

**THIS IS A CAREER DEGREE.
IT IS NOT DESIGNED TO TRANSFER TO A FOUR YEAR UNIVERSITY.**

**Danville Area Community College
2021-2022**

Applied Computer Science
Associate in Applied Science Degree

This curriculum is designed for persons interested in preparing for positions in the numerous programming fields. Career opportunities in programming are quite extensive and diversified. Career objectives of persons completing this program would be in the areas of Computer Programming and Web Development. This degree allows students to combine knowledge from two different programming areas. Businesses in today's world use all of these systems to accomplish and meet their Information Technology needs. This is an occupational program typically not designed to transfer; however, this program has been articulated to some senior institutions. Please contact a counselor for specific details.

First time degree seeking students must complete INST101, Success in College, as a requirement for graduation.

REQUIRED COURSES	HOURS	F,S,I,SU	GRADE
First Semester			
CBUS 150 Business Computer Systems	3		
CSCI 101 Intro to Python Programming	3		
INFO 174 Intro to Web Design: HTML/CSS	3		
ENGL 121 Communication Skills OR ENGL 101 Rhetoric and Composition	3		
MATT 133 Technical Mathematics OR MATH 115 Survey of Statistics (pre: MATT 132 or Placement Exam)	4		
Total	16		
Second Semester			
CSCI 100 Concepts in Programming: C++	3		
CSCI 201 Advanced Python (pre: CSCI 101 with a grade of "C" or higher OR Instructor Consent)	3		
INFO 190 Worksite Seminar (pre: Instructor Consent, 15 credits toward INFO degree needed)	1		
INFO 284 Web Programming: Java Script (pre: INFO 174 and one intro programming course (CSCI 100, CSCI 101, CSCI 103) with a "C" or higher or Instructor Consent)	3		
SPCH 101 Oral Communication	3		
General Education Elective	3		
Total	16		
Third Semester			
CSCI 103 Intro to Java Programming (pre: CSCI 200 or CSCI 201 with a grade of "C" or higher or Instructor Consent)	3		
CSCI 200 Advanced C++ (pre: CSCI 100 with a "C" or higher or Instructor Consent)	3		
INFO 230 Web Programming PHP/MySQL (pre: INFO 174 and one intro programming course (CSCI 100, CSCI 101, CSCI 103) with a "C" or higher or Instructor Consent)			
INFO 245 Employment Seminar (pre: Instructor Consent)	1		
CSCI 150 Database Concepts: SQL	3		
General Education Elective	3		
Total	16		

continue on next page

Applied Computer Science (continued)

	HOURS	F,S,I,SU	GRADE
Fourth Semester			
INFO 173 Linux OR INFO 153 A+ Prep	3		
CSCI 203 Advanced Java Programming (pre: CSCI 103 with a grade of "C" or higher or Instructor Consent)	3		
INFO 276 Development Mobile Phone Apps (pre: INFO 174 and INFO 284 with a grade of "C" or higher or Instructor Consent)	3		
INFO 290 Supervised Occupational Experience (pre: Sophomore standing or Instructor Consent)	3		
CSCI 151 DataBase Design Principles	3		
Total	15		

Total Hours 63