

**INGHAM COUNTY
JOB DESCRIPTION**

**NETWORK ADMINISTRATOR
LEVEL III**

Summary:

Under minimal supervision of the MIS Director, leads in the design, implementation, management and maintenance of the county's data communications network and associated hosted sites. Provides advanced technical support for the county's Local Area Network (LAN) and Wide Area Network and supports other MIS personnel. This is a senior-level position and is responsible maintaining the integrity and security of the county's data communications network.

Duties and Responsibilities:

The Network Administrator performs some or all of these duties and responsibilities on a daily basis:

- Designs, configures, manages and maintains the county's files servers, routers, switches, firewalls, and other LAN/WAN devices to ensure maximum availability and security.
- Proficient at analyzing and determining customers business needs, current computer and network systems technology, vendor offerings, budget requirements, and developing solutions to ensure the highest level of customer satisfaction.
- Develops and maintains standards for the county's wiring infrastructure, equipment, security, vendors, routing protocols, platforms, and applications.
- Contributes in the planning, leadership, direction, and advanced technical expertise regarding computer, network, resources, and services for both LAN's and WAN's and the world-wide Internet.
- Serves a high-level technical expert and technical escalation point in regards to the county's network, MIS staff and associated issues.
- Lead architect and (or) Project Manager for complex county hardware and software information technology projects and ensures projects are completed within budget and on-time. Coordinates with other resources, departments, organizations and agencies.
- Responsible for the security of the county's network including password access, file access, intruder access, and protection against viruses and SPAM.
- Performs user analysis, trouble shoots problems, and follows through to resolution.
- Develops and maintains documentation of network infrastructure.
- Proactively provides mentoring of other MIS staff.
- Escalates problems and issues to management as needed.

Minimum Job Requirements:

Possess a Bachelor degree in Computer Science or equivalent technical certification. Or, 5 - 7 years of Information Systems work experience in a complex LAN/WAN environment. Industry recognized technical certification such as a Cisco CCNA or Microsoft MCSE preferred but not required.

Possession of a valid Michigan Driver's License.

Knowledge, Skills and Abilities Required:

- Strong interpersonal and communications skills and the ability to work effectively with a wide range of people in a diverse community.
- Advanced working knowledge of Networking concepts, Routing/Switching, Operating System technologies, Security, IP, advanced protocols and the Internet.
- Advanced systems knowledge, architecting/design skills, documentation and methodical problem solving skills.
- Must possess leadership qualities.
- Must be customer service oriented.
- Must be courteous and polite.
- Excellent verbal, telephone, and written etiquette.
- Proven ability to delegate work, follow instructions, work under supervision, and multi-task.
- Ability to effectively lead a team.
- Advanced effective and efficient troubleshooting and problem solving skills.
- Must be reliable and possess excellent organizational skills.

Working Conditions and Physical Requirements:

- Ability to lift, move and inspect computer terminals, printers and related equipment.
- Ability to enter and access information from a computer.
- Capable of sitting for prolonged periods of time at a computer screen.
- Ability to access all areas of the department with data processing or communication equipment.
- Ability to operate general office equipment such as computers, copiers, fax, etc.
- Works in office conditions but may be required to visit other department locations with data processing and related communication equipment.

The qualifications listed above are intended to represent the minimum skills and experience levels associated with performing the duties and responsibilities contained in this job description. The qualifications should not be viewed as expressing absolute

employment or promotional standards, but as general guidelines that should be considered along with other job-related selection or promotional criteria.

*Approved 08-26-2008
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