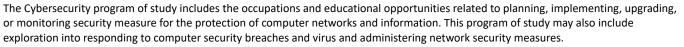
# Science, Technology, Engineering, and Mathematics Career Cluster

The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

# **Cybersecurity** Statewide Program of Study





## **Secondary Courses for High School Credit**

### Level 1

- Level 2
- Computer Science I
  Level 3

#### Level 3

- AP Computer Science A-Math
- AP computer Science B-LOTE

#### Level 4

Independent Study in Technology Applications

## Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul> <li>Join TSA</li> <li>Job shadow a computer system analyst or information security analyst</li> </ul>	Obtain a cybersecurity IBC

### **Postsecondary Opportunities**

#### Associates Degrees

- System Networking, and LAN/WAN Management
- Information Technology
- Computer and Information Sciences, General
- Computer Science

#### **Bachelor's Degrees**

- Computer Systems Networking and Telecommunications
- Computer Systems Networking and Telecommunications
- Computer and Information Sciences, General
- Computer Science

#### Master's, Doctoral, and Professional Degrees

- Computer Systems Analysis/Analyst
- Information Technology
- Computer Information Sciences, General
- Computer Science

### **Aligned Occupations**

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Occupations	Median Wage	Annual Openings	% Growth
Information Security Analysts	\$91,915	814	29%
Network and Computer System Administrators	\$82,597	2,814	19%
Computer System Analysts	\$87,568	5,937	29%

Successful completion of the Cybersecurity program of study will fulfill requirements of the Business and Industry or STEM Endorsement if this math and science requirements are met. Revised – October 2022



# Cybersecurity Course Information

### Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES	
Computer Science I	03580200 (1 credit)	None	Algebra I	
Level 3				
COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES	

AP Computer Science A-Math	A3580110 (1 credit)	None	None
AP Computer Science B-LOTE	A3580120 (1 credit)	None	None

### Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Independent Study in Technology Applications	03580900 (1 credit)	None	None

## FOR ADDITIONAL INFORMATION ON THE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS CAREER CLUSTER, PLEASE CONTACT: <u>CTE@tea.texas.gov</u>

https://tea.texas.gov/cte

The Argyle Independent School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in any of its career and technical education programs, services, or activities and provides equal access to the Boy Scouts and other designated youth groups as required by Title VI of the Civil Rights Act of 1964 as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

For inquiries regarding non-discrimination policies under Title VI, Title IX, and Section 504, contact Dr. Deana Steeber, Assistant Superintendent, via email at <u>deana.steeber@argyleisd.com</u> or by phone at 940-464-7241. Dr. Steeber can also be reached at Argyle ISD's central offices, 6701 Canyon Falls Drive in Flower Mound, TX.

Title VI, Title IX, & Section 504 Coordinator Dr. Deana Steeber Assistant Superintendent 6701 Canyon Falls Drive Flower Mound, TX 76226 <u>deana.steeber@argyleisd.com</u> 940-464-7241

Further nondiscrimination information can be found at <u>Notification of Nondiscrimination in Career and Technical</u> Education Programs.