

# Information Technology

09-04 State of the Sector Lesson

**PARKVIEW EDUCATION**

## Virtual Workplace Experience (VWE) II

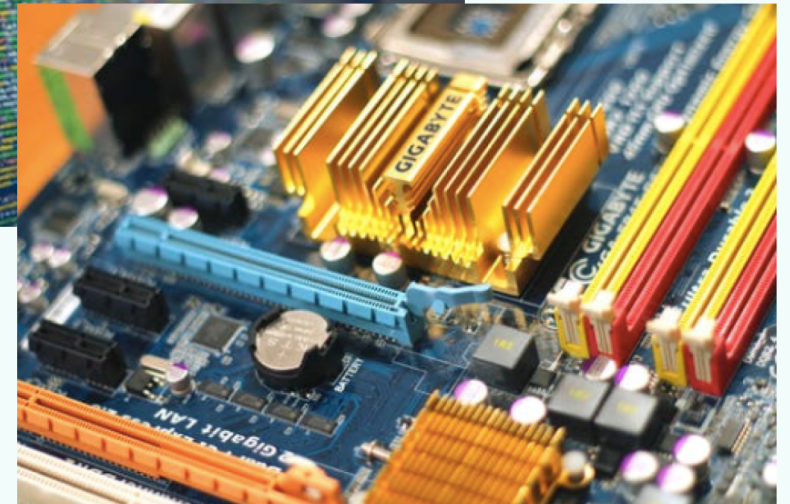
- *Louisiana Career Awareness:* The VWE II provides students the opportunity to explore careers in Louisiana's high-demand industry sectors.
- *Project-Based Learning:* VWE II emphasizes student-selected project-based learning. Meaning, you get to pick your own projects and conduct your own research.
- *Micro-Industry Engagement:* VWE II offers you various opportunities to engage with unfamiliar workplace adults who work in high-wage, high-demand industry sectors. These mentor engagement projects will be among your most treasured high school memories!

# Louisiana High-Demand Industry Sectors

- Healthcare and Pharmacy
- Construction Crafts / Skilled Trades
- Information Technology
- Automotive Service and Repair
- Culinary
- Advanced Manufacturing
- Transportation, Trade and Logistics
- Business Management and Finance
- Sales and Customer Service

# Information Technology (IT)

- The Information Technology sector includes makers of software, semiconductors, personal computers, communications equipment (such as mobile phones) electronic equipment; and providers of consulting and IT services.
- This sector is the fastest growing, with new jobs coming online all the time. Some careers will open up tomorrow that aren't even thought of today.



Information obtained from Bureau of Labor and Statistics at:

<https://www.bls.gov/ooh/installation-maintenance-and-repair/automotive-service-technicians-and-mechanics.htm>

# Louisiana IT Jump Start Pathways

Below are statewide Information Technology certifications that, when offered by the school/district, students can earn while in high school.

| Jump Start Pathways      | Starting Salary     |
|--------------------------|---------------------|
| Cyber Engineering        | \$16,000 - \$53,000 |
| Internet Web Foundations | \$16,000 - \$53,000 |
| Web Design Professional  | \$16,000 - \$53,000 |

Information obtained from Louisiana Department of Education at  
<https://www.louisianabelieves.com/resources/library/jump-start-graduation-pathways>

# Sample Middle Skill IT Jobs

Middle skill jobs generally require some education beyond high school, but less than a bachelor's degree. Training can include associate's degrees and/or vocational certificates.

| Middle Skill High-Demand Positions  | 2017 Employment | Annual Wage |
|-------------------------------------|-----------------|-------------|
| Web Developer                       | 460             | \$55,200    |
| Computer Network Support Specialist | 1,370           | \$50,660    |
| Computer User Support Specialist    | 3,590           | \$45,250    |

Information obtained from United States Bureau of Labor Statistics at [https://www.bls.gov/oes/current/oes\\_la.htm#49-0000](https://www.bls.gov/oes/current/oes_la.htm#49-0000)

# Sample High Skill IT Jobs

High skill jobs often require a bachelor's degree. Individuals can also advance to high skill positions through rigorous on-the-job training.

| High Skill High-Demand Positions            | 2017 Employment | Annual Wage |
|---|-----------------|-------------|
| Computer Systems Analysts                   | 1,930           | \$72,230    |
| Computer Programmers                        | 2,340           | \$67,970    |
| Network and Computer Systems Administrators | 2,790           | \$65,090    |

Information obtained from United States Bureau of Labor Statistics at [https://www.bls.gov/oes/current/oes\\_la.htm#49-0000](https://www.bls.gov/oes/current/oes_la.htm#49-0000)

# Why pursue a career in IT?

**According to the Center of Excellence for Information and Computer Technology, IT is a great field to pursue, because:**

- You want to make a difference.
- You can use an IT or Computer Science degree in virtually every sector imaginable.
- IT and Computer Science degrees are among the highest paying professions.
- A career in IT offers you the opportunity to develop your own path, and chart your own professional future.
- The demand for IT and Computer Science jobs will never go away – your skills will always be valued.

Visit the Your Future in IT website to find the best Information Technology fit for you! –

<https://yourfuturein.it/quiz-without-login/>