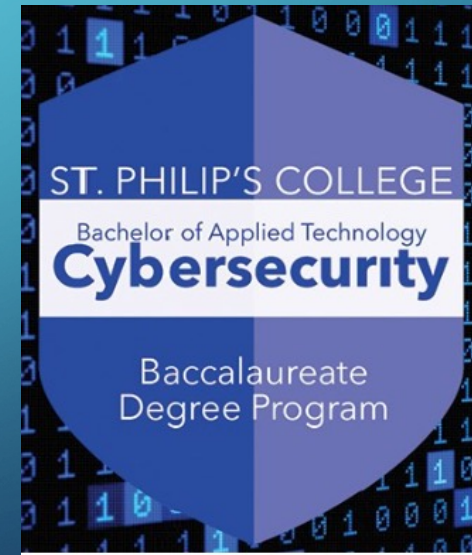


ST. PHILIP'S COLLEGE CYBERSECURITY & INFORMATION TECHNOLOGY

Bachelor of Applied Technology (BAT) Cybersecurity



CYBERSECURITY & INFORMATION TECHNOLOGY (CIT) ACADEMIC PHILOSOPHY

Career Pathway

Academic Achievement

**Industry
Certification**

Theory

Practice



Bachelor of Applied Technology (BAT)
Cybersecurity

Associates of Applied Science (AAS)
Information Technology Cybersecurity

Level I Certificate
Information Technology Cybersecurity

Occupational Skill Certificates (OSA)
CompTIA Linux+ Certification Preparation
CompTIA Security + Certification Preparation
Cyber First Responders

Bachelor of Applied Technology (BAT) in Cybersecurity

Key Dates

- **7/26/2022:** ACD Board of Trustees granted approval
- **1/26/2023:** Texas Higher Education Coordinating Board (THECB): Granted Authority
- **12/5/2023:** The Southern Association of Colleges and Schools Commission on Colleges (SACSCOC): Granted Approval
- **Fall 2024:** SPC Cybersecurity and Information Technology (CIT) Department offered initial BAT classes (rubric: CYBR & ITCS)

The background is a dark blue gradient. In the corners, there are white line-art illustrations of circuit boards or neural networks, consisting of lines and small circles.

OVERVIEW

Admission Requirements

The St. Philip's College Bachelor of Applied Technology Cybersecurity degree is open to applicants with the following qualifications:

- Applicants may pursue a BAT in Cybersecurity if they have an AAS in a cybersecurity-related field or have earned an Associate degree with 15 credit hours or more in cybersecurity-focused coursework.
- Applicants with AA or AS degrees can transfer in up to 42 hours of academic Core courses and any applicable technical credits.
 - Applicants will receive guidance on prerequisite courses necessary for enrollment in upper-level classes
- Applicants must have earned a minimum cumulative GPA of 2.0.
- No course grades of D will be accepted for transfer credit.
- Applicants who are graduates of St. Philip's College Information Technology-Cybersecurity Specialist Program have first priority admission

