

PROGRAM: AAS CYBERSECURITY

Division: Business, Behavioral/Social Sciences, Public & Human Services
CLA-201 (914) 606-6795

65 Credits

Curriculum Chair

Professor Denise Sullivan

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CLA-47

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Reviewed By: _____

Date: _____

Approved By Chairperson/Dean: _____

Course #	FALL SEMESTER	Credits	✓
ENG 101	Composition & Literature 1	3	
CIS 110	Computer Information Systems	3	
CIS 130	Computer Hardware	3	
	Behavioral Elective¹	3	
CIS 155	Principles of Information Security	3-4	
	PE (fitness)-	1	

Course #	FALL SEMESTER	Credits	✓
MATH 130/135	College Algebra w Trig or Functions & Model	3-4	
CIS 240	Network Security	3	
CIS 225	Database Management Systems	3	
PHIL 160	Ethics	3	
ACC 119	Financial Accounting	4	

Course #	SPRING SEMESTER	Credits	✓
ENG 102	Composition & Literature 2	3	
CIS 135	PC Operating Systems	3	
CIS 140	Networking for Business	3	
	Science w/ Lab	4	
PHIL 150	Applied Logic or any Social Science²	3	
	PE (sport)-	1	

Course #	SPRING SEMESTER	Credits	✓
MATH 140	Statistics	4	
CIS 270	Computer Forensics	3	
CIS 245	Or Computer Penetration		
CIS 260	Systems Analysis & Design	3	
OFTEC 240	Business Communication	3	
CIS 120	Object Oriented Programming Logic	3	

Bold italic items are Core Requirements.

NOTES:

Name

CIS 135 PC Operating Systems

CIS 140 Networking for Business

CIS 225 Database Management Systems

CIS 240 Network Security

CIS 260 Systems Analysis/Design

CIS 270 Computer Forensics

Prerequisite

CIS 110 Computer Information Systems

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CIS 140 Networking for Business

CIS 225 Database Management Systems

CIS 135 PC Operating Systems

¹ Please choose from Psychology (PSYCH) 101, Anthropology (ANTHR) 101, or Sociology (SOC) 101.

² Social Science includes Economics-ECON (except ECON 110 Personal Finance) Geography-GEOG, History-HIS or Political Science-POLSC.

WCC SCIENCE COURSES

Science Courses with Lab

BIOL 101 – Biological Science (Lab) 4 credits
BIOL 115 – General Biology I (Lab) 4 credits
BIOL 121 – A & P I (Lab) 4 credits
BIOL 128 – Basics Biotech 3 credits
BIOL 203 – Basic Micro bio (Lab) 3 credits
CHEM 107 – Inorganic Chem I (Lab) 4 credits
CHEM 113 – Prin. of Inorganic Chem (Lab) 4 credits
CHEM 127 – Intro to Forensic Science (Lab) 4 credits
CHEM 201 – Organic Chem I (Lab) 5 credits
PHYS 101 – Tech Physics I (Lab) 3 credits
PHYS 111 – College Physics I (Lab) 4 credits
PHYS 121 – Engineering Physics I (Lab) 5 credits
PHYS 129 – Intro to Oceanography (Lab) 4 credits
PHYS 143 – Earth Science (Lab) 4 credits
PHYS 151 – Astronomy (Lab) 4 credits

BIOL 103 – Human Biology (Lab) 4 credits
BIOL 117 – General Biology II (Lab) 4 credits
BIOL 123 – A & P II (Lab) 4 credits
BIOL 129 – Basics of Biotech Lab 0 credits
BIOL 221 – General Micro bio (Lab) 4 credits
CHEM 111 – Inorganic Chem II (Lab) 4 credits
CHEM 117 – Prin. of Organic Chem (Lab) 4 credits
CHEM 145 – Biochem of Addiction (Lab) 3 credits
CHEM 205 – Organic Chem II (Lab) 5 credits
PHYS 102 – Tech Physics II (Lab) 3 credits
PHYS 112 – College Physics II (Lab) 4 credits
PHYS 122 – Engineering Physics II (Lab) 5 credits
PHYS 131 – Physics for Telecomm/Verizon 4 credits
PHYS 145 – Weather & Forecasting (Lab) 4 credits
PHYS 292 – Physical Geography (Lab) 4 credits

Science Courses with/without Lab

BIOL 143 – Environmental Science 3 credits
BIOL 236 – Human Genetics 3 credits

BIOL 144 – Environmental Science Lab 1 credit
BIOL 237 – Human Genetics Lab 1 credit

Science Courses without Lab

BIOL 155 – Environmental Studies 3 credits
BIOL 161 – Bio of Human Sexuality 3 credits
PHYS 120 – Physical Science Exploration 3 credits
PHYS 159 – The Solar System
PHYS 165 – Principles of Energy

BIOL 159 – Problems in Pollution 3 credits
CHEM 131 – Intro to Forensic Science 3 credits
PHYS 134 – Science, Pseudoscience & Critical Thinking
PHYS 162 – Climate Change and our Future

Science Courses for Specific Areas/ Curriculums

BIOL 109C – Basic A & P (and Lab) PN 4 credits
BIOL 201 – Pharmacology (Respiratory Care) 3 credits
BIOL 229 – Cardiopulmonary Pathology (Respiratory Care) 2 credits

BIOL 127 – Cross Sectional Anatomy 3 credits
BIOL 202 – Pharmacology (For Nurses) 3 credits
BIOL 241 – Radiation Biology 3 credits

Honors Science Courses

BIOL 147H – Psych bio (and Lab) Honors 4 credits
PHYS 205H – Cambridge Science – Honor

PHYS 154H – Life in the Universe Honors 4 credits