

Participating ISD:	San Antonio ISD				Six Year Program of Study				Participating College:	St. Phillip's College			
Participating HS:	Cyber PTECH @ Sam Houston High School				Foundation High School Program with a Distinguished Level of Performance				Certifications:	<a href="#">Information Technology Cybersecurity Specialist Level I Certificate</a>			
Endorsement:	Business and Industry: Information Technology				Beginning 2019-2020				AAS Degree	<a href="#">Information Technology Cybersecurity Specialist, A.A.S</a>			
High School/Secondary									College				
Periods	9th		10th		11th		12th		Year 5		Year 6		
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	
1	English I (Pre-AP Eng I)	English I (Pre-AP Eng I)	English II (Pre-AP Eng II)	English II (Pre-AP Eng II)	English III (AP Eng Lang III) or English 1301	English III (AP Eng Lang III) or English 1302	English IV English 1301	English IV English 1302	Extended College years for program completion as needed		Extended College years for program completion as needed		
2	AP Human Geography	AP Human Geography	World History (AP World History)	World History (AP World History)	US History (AP US History)	US History (AP US History)	Economics	US Gov. AP					
3	Algebra I or Geometry	Algebra I or Geometry	Geometry or Algebra II	Geometry Or Algebra II	Algebra II/ Pre-AP Calculus or Math 1314	Algebra II/ Pre-AP Calculus or Math 1314	Calculus AP, AB or Math 1314	Calculus AP, AB or Math 1314					
4	Biology (Pre-AP Bio)	Biology (Pre-AP Bio)	Chemistry (Pre-AP Chem)	Chemistry (Pre-AP Chem)	Physics	Physics	AP Biology or Chembridge	AP Biology or Chembridge					
5	PE/ Elective	PE/ Elective	Elective	Elective	Elective	Elective	Elective	Com APP SPCH 1321					
6	AVID	AVID	Fine Art	Fine Art	Psychology (AP Psychology) General PSYC 2301	Psychology (AP Psychology) General PSYC 2301	Elective	Elective					
7	Foreign Language	Foreign Language	7714 Comp Tech ITNW 1425	7714 Comp Tech ITNW 2412	7720 Networking ITNW 1413	7720 Networking ITNW 2405	7721 Prac IT ITNW 2301	7721 Prac IT ITSY 2430					
8	7717 PRIN of IT	7717 PRIN of IT ITNW 1308	ITSC 1316	ITSC 2325	ITSY 1342	ITSY 2442	ITSY 2443	ITSY 2286					
Total possible college credit completed in high school: 60													
High School Courses					Dual Credit Courses				College Courses not completed in 4 years of high school				
Industry Partners: Accenture Federal Services													

## St. Philip's St. Philip's College Schedule/Catalog 2018-2019 College

### Information Technology Cybersecurity Specialist, A.A.S.

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The Associate of Applied Science in Information Technology Cybersecurity Specialist prepares students to design, implement and secure computer networks. Students with this degree will be able to install security software, monitor networks for security breaches, respond to cyber attacks and gather data and evidence to be used in prosecuting cyber crime. Completion in this program prepares a student for industry certifications such as CompTIA Security +, Certified Security Professional (CSP) and Certified Ethical Hacker (CEH). St. Philip's College is designated by the National Security Agency and Department of Homeland Security as a National Center of Academic Excellence in Cyber Defense Two-Year Education. The designation covers academic years 2014 Through 2020.

#### With this award, you may seek jobs such as:

Cyber Security Analyst / Cyber Security Specialist

#### Related awards

[Information Technology Cybersecurity Specialist Level I Certificate](#)

[CompTIA Linux+ Certification Preparation \(OSA\)](#)

[CompTIA Security + Certification Preparation \(OSA\)](#)

[Cyber First Responders \(OSA\)](#)

### Total Credit Hours Required: 60

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#### Semester I

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- [ITNW 1308 - Implementing and Supporting Client Operating Systems](#) \*\*\*
- [ITNW 1425 - Fundamentals of Networking Technologies](#)
- [ITSC 1316 - Linux Installation and Configuration](#)
- Select 1 course from the [Language, Philosophy & Culture \(40\) Core](#)

#### Semester II

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- [ITNW 2412 - Routers](#) \*\*\*
- [ITSC 2325 - Advanced Linux](#)
- or [COSC 1336 - Programming Fundamentals I](#)
  
- [ITNW 1413 - Computer Virtualization](#)

- Select one course from the [Communication \(10\) Core](#)

### Semester III

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- Select 1 course from the [Social and Behavioral Sciences \(80\) Core](#)
- Select 1 course from the [Mathematics \(20\) Core](#)

### Semester IV

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- [ITSY 1342 - Information Technology Security](#) \*\*\*
- [ITNW 2405 - Network Administration](#)
- [ITSY 2442 - Incident Response and Handling](#)
- [SPCH 1321 - Business and Professional Communication](#)

### Semester V

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- [ITSY 2301 - Firewalls and Network Security](#)
- [ITSY 2443 - Computer System Forensics](#)
- [ITSY 2430 - Intrusion Detection](#)
- [ITSY 2286 - Internship - Computer and Information Systems Security](#)

### Milestone Course

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\*\*\* denotes Milestone course(s).

A milestone course is a course that is critical for success in this program.

### Additional Program Information

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This Associate of Applied Science will prepare students to design, implement and secure computer networks. Students with this degree will be able to install security software, monitor networks for security breaches, respond to cyber attacks and in some cases, gather data and evidence to be used in prosecuting cyber crime. Some security courses in this degree have been approved by National Security Agency and Department of Homeland Security. St. Philip's College is designated by the National Security Agency and Department of Homeland Security as a National Center of Academic Excellence in Cyber Defense Two-Year Education. The designation covers academic years 2014 Through 2020.

### NOTES

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CIP Code: 11.0901

Major Code:

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