Schedule & Modalities

FALL 2024 SCHEDULE

DAY(S)	Start Time	End Time	Meeting Type	Course	Section	CRN	Modality	Instructional Method	Session	Part of Term	NOTES
Mon	9:00	10:40	Class	CYBR 3359 - Mobile Technologies	002	56131	F2F	(1) Face to Face	Day	1 - 16 Weeks	Lecture: 2.0, Lab: 3.0, Contact Hours: 5.0
	10:41	13:11	Lab								
Tues	9:00	10:40	Class	CYBR 3310 - Introduction To Cryptography	002	56139	F2F	(1) Face to Face	Day	1 - 16 Weeks	Lecture: 2.0, Lab: 3.0, Contact Hours: 5.0
	10:41	13:11	Lab								
Wed	9:00	10:40	Class	CYBR 3340 - Cyber Crime	002	56140	F2F	(1) Face to Face	Day	1 - 16 Weeks	Lecture: 2.0, Lab: 3.0, Contact Hours: 5.0
	10:41	13:11	Lab								
Thurs	9:00	10:40	Class	ITCS 3320 - Security of Data & Applications	002	56141	F2F	(1) Face to Face	Day	1 - 16 Weeks	Lecture: 2.0, Lab: 3.0, Contact Hours: 5.0
	10:41	13:11	Lab								
Mon	17:30	19:10	Class	CYBR 3359 - Mobile Technologies	003	56133	Hybrid	2 Hours Lecture	Blended/Hybrid	1 - 16 Weeks	Lecture: 2.0, Lab: 3.0, Contact Hours: 5.0
	N/A	N/A	INT					3 Hours on Internet/Lab			
Tues	17:30	19:10	Class	CYBR 3310 - Introduction To Cryptography	003	56142	Hybrid	2 Hours Lecture	Blended/Hybrid	1 - 16 Weeks	Lecture: 2.0, Lab: 3.0, Contact Hours: 5.0
	N/A	N/A	INT					3 Hours on Internet/Lab			
Wed	17:30	19:10	Class	CYBR 3340 - Cyber Crime	003	56143	Hybrid	2 Hours Lecture	Blended/Hybrid	1 - 16 Weeks	Lecture: 2.0, Lab: 3.0, Contact Hours: 5.0
	N/A	N/A	INT					3 Hours on Internet/Lab			
Thurs	17:30	19:10	Class	ITCS 3320 - Security of Data & Applications	003	56144	Hybrid	2 Hours Lecture	Blended/Hybrid	1 - 16 Weeks	Lecture: 2.0, Lab: 3.0, Contact Hours: 5.0
	N/A	N/A	INT					3 Hours on Internet/Lab			
N/A	N/A	N/A	INT/LAB	CYBR 3359 - Mobile Technologies	001	56113	Online	(2) Fully Distance Educ Course	Online	1 - 16 Weeks	Internet: 2.0, Lab: 3.0, Contact Hours: 5.0
N/A	N/A	N/A	INT/LAB	CYBR 3310 - Introduction To Cryptography	001	56114	Online	(2) Fully Distance Educ Course	Online	1 - 16 Weeks	Internet: 2.0, Lab: 3.0, Contact Hours: 5.0
N/A	N/A	N/A	INT/LAB	CYBR 3340 - Cyber Crime	001	56115	Online	(2) Fully Distance Educ Course	Online	1 - 16 Weeks	Internet: 2.0, Lab: 3.0, Contact Hours: 5.0
N/A	N/A	N/A	INT/LAB	ITCS 3320 - Security of Data & Applications	001	56136	Online	(2) Fully Distance Educ Course	Online	1 - 16 Weeks	Internet: 2.0, Lab: 3.0, Contact Hours: 5.0

Bachelor of Applied Technology (BAT) in Cybersecurity

Descriptive Statistics

Bachelor of Applied Technology (BAT) in Cybersecurity builds upon the Associates of Applied Science (AAS) Degree in Information Technology Cybersecurity Specialist for a total of 120 credit hours.

Degree	Credit Hours
AAS	60
BAT	60
Total	120

Bachelor of Applied Technology (BAT) in Cybersecurity

Campus Footprint

Campus Location	Resources	Investment Assessments	Funding Sources
Saint Artemisia Bowden (SAB)	7 classrooms Cyber Range Hybrid Network Operations Center (NOC)	\$18.6 million in construction \$4 million in FF&E	CIP, HEERF, CRRSAA
Cybersecurity Innovation Center (CIC)	3 classrooms SPC Data Center (Cloud on the Ground) Security Operations Center (SOC) Disaster Recovery Classroom Student Center (Tigers Den)	\$24.3 million in renovation \$5.3 in FF&E	HEERF, Title III, MTN
Center for Learning Resources (CLR)	Electronic resources Periodicals	\$313.5K in learning resources for FY24-27	HEERF, Title III

CENTER FOR LEARNING RESOURCES

Computer Science-related holdings and cybersecurity related materials

SPC Discovery Holdings Breakdown						
Subject	Totals	Books	Computer Files	Journals/ Magazines	Newspapers	Videos
Computer Science	7270	6648	1	567	7	47

