

INFORMATION TECHNOLOGY PROGRAMMER

An IT analyst or programmer ensures that writing, testing and maintenance of computer programs and applications are analyzed to meet user and process needs.

WHAT RESPONSIBILITIES WILL I HAVE?

- Design all or part of an information system
- Oversee program design activities to ensure they meet business process objectives
- Analyze development objectives against corporate objectives and problems specified by analysts and/or designers
- Perform all programming and/or configuration assignments
- Define and incorporate system security and control procedures to protect data entrusted to assigned systems
- Analyze and resolve software errors in a timely and accurate fashion
- Ensure the documentation for programming, users of the system and other support service workers meet overall business process
- Provide status reports where required
- Draft design specifications for software applications
- Create and maintain documentation for code and/or configuration throughout the system development lifecycle
- Ensure the testing of the programs meet acceptance criteria
- Train end users on established programs
- Provide on-call support and problem resolution
- Perform required maintenance and install enhancements to ensure effective operation of systems



WHAT EDUCATION & TRAINING IS REQUIRED?

Associate's or bachelor's degree in computer science, information systems or other technical area

THE FOLLOWING HIGH SCHOOL COURSES ARE RECOMMENDED...

Agricultural education, mathematics, computer courses

TYPICAL EMPLOYERS

Medium to large-scale agricultural companies with internal and external software needs

FUTURE JOB MARKET/OUTLOOK



SUGGESTED PROFESSIONAL ORGANIZATIONS & ASSOCIATIONS

- Association of Information Technology Professionals
- National Association of Programmers
- Network Professionals Association
- Software Development Forum

AVERAGE ANNUAL FULL-TIME SALARY

\$77,000