

Program: CYB.DEF.CERT Cyber Defense Certificate (40 credits)			Division: Business
Student:		ID#:	Catalog Year: 2026-2027

SEMESTER 1 – Fall (13 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Req.	Pre-requisites	Semesters
Major	CYB-100	Networking I: Networking Fundamentals	3	X	Petition only: must be signed by Dr. Herman Crawford	Fall 1 & OL
Major	CYB-105	Information Security Fundamentals	3	X	CYB-100 (co-requisite) Petition only: must be signed by Dr. Herman Crawford	Fall 1 & OL
Major	CYB-200	Networking II: Switching & Routing Fundamentals	4	X	CYB-100	Fall 2 & OL
Major	CYB-110	Windows Server I: Installing and Configuring	3	X	CYB-100	Fall 2 & OL

SEMESTER 2 – Spring (12 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Req.	Pre-requisites	Semesters
Major	CYB-115	Linux Server I: Fundamentals	3	X	Petition only: must be signed by Dr. Herman Crawford	Spring 1 & OL
Major	CYB-120	Scripting Fundamentals	3	X	CYB 115 (co-requisite)	Spring 2 & OL
Major	CYB-215	Linux Server II: System Administration	3	X	CYB-115	Spring 2 & OL
Major	CYB-210	Windows Server II: System Administration	3	X	CYB-110	Spring 1 & OL

SEMESTER 3 – Summer (8 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Req.	Pre-requisites	Semesters
Major	CYB-220	Intrusion Detection/ Prevention Systems Fundamentals	4	X	CYB-200, CYB-105	Summer & OL
Major	CYB-125	Networking Security I: Fundamentals	4	X	CYB-220 (co-requisite)	Summer & OL

SEMESTER 4 – Fall (7 credits)

Legend: All = Fall/Spring/Summer; OL = Online

Course Type	Course Number	Course Name	Cr.	Req.	Pre-requisites	Semesters
Major	CYB-230	Ethical Hacking & Systems Defense	4	X	CYB-100, 105, 110, 115, 120, 125, 200, 210, 215, 220	Fall 1 & OL
Major	CYB-290	Co-Op/Internship	3		By Petition (optional)	

*Sections of these courses offered in the Honors Program, check <http://www.racc.edu/Academics/Honors/courses.aspx> for details.

Advisor's Contact Information:

Name: Dr. Herman Crawford, Dean Business Division

Email: hcrawford@racc.edu **Phone:** 610-372-4721, extension 5168

Office: B605