

INFORMATION TECHNOLOGY

IT 1-Programming & Software Dev



8TH GRADE
Principles of Information Tech (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)

EXAMPLE OCCUPATIONS

Computer User Support Specialist

Median Wage: \$51,411
Annual Openings: 5,757
10-year Growth: 21%

Software Developer

Median Wage: \$111,705
Annual Openings: 15,324
10-year Growth: 36%

Computer Programmer

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

IT 2-Networking Systems



8TH GRADE
Principles of Information Tech (1)

9TH GRADE
Networking (1)
*CompTIA A+

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

11TH GRADE
Internetworking Technologies I (1)
*CompTIA Network+
*IT Specialist - Networking

12TH GRADE
*Internetworking Technologies II (1)
*Cisco CCNA
*CompTIA Server+



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

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%

IT 3 - Cybersecurity



8TH GRADE
Principles of Information Tech (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)
*CompTIA Network+
*IT Specialist-Networking

11TH GRADE
*Internetworking Technologies II (1)
*Cisco CCNA
*CompTIA Server+

12TH GRADE
*Capstone - Cybersecurity (1)
*CompTIA Security+
AND/OR

*Practicum in Information Technology (2)

EXAMPLE OCCUPATIONS

Machinist

Median Wage: \$48,732
Annual Openings: 3,385
10-year Growth: 23%

Industrial Engineering Tech

Median Wage: \$62,096
Annual Openings: 787
10-year Growth: 17%

Mechanical Engineer

Median Wage: \$99,937
Annual Openings: 1,755
10-year Growth: 19%

IT 4-Web Development



8TH GRADE
Principles of Information Tech (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

Web Developer

Median Wage: \$77,712
Annual Openings: 1,170
10-year Growth: 24%

Software Developer

Median Wage: \$111,705
Annual Openings: 15,324
10-year Growth: 36%

Computer/Info Systems Manager

Median Wage: \$155,593
Annual Openings: 3,064
10-year Growth: 26%