

PROGRAM: AAS COMPUTER INFORMATION SYSTEMS

Division: Business, Behavioral/Social Sciences, Public & Human Services

CLA-201 (914) 606-6795

65 Credits

Curriculum Chair

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CLA-47

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Reviewed By: _____

Date: _____

Approved By Chairperson/Dean: _____

Course #	FALL SEMESTER	Credits	✓
ENG 101	<i>Composition & Literature 1</i>	3	
CIS 110	Computer Information Systems ¹	3	
CIS 120	Object Orient Programming Logic ¹	3	
	<i>Behavioral, Social Science or Humanities²</i> _____	3	
MATH 130/135	<i>College Alg. W Trig or College Alg. Functions & Models</i>	3-4	
MATH 140	<i>Statistics (recommended if transferring) or take any math</i>		
	<i>PE (fitness)-</i> _____	1	

Course #	SPRING SEMESTER	Credits	✓
ENG 102	<i>Composition & Literature 2</i>	3	
CIS 225	Database Management Systems	3	
CIS 220	Visual Basic for Business	3	
	<i>Science (lab recommended)-</i> _____	3-4	
	<i>Behavioral, Social Science or Humanities²</i> _____	3	
	<i>PE (sport)-</i> _____	1	

Course #	FALL SEMESTER	Credits	✓
	<i>Mathematics or Science-</i> _____	3-4	
OFTEC 240	Business Communications	3	
ACC 119	Financial Accounting	4	
CIS 135	PC Operating Systems	3	
CIS 140	Networking for Business	3	

Course #	SPRING SEMESTER	Credits	✓
CIS 155	Principles of Security/Forensics	3	
CIS 260	Systems Analysis/Design	3	
ACC 120	Managerial Accounting	4	
	<i>Liberal Arts-</i> _____	3	
MGT 101	Business Organization & Management	3	

Bold italic items are Core Requirements.

NOTES:

Name

CIS 135 PC Operating Systems
 CIS140 Networking for Business
 CIS 220 Visual Basic for Business
 CIS 260 Systems Analysis/Design

Prerequisite

CIS 110-Computer Information Systems
 CIS 110- Computer Information Systems
 CIS 120- Object Orient Programming Logic
 CIS 225-Database Management Systems

Students who select Computer Information Systems as their major are strongly advised to choose the highest level of math so that they will be adequately prepared for the field and for transferring to continue their education. Finite Math, Algebra with Trigonometry, Pre Calculus and Statistics are all desirable courses for a CIS major. Schedule CIS courses first. Schedule CORE courses around CIS courses.

¹ Computer Information Systems and ¹Object Oriented Programming Logic are co-requisites or Computer Information System should be taken first.

² Behavioral, Social Science or Humanities Elective - Choose a 3 credit courses from 2 areas for a total of 6 credits.

WCC SCIENCE COURSES

Science Courses with Lab

BIOL 101 – Biological Science (Lab) 4 credits	BIOL 103 – Human Biology (Lab) 4 credits
BIOL 115 – General Biology I (Lab) 4 credits	BIOL 117 – General Biology II (Lab) 4 credits
BIOL 121 – A & P I (Lab) 4 credits	BIOL 123 – A & P II (Lab) 4 credits
BIOL 128 – Basics Biotech 3 credits	BIOL 129 – Basics of Biotech Lab 0 credits
BIOL 203 – Basic Micro bio (Lab) 3 credits	BIOL 221 – General Micro bio (Lab) 4 credits
CHEM 107 – Inorganic Chem I (Lab) 4 credits	CHEM 111 – Inorganic Chem II (Lab) 4 credits
CHEM 113 – Prin. of Inorganic Chem (Lab) 4 credits	CHEM 117 – Prin. of Organic Chem (Lab) 4 credits
CHEM 127 – Intro to Forensic Science (Lab) 4 credits	CHEM 145 – Biochem of Addiction (Lab) 3 credits
CHEM 162 – Topic in Science 3 credits	CHEM 163 – Topic in Science Lab 1 credit
CHEM 201 – Organic Chem I (Lab) 5 credits	CHEM 205 – Organic Chem II (Lab) 5 credits
PHYS 101 – Tech Physics I (Lab) 3 credits	PHYS 102 – Tech Physics II (Lab) 3 credits
PHYS 111 – College Physics I (Lab) 4 credits	PHYS 112 – College Physics II (Lab) 4 credits
PHYS 121 – Engineering Physics I (Lab) 5 credits	PHYS 122 – Engineering Physics II (Lab) 5 credits
PHYS 129 – Intro to Oceanography (Lab) 4 credits	PHYS 131 – Physics for Telecomm/Verizon 4 credits
PHYS 143 – Earth Science (Lab) 4 credits	PHYS 145 – Weather & Forecasting (Lab) 4 credits
PHYS 151 – Astronomy (Lab) 4 credits	PHYS 292 – Physical Geography (Lab) 4 credits

Science Courses with/without Lab

BIOL 143 – Environmental Science 3 credits	BIOL 144 – Environmental Science Lab 1 credit
BIOL 236 – Human Genetics 3 credits	BIOL 237 – Human Genetics Lab 1 credit

Science Courses without Lab

BIOL 155 – Environmental Studies 3 credits	BIOL 159 – Problems in Pollution 3 credits
BIOL 161 – Bio of Human Sexuality 3 credits	CHEM 131 – Intro to Forensic Science 3 credits
PHYS 119 – Science and Survival 3 credits	PHYS 120 – Physical Science Exploration 3 credits
PHYS 159 – The Solar System	PHYS 165 – Principles of Energy

Science Courses for Specific Areas/ Curriculum

BIOL 109C – Basic A & P (and Lab) PN 4 credits	BIOL 127 – Cross Sectional Anatomy 3 credits
BIOL 201 – Pharmacology (Respiratory Care) 3 credits	BIOL 202 – Pharmacology (For Nurses) 3 credits
BIOL 229 – Cardiopulmonary Pathology (Respiratory Care) 2 credits	BIOL 241 – Radiation Biology 3 credits

Honors Science Courses

BIOL 147H – Psych bio (and Lab) Honors 4 credits	PHYS 154H – Life in the Universe Honors 4 credits
PHYS 205 – Cambridge Science – Honor	