

Associate of Applied Science - Cyber Security (11.1003)

CIP Code

11.1003

Overview

Program Coordinator: Bryan Broussard – bryanbroussard@cltcc.edu (11.1003)

Program Description

The AAS in Cyber Security program is designed to provide an opportunity to establish a strong foundation in cloud computing for employment. An ever-increasing number of both corporate and government organizations are adopting the cloud infrastructure. Graduates will acquire a skill set that allows them to architect scalable application solutions that leverage cloud computing services.

Student Learning Outcomes:

1. Support and troubleshoot computer hardware and software.
2. Understand the syntax and semantics of the Python programming language.
3. Write basic SQL statements for creating, querying, modifying, and deleting data from a relational database.
4. Show how to use the AWS Cloud including AWS Identity and Access Management (IAM), AWS Database services, Elastic Load Balancing (ELB), Amazon CloudWatch AWS Virtual Private Cloud (Amazon VPC), Amazon Elastic Compute Cloud (EC2), AWS Lambda, and AWS Elastic Beanstalk
5. Show the fundamental building blocks of building, supporting, upgrading, troubleshooting, and managing an existing network.

Degree

AAS –Cyber Security (11.1003)

TD - Cyber Security Specialist (11.1003)

Exit Points

CTC – Computer Maintenance Technician (11.0902)

CTS – Information Systems Technician (11.1003)

Program Curriculum

Curriculum (Click to Download Curriculum)

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Course No.	Course Title	Lecture	Lab	Total Credit Hrs.	Total Clock Hrs.

Required Program Courses

ORNT 1000	Orientation	1	0	1	15
COMP 1201	Introduction to Programming	3	0	3	45
COMP 1105	Computer Maintenance I	1	3	4	135
COMP 1115	Computer Maintenance II	1	3	4	135
ETRN 2727	Basic Networking	1	3	4	120
CTC – COMPUTER MAINTENANCE TECHNICIAN (11.0902)				16	450

INCT 1202	Operating Systems	2	2	4	120
INCT 2822	Server Technology	1	2	3	105
INCT 1122	Introduction to Basic Routers	2	2	4	120
COMP 1301	Database Management Systems	1	2	3	90
COMP 1801	Cloud Foundations	2	2	4	120
CTS – INFORMATION SYSTEMS TECHNICIAN (11.1003)				34	1005

INCT 2842	Managing Network Security	1	2	3	105
INCT 2601	LINUX Systems Administration	3	0	3	45
COMP 2999	Cooperative Education	0	3	3	135
JOBS 2450	Job Seeking Skills	2	0	2	30
TD – Cyber Security Specialist (11.1003)				45	1320

ENGL 1010	English Composition I	3	0	3	45
MATH XXXX	College Algebra OR Contemporary Math	3	0	3	45
	Social Science Elective	3	0	3	45
	Natural Science Elective	3	0	3	45
	Humanities Elective	3	0	3	45
AS in Cyber Security (11.1003)				60	1545