Information Systems Cybersecurity

Program Options:
AAS – Information Systems Cybersecurity
Certificate Level 1 – Information Systems Cybersecurity
Certificate Level 1 – CISSP Information Systems Cybersecurity Professional

The Information Systems Cybersecurity AAS degree prepares students for a career in cybersecurity management and support in addition to the tasks relating to network management, system administration, technical support, hardware/software installation, and equipment repair. The program graduate will be able to design and install secure network systems based on customer requirements, monitor and maintain network traffic and security, and maintain network hardware and software.

Courses and hands-on labs in this program will assist the graduate in preparing to take a variety of Cisco, Microsoft, and CompTIA certification examinations.

If your program requires a criminal background check, your placement in a required clinical site, cooperative, practicum, internship, and/or licensure/certification opportunity may be impacted. If you have any questions or concerns, please contact your program director and check with your licensing/certifying entity, if any, to determine your status.

Students planning to transfer to a college or university should check with Collin academic advisors. Also check the degree requirement of the intended transfer college prior to beginning this program to verify course degree applicability.

AAS – Information Systems Cybersecurity

60 credit hours

FIRST YEAR

First Semester

ITNW	1358	Network +
CPMT	1305	IT Essentials I: PC Hardware and Software
ITMT	1371	Configuring and Supporting Microsoft Windows 10 (70-698)
ITMT	1372	Installation, Storage and Computing with Windows Server 2016
GEN ED		Mathematics course

Second Semester

GEN ED		Social / Behavioral Sciences course
ITCC	1314	CCNA 1: Introduction to Networks
ITMT	1373	Networking with Windows Server 2016
ITSC	1316	Linux Installation and Configuration
ELECTIVE *		

Summer

ENGL	1301	Composition I
ITCC	1340	CCNA 2: Routing and Switching Essentials

SECOND YEAR

First Semester

ITSY	2300	Operating System Security
ITSY	2301	Firewalls and Network Security
ITSY	2342	Incident Response and Handling
ELECTIVE *		

Second Semester

GEN ED		Humanities / Fine Arts course
ITSY	2341	Security Management Practices (Capstone)
ITSY	2343	Computer System Forensics
SPCH	1321	Business and Professional Communication
		(See Speech Options)

** Electives (6 credit hours): ITSY-1300 (recommended) or ITSY-2572 (recommended), or any ITCC, ITNW, ITMT, or ITSY course not listed above*

Note: Many ITCC, ITMT, ITNW and ITSY courses are offered in eight-week express sessions.

Certificate Level 1 – Information Systems Cybersecurity

33 credit hours

FIRST YEAR

First Semester

ITNW	1358	Network +
ITCC	1314	CCNA 1: Introduction to Networks
ITMT	1372	Installation, Storage and Computing with Windows Server 2016

Second Semester

ITCC	1340	CCNA 2: Routing and Switching Essentials
ITMT	1373	Networking with Windows Server 2016
ELECTIVE *		

SECOND YEAR

First Semester

ITSY	2300	Operating System Security
ITSY	2301	Firewalls and Network Security
ITSY	2342	Incident Response and Handling

Second Semester

ITSY	2341	Security Management Practices (Capstone)
ITSY	2343	Computer System Forensics

** Elective (3-5 credit hours): ITMT-2304, ITSY-1300 or ITSY-2572*

Note: Many ITCC, ITMT, ITNW, and ITSY courses are offered in eight-week express sessions.

Certificate Level 1 – CISSP Information Systems Cybersecurity Professional

17 credit hours

First Semester

ITNW	1358	Network +
ELECTIVE*		

Second Semester

ITSY	1300	Fundamentals of Information Security
ITSY	2341	Security Management Practices
ITSY	2572	Certified Information Systems Security Professional (CISSP) Common Body of Knowledge Domain Instruction (Capstone)

** Elective (3 credit hours): Any ITSY course not listed above, with consent of the Associate Dean*

Note: Many ITCC, ITMT, ITNW, and ITSY courses are offered in eight-week express sessions.