

INFORMATION TECHNOLOGY

IT 1-Programming & Software Dev

IT 2-Networking Systems

IT 3 - Cybersecurity

IT 4-Web Development



8TH GRADE
Principles of Computers & Coding (1)

9TH GRADE
AP Computer Science Principles (1-LOTE)
**College Credit via AP Exam*
OR
Computer Science I K (1-LOTE)

10TH GRADE
Computer Science I K (1-LOTE)
OR
*Computer Science II K (1-LOTE)
**College Credit via AP Exam*

11TH GRADE
*Computer Science II K (1-LOTE)
**College Credit via AP Exam*
OR
*Computer Science III K (1-LOTE)
**IT Specialist-Java*
**Oracle Java SE 8 Programmer*

12TH GRADE
*Computer Science III K (1-LOTE)
**IT Specialist-Java*
**Oracle Java SE 8 Programmer*
OR
*Computer Science IV K (1)


8TH GRADE
Principles of Computers & Coding (1)

9TH GRADE
Networking (1)
**CompTIA A+*

10TH GRADE
Computer Science I K (1-LOTE)

11TH GRADE
Internetworking Technologies I (1)
CCST - Networking
**IT Specialist - Networking*
**Cisco CCNA*

12TH GRADE
*Internetworking Technologies II (1)
**CompTIA Network+*



Dual Credit towards Lone Star College Networking/Cybersecurity Certificates/Degrees may be available on your campus

8TH GRADE
Principles of Computers & Coding (1)

9TH GRADE
Networking
**CompTIA A+*

10TH GRADE
AP Computer Science Principles (1-LOTE)
**College Credit via AP Exam*
OR
Computer Science I K (1-LOTE)
AND
Internetworking Technologies I (1)
**CCST - Networking*
**IT Specialist - Networking*
**Cisco CCNA*

11TH GRADE
*Internetworking Technologies II (1)
**CompTIA Network+*

12TH GRADE
*Capstone - Cybersecurity (1)
**CompTIA Security+*
AND/OR
*Practicum in Information Technology (2)

8TH GRADE
Principles of Computers & Coding (1)

9TH GRADE
Computer Science I K (1-LOTE)
OR
Digital Media (1)
**Adobe Photoshop*

10TH GRADE
Web Design (1)
**IT Specialist - HTML and CSS*

11TH GRADE
*Web Game Development (1)

12TH GRADE
*Capstone - Web Development (1)

EXAMPLE OCCUPATIONS

Computer User Support Specialist
Median Wage: \$51,823
Annual Openings: 6,387
10-Year Growth: 21%

Software Developer
Median Wage: \$127,000
Annual Openings: 12,350
10-Year Growth: 36%

Computer Programmer
Median Wage: \$87,997
Annual Openings: 1,176
10-Year Growth: 4%

EXAMPLE OCCUPATIONS

Computer Network Support
Median Wage: \$65,646
Annual Openings: 1,634
10-year Growth: 19%

Computer System Analyst
Median Wage: \$101,716
Annual Openings: 4,985
10-year Growth: 19%

Network/Computer Systems Admin
Median Wage: \$85,375
Annual Openings: 2,900
10-year Growth: 20%

EXAMPLE OCCUPATIONS

Computer User Support Specialist
Median Wage: \$51,823
Annual Openings: 6,387
10-Year Growth: 21%

Software Developer
Median Wage: \$127,000
Annual Openings: 12,350
10-Year Growth: 36%

Information Security Analyst
Median Wage: \$115,042
Annual Openings: 1,760
10-Year Growth: 49%

EXAMPLE OCCUPATIONS

Web Developer
Median Wage: \$93,184
Annual Openings: 602
10-Year Growth: 24%

Software Developer
Median Wage: \$127,000
Annual Openings: 12,350
10-Year Growth: 36%

Computer/Info Systems Manager
Median Wage: \$164,838
Annual Openings: 5,781
10-Year Growth: 26%