## Engineer II

Apply now JOB NO:515065 WORK TYPE:Staff Full-Time LOCATION:Collier CATEGORIES:Agriculture/Life Science/Vet Medicine, Engineering/Computer Science DEPARTMENT:60910000 - AG-SWFREC-IMMOKALEE

CLASSIFICATION	Engineer II
TITLE:	C C

JOB DESCRIPTION: • • • • • • • • •	Design, construction, testing, installation, and maintenance of environmental monitoring systems for agricultural and biological systems (e.g. water quality auto samplers, data loggers, water level recorders, soil and plant measurement devices) including datalogger programming with focus on hydrology water quality and associated linkages. Design and implementation of experimental protocols as well as QA/QC protocols of the monitoring data acquired from the systems described. Implementation of research projects including lab/field experiments and coordination of data collection and field activities. Supervision of field assistants/technicians and other project staff and develop priorities in consultation with the water resources specialist. Collection of data when qualified staff are not available QA/QC of collected data on different components including hydrology and water quality. Data analysis and report writing for water resources and development of automation tools (including web-based and mobile Apps) Delivery of water resources extension programs in conjunction with water resources specialist and represent the SWFREC water resources program at state, federal, and international meetings. Co-authorship of refereed and non-refereed research and extension papers Purchase equipment and supplies, development of construction bids, keep inventory, and supervision of infrastructure constructions related to water resources engineering projects led by the supervising professor
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	<ul> <li>Assist in exploring research funding and co- development of research funding proposals</li> <li>May supervise hourly OPS staff and/or graduate assistants</li> <li>Travel to offsite fields or to attend conferences which may on occasion be out of state. May require travel internationally to attend conferences</li> </ul>
EXPECTED SALARY:	Salary is commensurate with education and experience
MINIMUM REQUIREMENTS:	Bachelor's degree in an appropriate area and two years of relevant experience. A high school diploma or equivalent with six years of relevant experience; appropriate college coursework or vocational/technical training may substitute at an equivalent rate for the required experience. Valid driver license
PREFERRED QUALIFICATIONS:	<ul> <li>Bachelor's degree in agricultural/civil/mechanical/electrical or other engineering or in agricultural operations and management or science (agronomy/soil and water science/biology/environmental/geology or other related discipline) with adequate experience in hydrology instrumentation, data logger programming, and data collection.</li> <li>Masters degree in natural sciences and engineering</li> <li>Experience in project management</li> <li>Knowledge of computer programming</li> <li>Knowledge and experience in use of GIS tools for natural systems</li> <li>Knowledge of internet programming (e.g. HTML, JAVA script) for developing web-based water and natural systems , decision support systems</li> <li>Background in hydrology/agricultural/natural sciences</li> <li>Experience in testing and installation of instruments used in hydrology</li> <li>Experience in instrumentation and electronics</li> <li>Knowledge of the terminology, principles and techniques used in research, analysis or testing</li> <li>Knowledge of the procedures, techniques and equipment used in laboratory testing and analysis</li> </ul>

• Knowledge of the methods of data collection

SPECIAL INSTRUCTIONS TO APPLICANTS: In order to be considered, you must upload your cover letter, resume, and a list of a minimum of three references with contact information (phone number and e-mail address). Application must be submitted by 11:55 p.m. (ET) of the posting end date