The Human Resources Office is accepting applications for the following job vacancy in the Office of Information Technology.

Position: Sr Programmer Analyst
PIN: 6054
Starting Salary: $52,899.65
Location: Information Technology – Enterprise Support Branch

Minimum Qualifications:

A Bachelor's Degree from an accredited four-year college or university in Computer Science, Business Information systems, or a related field; **AND** Four (4) years of directly related experience.
OR
An Associate's Degree in Applied Science in a Technical Program in an area of Information Technology approved by the IT Professional Development Committee; **AND** Four (4) years of directly related experience.
OR
An Associate's Degree from an accredited two-year college in Computer Science, Business Information systems, or a related field; **AND** Six (6) years of directly related experience.
OR
Graduation from a standard four-year high school or equivalent (GED or High School Equivalency Diploma); **AND** Eight (8) years of directly related experience.

Substitution Statement:

Related education and directly related experience may be substituted on an equal basis.
Possession of an Institute for Certification of Computer Professionals (ICCP) certificate based on successful completion of an examination may be substituted for one (1) year of the required experience.
Certificate must be attached.

Primary Functions:

This position will be specifically focused on security applications, systems, and other components of the agency IT infrastructure that provide information security and protection to the agency. Duties will include, but are not limited to, the following:

- Develop and use penetration testing tools and scripts to detect vulnerabilities within MDEQ systems & networks.
- Develop agency-wide best practices, policies, and procedures for IT security consistent with the ITS Enterprise Security Policy
- Install security measures & operating software that protect systems & information infrastructure.
- Teach information security management skills to colleagues, assisting with installation and use of security software.
- Monitor computer networks for security issues and impacts caused by security measures.
- Investigate and document security breaches to assess and mitigate the damage.
- Patch detected vulnerabilities to maintain a high-security standard.
- Maintain current knowledge through research about changes in security standards and enhancements and make recommendations to management on how to implement needed changes.
- Create documentation for security compliance base on best practices and ITS policies and standards.
- Follow the Cybersecurity Incident Notification Response Standard when addressing a cybersecurity incident notification received from ITS.
- Develop Agency guidance for Information Retention, Redaction, and encryption for MDEQ systems to follow Federal guidance and mandates.