



# PROGRAMMING & SOFTWARE DEV

## STEM - SCIENCE, TECHNOLOGY, ENGINEERING, MATH (also related to Information Technology)

### OPPORTUNITY STARTS IN CFISD

- Receive training on industry-standard material, software and equipment
- Earn industry-based certifications recognized worldwide
- Earn up to 42 hours of college credit, transferable to 2-yr and 4-yr degrees<sup>1</sup>

**ALL AT A FRACTION OF THE COST!**

### EDUCATION OPTIONS

- Industry Recognized Certificate
- Associate Degree<sup>2</sup>
- Bachelor's Degree
- Master's Degree

### POTENTIAL OCCUPATIONS

- Computer Network Architect (\$120,700)
- Computer Programmers (\$79,893)
- Software Developer (\$103,334)

**BACHELOR'S  
AND MULTIPLE  
PROGRAMMING  
LANGUAGES WILL IMPROVE  
JOB PROSPECTS<sup>3</sup>**

**FAST GROWTH INDUSTRY,  
PREDICTING 25% MORE  
JOBS IN NEXT  
DECADE**



#### 9<sup>TH</sup> GRADE

Computer Science Principles AP<sup>4</sup> **OR**  
Computer Science I K<sup>4</sup>  
**College Credit via Comp Sci AP Exam**

#### 10<sup>TH</sup> GRADE

Computer Science I K<sup>4</sup> **OR**  
Computer Science II K<sup>4</sup>  
**College Credit via Comp Sci A AP Exam**

#### 11<sup>TH</sup> GRADE

Computer Science II K<sup>4</sup> **OR**  
Computer Science III K<sup>4</sup>  
**College Credit via Comp Sci A AP Exam**  
**IT Specialist Java**  
**Oracle Java SE 8 Programmer**

#### 12<sup>TH</sup> GRADE

Computer Science III K<sup>4</sup> **OR**  
Project-based Computer Science:  
Mobile App Development  
**IT Specialist Java**  
**Oracle Java SE 8 Programmer**

- 1 - Contact your prospective postsecondary institution about the transferability of these courses towards your selected degree.
- 2 - Lone Star College offers related programs of study such as Computer Science. Get a jumpstart on this degree by taking advantage of core curriculum dual credit along with college credit via AP exams.
- 3 - US Bureau of Labor Statistics indicates keeping up to date with the newest programming tools, especially those needed to develop applications for smart phones and tablets, will also improve job prospects.
- 4 - Computer Science Principles AP, Computer Science I K, Computer Science II K, and/or Computer Science III K satisfy the two LOTE credits needed for graduation.



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information at  
cfisd.net/CTE



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information at  
lonestar.edu