

# SYSTEMS ANALYST

**What do they do?** Design and develop solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions.

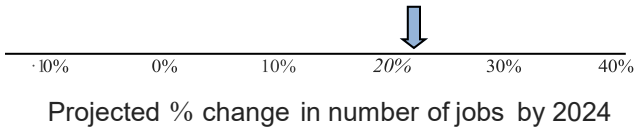
**People with these roles and responsibilities are also called:**

Systems Engineer, Electronic Data Interchange System Developer (EDI System Developer), System Architect.

**Some typical job duties include:**

- Communicate with staff or clients to understand specific system requirements. Provide advice on project costs, design concepts, or design changes.
- Document design specifications, installation, instructions, and other system-related information.
- Verify stability, interoperability, portability, security, or scalability of system architecture.
- Collaborate with engineers or software developers to select appropriate design solutions or ensure the compatibility of system components.

## Michigan Job Outlook "Faster than average" (+22.6%)



National Job Outlook through 2024: 22.6%

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## Most Important Occupational Skills

### BASIC SKILLS

Active Listening  
Critical Thinking  
Reading Comprehension

### PROBLEM SOLVING SKILLS

Complex Problem Solving

### SYSTEMS SKILLS

Judgment/Decision Making  
Systems Analysis  
Systems Evaluation

### SOCIAL SKILLS

Instruction  
Coordination  
Persuasion

### TECHNICAL SKILLS

Operations Analysis  
Programming

### RESOURCE MANAGEMENT

Mgmt of Financial Resources  
Time Management  
Mgmt of Personnel

## How much did these jobs pay in 2016?

Average: \$91,620 per year  
(\$44.05 per hour)

## Career Pathway and Educational Requirements

Entry-level (\$50,000-\$80,000)

Mid-level (\$70,000-\$110,000)

Executive (\$100,000+)

Systems Engineer



Senior Systems Engineer



Chief Information/Technology Officer

### REQUIRED FOR ENTRY

Bachelor's degree or equivalent experience

### REQUIRED FOR ADVANCEMENT

Bachelor's degree  
Project management experience  
Multiple years related work experience

### REQUIRED FOR ADVANCEMENT

Bachelor's degree  
Many year related work experience  
Professional certifications

## SOME CERTIFICATIONS THAT CAN HELP YOU ADVANCE:

Systems Engineering Certification (International Council on Systems Engineering, unavailable online)

Accredited Systems Engineer -ASE (Hewlett Packard, available online)

Microsoft Certified IT Professional- MCITP (Microsoft, available online)