There are software and hardware jobs in digital media. Hardware jobs deal with computer systems and networks. With more people using smart phones and tablets, the number of hardware jobs has increased even more. Computer engineers design and develop computer systems—the physical structures of a computer such as circuits, networks, etc. Software engineers develop programs that run on the hardware.

Entry-level jobs include help-desk specialists and field technicians. Help-desk specialists work with users to solve their technological problems. Field technicians install equipment for users. Examples of higher-level positions include programmers and web developers. These jobs require a four-year degree and a substantial amount of technical knowledge and expertise.

The industry changes so fast that people need to be able to learn quickly and be flexible. Most jobs are salaried, but there are freelance jobs too. What you know, how well you know it, and how well you communicate your knowledge and skills are especially important in the interview process for technology jobs. Even more important, how well you are paid will depend on your combined knowledge, skill, and experience.

At any given time, there are programming languages and software applications that are in high demand. It is important to know which ones employers are looking for when you are interviewing for a job.

CTE Program Info:
http://accnetlogin.org/cte

Career Exploration:
http://explorecareer.com/

Guest Speakers:
http://explorecareer.com/

Types of employment for this sector

<table>
<thead>
<tr>
<th></th>
<th>HOURS/WEEK</th>
<th>WORK SCHEDULE</th>
<th>COMPENSATION</th>
<th>PAYMENT SCHEDULE</th>
<th>COMMON BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-Time</td>
<td>Usually 35+</td>
<td>Steady</td>
<td>Annual</td>
<td>Weekly or bi-weekly</td>
<td>Paid sick leave, vacation, health insurance, retirement savings</td>
</tr>
<tr>
<td>Part-Time</td>
<td>May vary</td>
<td>Hourly</td>
<td>Weekly or bi-weekly</td>
<td>Usually none</td>
<td></td>
</tr>
<tr>
<td>Temp</td>
<td>As available</td>
<td>Varies</td>
<td>Hourly</td>
<td>Weekly or bi-weekly</td>
<td>Usually none</td>
</tr>
<tr>
<td>Self-Employed</td>
<td>Varies</td>
<td>Varies</td>
<td>As negotiated with clients</td>
<td>Upon completion of work or on a schedule of deliveries</td>
<td>None; must pay own taxes and health insurance</td>
</tr>
</tbody>
</table>

Some careers may have corresponding UNIONS that eligible workers can join. These groups typically require employers to pay higher than comparable salaries to members than those of non-union positions. Unions may also negotiate additional benefits with employers on behalf of their members.
Increasing levels of education and/or training required

Some college and/or moderate experience

**Computer Support Specialist**
$45,201/year

Provide technical assistance to computer users, resolve problems for clients, provide assistance with computer hardware and software.

**Web Developer**
$44,533/year

Design, create, and modify Web sites using modern standards. Analyze user needs to implement content, graphics, and functionality.

**Tech Retail Salesperson**
$22,714/year

Sells software, computers, and peripherals—such as printers and monitors—to consumers in a retail setting.

**Sales Engineer**
$87,506/year

Sells IT hardware or services to business customers. Requires a technical background equivalent to a 4-year degree in computer science or engineering.

**Health Information Technician**
$34,091/year

Assembles patient health information, analyzes data to improve patient care, controls cost, and provides documentation as required by law.

**Mapping Technician**
$40,040/year

Uses specialized software to produce drawings, layouts, maps, and graphic representations of architectural or engineering designs.

**Database Administrator**
$67,808/year

Manages and updates databases, runs tests of the system and user knowledge of database management systems to improve operations.

**Network Administrator**
$61,859/year

Installs, configures, monitors and supports all or part of local area (LAN) or wide area networks (WAN), or network in event systems.

**Video Game Developer**
$71,700/year

Designs core features of video games. Specify innovative game and role-play mechanics, story lines, and character design.

**Application Software Developer**
$87,526/year

Develop, create, and modify general or specialized computer applications. Analyze user needs and develop software solutions.

**Systems Software Developer**
$72,116/year

Research, design, develop, and test operating systems level software, compilers, and network distribution software for various uses.

**Information Security Analyst**
$78,000/year

Plans, implements, upgrades, maintains, and responds to breaches of security measures for networks and information.

**Computer Programmer**
$62,421/year

Cares for, modifies, and tests the code, forms, and scripts that allow applications to run. Work from specifications drawn up by software developers.

**Public Relations Specialist**
$45,196/year

Writes material for release to various media in support of the promotion or creation of a public image for digital media firms and their products.

**Marketing Specialist**
$47,694/year

Researches market conditions or creates campaigns to publicize IT products and services. Develops trends and est. for business operations.

**Credit Analyst**
$61,210/year

Develops trading strategies to maximize profit and minimize risk using statistical modeling techniques of historical market data.

**Computer Hardware Engineer**
$88,213/year

Researches, designs, develops, or tests computer-related equipment.

**Director, IT Security**
$111,900/year

Directs the strategic design, planning and implementation of network and information security management policies and programs.

**VP Software Development**
$123,000+/year

Leads the engineering efforts for software development and computer engineering.

**Marketing Manager**
$90,064/year

Plans, directs, and coordinates IT marketing policies and programs.

**Sales Manager**
$83,970+/year

Plans, directs, and coordinates the distribution of a digital media product or service to the customer.

**VP Sales and Marketing**
$123,000+/year

Manages staff that plans and directs the distribution of digital media products or services to customers.

**Engineering Technician**
$66,200+/year

Works with medical staff to develop solutions to problems in research such as improving efficiency and processing data.

**Information Systems Manager**
$84,240+/year

Directs the strategic design, acquisition, management, implementation and maintenance of a firm-wide data storage, analysis, and reporting infrastructure.

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**Career Pathways** is a workforce development strategy used to support workers’ transitions from education into and through the workforce. GNO, Inc. Career Maps are created to highlight the multiple opportunities for advancement within each given sector.

**MAP KEY**
- **Louisiana Jump Start aligned programming available.**
- **Bright Outlook.** Expected to grow faster than average between now and 2024.
- **Pay:** Reflects median pay. Jobs that are primarily part-time are expressed as hourly pay; jobs that are primarily full-time are shown with annual pay. Those that could be either are shown both ways.

**DID YOU KNOW?**
- There is a great demand for people with digital media skills now and into the foreseeable future.
- Most positions require a four-year degree.
- Degrees in computer science, math, and engineering lead to digital media jobs.
- For positions that are more creative, experience and talent may count more than education.
- People with computer skills can work in just about any industry.