Explore a Career as a
COMPUTER PROGRAMMER

What do Computer Programmers do?

Computer programmers write and test code that allows computer applications and software programs to function properly. They also turn the program designs created by software developers and engineers into instructions that a computer can follow. In addition, they test newly created applications and programs to ensure expected results are produced. If not, codes are inspected for mistakes and rewritten. Programmers work closely with software developers, and in some businesses their duties overlap. When such overlap occurs, programmers can do work that is typical of developers, such as designing the program. Program design entails planning the software initially, creating models and flowcharts detailing how the code is to be written, writing and debugging code, and designing an application or systems interface.

Computer Programmers are in demand in Grundy County!

Grundy County employment of computer programmers is expected to grow through 2020.

Training & Educational Opportunities

You will have plenty of employment opportunities as a computer programmer, but first you will have to earn a bachelor or associate degree. Most employers prefer those with a bachelor degree. Programmers who work in specific fields, such as healthcare or accounting, may take classes to specialize in that field to supplement their degree in computer programming. In addition, employers value experience, which many students gain through internships.

As a Computer Programmer you will:

➢ Create and test code in an integrated development environment (IDE)
➢ Test programs for errors and fix the faulty lines of computer code
➢ Update and expand existing programs

➢ Use code libraries, which are collections of independent lines of code, to simplify the writing
➢ Write programs in a variety of computer languages, such as C++ and Java

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Computer Programmer

Training Provider

The following certified training provider offers programs and certifications to train for a career as a computer programmer:

- Joliet Junior College

Career scholarships may be available if you qualify.
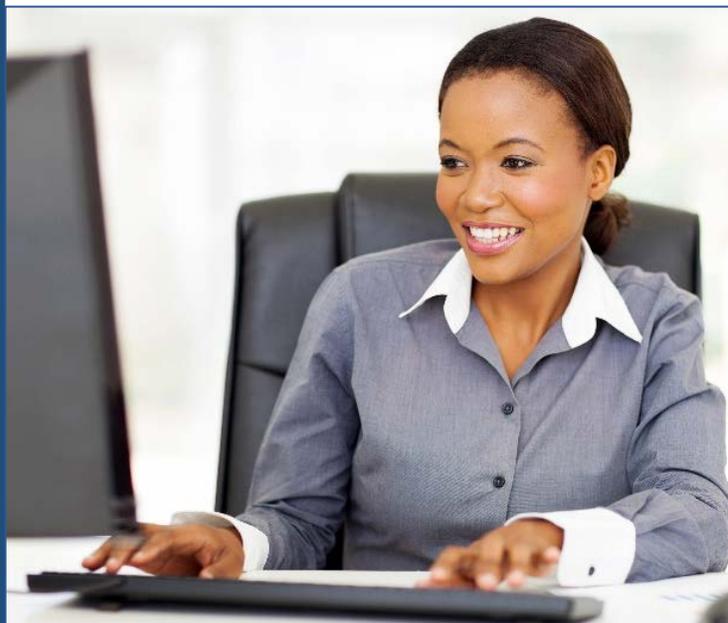
Types of Employers

There are many different types of companies that employ computer programmers in Grundy County, including:

- Consulting companies
- Software companies
- Technology companies
- Trading companies

Wages & Openings

Computer Programmer Employment Data for Grundy County	
Average Starting Hourly Wage	Insf. Data
Average Hourly Wage With Experience	Insf. Data
Average Annual Job Openings Grundy County	~10
Average Annual Job Openings Chicago Metro	332

Opportunities

After earning your degree in computer programming, you will have many opportunities for advancement. Some opportunities include:

- Computer and Information Systems Manager
- Computer Hardware Engineer
- Computer Network Architect
- Computer Systems Analyst

Grundy Workforce Services
www.jjc.edu/grundy-workforce
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