics and Water Design); Geno A. Picchioni (Plant Physiology); Richard C. Pratt (Environmental Science); Albert Rango (Snow Hydrology); David A. Rockstraw (Water Treatment Technology); Rossanna Sallenave (Aquatic Research); Zohrab A. Samani (Water Resource Development); Manoj K. Shukla (Flow and Chemical Transport in Soil); Rhonda K. Skaggs (Irrigation Economics); Geoffrey B. Smith (Environmental Microbiology); Robert G. Smits (Biological Mechanisms); Rolston St. Hilaire (Environmental Physiology); Caiti M. Steele, (Kingís College, University of London-UK); Kenny Stevens (Solar Water Distillation); Blair L. Stringam (Irrigation); April L. Ulery (Water Quality for Irrigation); Jacob Urquidi (Physics of Molecular Liquids); Hugo Vilchis-Lincon (Water Borne Diseases); Frank A. Ward (Economics/Polcy); Benjamin Widner (Urban/Regional Economics); Pei Xu (Wastewater Engineering)

Deadlines

Fall - March 15th

Spring - October 1st

For More Information

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Water Science and Management

NM STATE UNIVERSITY

Live, Learn and Thrive.™

Water Science and Management

New Mexico faces serious challenges concerning the supply, development, quality, management, and administration of water resources; responses to the challenges will have major impacts on the regional economy, environmental quality, and the quality of life of the residents of New Mexico.

Master of Science

- Possession of a bachelor's degree from an accredited university grade point average of 3.5 or higher on a 4.0 scale.
- Three letters of recommendation submitted directly from persons who know the applicant professionally.
- A letter of intent or statement of purpose that addresses individual professional and personal goals related to water science and management.
- A brief resume or curriculum vitae not to exceed five pages that summarize the candidate's background and qualifications.

Purpose

The primary purposes of the interdisciplinary master's and doctoral degree programs in WSM are to provide graduate education for addressing state, national, and international water issues, and to train the next generation of water professionals.

Doctor of Philosophy

- Possession of a bachelor's degree from an accredited university grade point average of 3.5 or higher on a 4.0 scale.
- Three letters of recommendation submitted directly from persons who know the applicant professionally.
- A letter of intent or statement of purpose that addresses individual professional and personal goals related to water science and management.
- A brief resume or curriculum vitae not to exceed five pages that summarize the candidate's background and qualifications.
- In addition, applicants to the Ph.D. program should provide a master's thesis, a professional paper, peer reviewed manuscripts, consulting reports, or other evidence of experience conducting research.

Fields of Study

Five possible focus areas are detailed below:

- Agricultural Water Resources relates to the major use of ground and surface water in providing safe and secure food systems while ensuring ecosystem services.

- Watershed, Riparian, and Aquatic Systems includes the processes of organizing and guiding land and other resources used in a river basin to provide desired goods and services without adversely affecting soil and water resources.

- Water Quality and Treatment includes processes used to make water acceptable for desired end-uses.

- Water Economics and Policy examines the demand for water by all its competing uses, including irrigated agriculture, energy, urban supply, and environmental restoration and management.

- Water Informatics is an interdisciplinary science primarily concerned with the collection, classification, manipulation, storage, retrieval and especially the dissemination of water information, including both human and machine readable documents.