



# STEM ACADEMY FOR AUTOMATION, ROBOTICS & COMPUTER SCIENCE (ARC)

[HOUSED EXCLUSIVELY AT CYPRESS SPRINGS HIGH SCHOOL]

## STEM - SCIENCE, TECHNOLOGY, ENGINEERING, MATH

### 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

- Mechanical/Electrical Engineers (\$94,756)
- Hardware Engineers (\$115,690)
- Industrial Designers (CAD) (\$69,280)
- Software Engineers (\$103,334)

**NEARLY EVERY INDUSTRY INCLUDES SOME FORM OF AUTOMATION**

**PROFICIENCY IN BOTH ENGINEERING AND COMPUTER SCIENCE GREATLY INCREASES JOB PROSPECTS**



**9<sup>TH</sup> GRADE**  
 Computer Science I K<sup>3</sup> **AND**  
 Manufacturing Engineer Tech I K  
**IT Specialist Python**

**10<sup>TH</sup> GRADE**  
 Computer Science II K<sup>3</sup> **AND**  
 Digital Electronics K<sup>4</sup>  
**College Credit via**  
**Comp Sci A AP Exam**

**11<sup>TH</sup> GRADE**  
 Computer Science III K<sup>3</sup> **AND**  
 Engineering Mathematics K<sup>4</sup>  
**IT Specialist Java**  
**Oracle Java SE 8 Programmer**

**12<sup>TH</sup> GRADE**  
 Project-based Research Computer Science:  
 Robotics Programming **AND**  
 Scientific Research & Design I K<sup>5</sup>  
**Certified Solidworks Associate**

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 Electrical Technology or Computer Science. Get a jumpstart by taking advantage of core curriculum dual credit and certifications offered in CFISD.  
 3 - Computer Science I K, Computer Science II K, and/or Computer Science III K satisfy the two LOTE credits needed for graduation.  
 4 - Digital Electronics K or Engineering Mathematics K satisfy a mathematics credit for graduation.  
 5 - Scientific Research & Design I K satisfies a science credit for graduation.



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