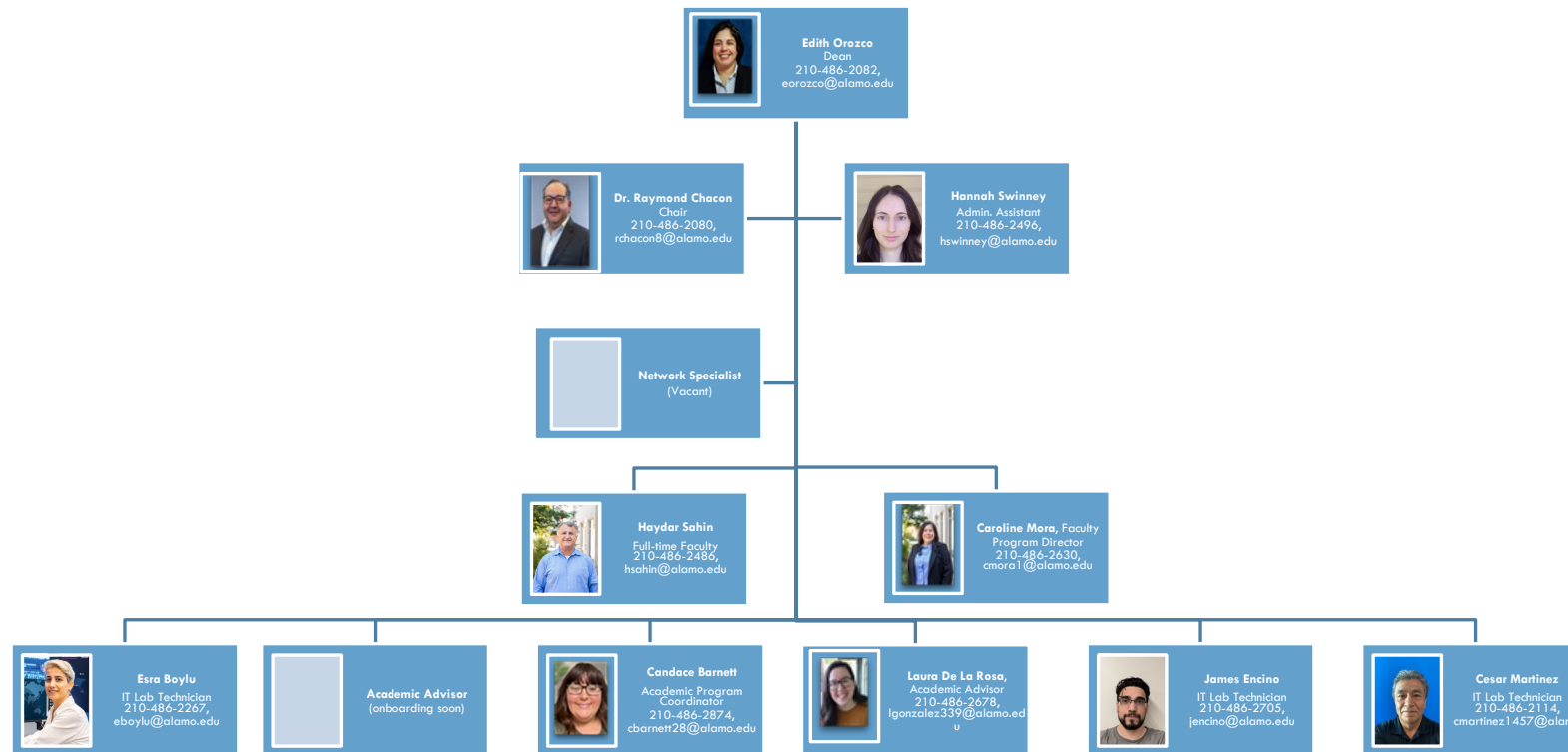
Institute of Electrical and Electronics Engineers database added to holdings

Database or collection	Publisher	Price
IEEE Explore	IEEE Society	\$16,615

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PROGRAM ORGANIZATIONAL STRUCTURE

New Department Organizational Chart: Cybersecurity & Information Technology



FACULTY

BAT CYBERSECURITY FACULTY



Caroline Mora

- Full-time Faculty
210-486-2630, cmora1@alamo.edu



Haydar Sahin

- Full-time Faculty
210-486-2486, hsahin@alamo.edu



Sam McCall

- Part-time Faculty
210-486-2312, smccall@alamo.edu



Dr. Clarence Dawkins

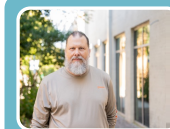
- Part-time Faculty
210-486-2056, cdawkins2@alamo.edu

AAS CYBERSECURITY FACULTY



Yesenia Alvarez

- Faculty
210-486-2081, yespinoza22@alamo.edu



John Lee

- Faculty
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Steven Doak

- Faculty
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Dr. Bradford Everman

- Faculty
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Dr. Clarence Dawkins

- Faculty
210-486-2056, cdawkins2@alamo.edu

Bachelor of Applied Technology (BAT) in Cybersecurity

Descriptive Statistics

BAT Enrollment	
Fall 2024	108
Projected Spring 2025	120 – 135

Fall 2024 BAT Enrollment 108	
<i>Lower Division Courses</i>	
Freshmen (FTIC)	4
Freshmen	10
Sophomore	43
Subtotal	57
<i>Upper Division Courses</i>	
Junior	44
Senior	7
Subtotal	51

BAT Personnel	
<i>Position</i>	<i>Number</i>
Full Time Faculty	2
Adjunct Faculty	2
Administrative Assistance	1
Department Chair	1
Lab Technicians	3
Network Specialist	1 (vacant)
Program Coordinator	1
Student Success Advisor	2
Total	13

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Departing Notes

- New Department & Supporting Infrastructure was created for the BAT Program: Cybersecurity & Information Technology (CIT) Department (Dr. Raymond Chacon: Chair)
- St. Artemisia Bowden Building designated for BAT courses.
- Cybersecurity Innovation Center (CIC) designated for AAS courses.
- SPC CIT department maintains NSA, National Centers of Academic Excellence in Cybersecurity (NCAE-C) program for Cyber Defense (CD) designation for the AAS Cybersecurity degree.
- SPC CIT department is working with the NSA to extend this designation for the BAT Cybersecurity degree.

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