

Computer Science ACADEMY



Career Pathway

for Dual Enrollment high school students



Academy Information

Lehigh Carbon Community College's Computer Science Academy prepares you to seamlessly transfer into a four-year Bachelor's program after completing the associate degree or enter directly into a career in the field.

In this program, you will take classes such as:

- Computer Organization and Architecture
- Introduction to Computers and Applications
- Operating Systems

and more!

Additional information regarding the course sequence can be found on the reverse side of this sheet.

Requirements

- Students can join the academy during their junior or senior year.
- Approval from principal or school counselor.
- Dual Enrollment students must meet the same prerequisites as all other college students. Some college classes will require placement testing.

This program is a great way to get started in the computer science field while building skills for the future.

For more information, contact:

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High School Connections
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Lehigh Carbon
COMMUNITY COLLEGE

Computer Science ACADEMY

Suggested Course Sequence

Junior Year

Total Credits: 10

First Semester

CIS105: Introduction to Computers and Applications (3 credits)

CIS119: College Survival Boot Camp (1 credit)

Second Semester

CIS225: Computer Organization and Architecture (3 credits)

CIS112: Computational Thinking and Programming Logic (3 credits)

Senior Year

Total Credits: 13

First Semester

CIS155: Introduction to Computer Science - Structured Program C++ (3.5 credits)

CIS255: Database Environment (3.5 credits)

Second Semester

CIS250: Operating Systems (3 credits)

BUS120: Introduction to Business Organization (3 credits)

Elective Options

MAT160: College Algebra

CIS110: Business Information Systems

ENG105: Research and Composition

CIS280: Object-Oriented Programming with Visual Basic.NET

Credits apply to the following:

Computer Science, AS

Computer Information Systems, AS

Want to learn more about High School Connections? Scan the QR code to go to our website!

