

# Cedar Park Program of Study

## Associate of Arts in Applied Science in Cybersecurity

The Cybersecurity Specialization is designed to prepare the student for employment in the areas of internet, network, and operating system security. The curriculum focus is on providing skills in system security analysis, designing and creating secure systems, troubleshooting security problems via appropriate testing measures, conducting forensic documentation and the development, implementation and maintenance of an organizational security plan and policy. Due consideration is given to legal and ethical issues and current and emerging legal and technical issues.

Semester I				Credit Hours
		EDUC 1100	Effective Learning: Strategies for College Success	1
		COSC 1301	Introduction to Computing	3
	+	ITNW 1325	Fundamentals of Networking Technologies	3
		ITSY 1300	Fundamentals of Information Security: Cybersecurity	3
		ENGL 2311	Technical and Business Writing	3
	+	MATH 1324	Mathematics for Business and Economics OR	3
	+	MATH 1314	College Algebra	3
				16
Semester II				
	+	ITNW 1335	Information Storage and Management: Cloud Computing	3
	+	ITNW 2321	Networking with TCP/IP	3
	+	ITNW 1354	Implementing and Supporting Servers: Windows 2008	3
	+	ITSC 1325	Personal Computer Hardware	3
		COSC 1336	Programming Fundamentals I	3
				15
Semester III				
	+	ITSC 1307	UNIX Operating System I	3
	+	ITNW 2312	Routers	3
	+	ITSY 2301	Firewalls and Network Security	3
	+	ITSY 2300	Operating System Security	3
			<a href="#">Social and Behavioral Sciences<sup>1</sup></a>	3
				15
Semester IV				
	+	ITSY 2343	Computer System Forensics	3
	+	ITSY 2330	Intrusion Detection: Ethical Hacking	3
	+	ITSC 2264	Practicum - CIS, General OR	2-4
			<a href="#">Advanced Computer Information Technology/Computer Science Elective<sup>2</sup></a>	3
			<a href="#">Oral Communication<sup>3</sup></a>	3
			<a href="#">Language, Philosophy, and Culture OR Creative Arts<sup>1</sup></a>	3
				14-16
			<b>TOTALS</b>	<b>60-62</b>

