

INFORMATION TECHNOLOGY - EMPHASIS IN CYBERSECURITY - ASSOCIATE OF APPLIED SCIENCE

The Information Technology – Cybersecurity program is designed to provide students with the skills needed for a career in information technology with a focus on cybersecurity. The program prepares students for the workforce or provides foundational skills for information technology programs at the university level.

The Associate of Applied Science in IT Cybersecurity is designed to provide students with a well-rounded education for obtaining employment in various areas of the information technology field, including Computer Support, Network Administrator, and Information Security.

Stackable Credentials

- Associate of Applied Science - Cybersecurity (p. 1)
- Certificate - Cybersecurity (<http://coursecatalog.com.edu/catalog/areas-of-study/stem/information-technology-emphasis-cybersecurity-cert1/#fulltimescheduletext>)
- Occupational Skills Award - Cybersecurity Fundamentals (<http://coursecatalog.com.edu/catalog/areas-of-study/stem/information-technology-emphasis-cybersecurity-fundamentals-osa/#fulltimescheduletext>)

Full-Time Student Schedule

Course	Title	Semester Credit Hours
Semester #1		
ITNW 1308	Implementing and Supporting Client Operating Systems	3
ITNW 1354	Implementing and Supporting Servers	3
ITSC 1316	Linux Installation and Configuration	3
ENGL 1301	Composition I ²	3
MATH 1332 or MATH 1314	Contemporary Math (Quantitative Reasoning) ² or College Algebra	3
Semester Credit Hours		15
Semester #2		
ITSC 1325	Personal Computer Hardware	3
ITSC 1305	Introduction to PC Operating Systems	3
ITSC 1391	Special Topics in Computer and Information Sciences, General Linux	3
COSC 1301	Introduction to Computing ²	3
HIST 1301 or HIST 1302	U S History I ² or U S History II	3
Semester Credit Hours		15
Semester #3		
ITSY 1342	Information Technology Security	3
ITSC 2325	Advanced Linux	3
ITSY 2301	Firewalls & Network Security	3

COSC 1336	Programming Fundamentals I ²	3
PSYC 2301 or SOCI 1301	General Psychology ² or Introduction to Sociology	3
Semester Credit Hours		15
Semester #4		
ITSY 2342	Incident Response and Handling	3
ITSY 2359	Security Assessment and Auditing ¹	3
Select from one of the following:		3
PHIL 2306	Introduction to Ethics ²	
ENGL 2341	Forms of Literature ²	
HUMA 1301	Introduction to the Humanities I ²	
SPCH 1318	Interpersonal Communication ²	3
POFT 1300 or ITNW 1380	Career Exploration/Planning or Cooperative Education - Computer Systems Networking and Telecommunications	3
Semester Credit Hours		15
Total Semester Credit Hours		60

¹ Capstone course

² Course(s) listed in the Texas Common Course Numbering System (<https://tcns.org/institution/id:14/yid:19/>)

Part-Time Student Schedule

Course	Title	Semester Credit Hours
Semester #1		
ITNW 1308	Implementing and Supporting Client Operating Systems	3
ITNW 1354	Implementing and Supporting Servers	3
ENGL 1301	Composition I ²	3
Semester Credit Hours		9
Semester #2		
ITSC 1316	Linux Installation and Configuration	3
MATH 1332 or MATH 1314	Contemporary Math (Quantitative Reasoning) ² or College Algebra	3
ITSC 1325	Personal Computer Hardware	3
Semester Credit Hours		9
Semester #3		
ITSC 1305	Introduction to PC Operating Systems	3
ITSC 1391	Special Topics in Computer and Information Sciences, General Linux	3
COSC 1301	Introduction to Computing ²	3
Semester Credit Hours		9
Semester #4		
HIST 1301 or HIST 1302	U S History I ² or U S History II	3
ITSC 2325	Advanced Linux	3
ITSY 1342	Information Technology Security	3
Semester Credit Hours		9
Semester #5		
ITSY 2301	Firewalls & Network Security	3

COSC 1336	Programming Fundamentals I ²	3
PSYC 2301 or SOCI 1301	General Psychology ² or Introduction to Sociology	3
Semester Credit Hours		9
Semester #6		
ITSY 2342	Incident Response and Handling	3
SPCH 1318	Interpersonal Communication ²	3
Select from one of the following:		3
PHIL 2306	Introduction to Ethics ²	
ENGL 2341	Forms of Literature ²	
HUMA 1301	Introduction to the Humanities I ²	
Semester Credit Hours		9
Semester #7		
ITSY 2359	Security Assessment and Auditing ¹	3
POFT 1300 or ITNW 1380	Career Exploration/Planning ² (Footnote for POFT 1300) or Cooperative Education - Computer Systems Networking and Telecommunications	3
Semester Credit Hours		6
Total Semester Credit Hours		60

¹ Capstone course

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(<https://tcns.org/institution/id:14/yid:19/>)