



COMPUTER SCIENCE & INFORMATION SYSTEMS

ASSOCIATE DEGREE & CSCU PATHWAY TRANSFER DEGREE

Gain computer technology skills that will equip you for the information technology (IT) industry. The IT industry has high future demands, offering endless opportunities!

OVERVIEW

Students gain an understanding of the information technology field, such as designing, coding, compiling, executing, and debugging programs in various programming languages. Instruction guides students to apply effective web design principles to design and develop web pages. Learners gain a basic understanding of relational databases and the ability to query and manipulate data in relational databases. Operating systems, data communications, computer networks, the Internet, and all relevant and underlying protocols and infrastructures are demonstrated.

RELATED CAREERS

Technical Support
Network and Systems Administrator
Database Administrator
Information Security Analyst
Computer Programmer
Software Developer

For the latest salary and career information please visit:
onetonline.org

CAREER READINESS SKILLS

Critical Thinking/Problem-Solving

Form creative decisions by interpreting information, opinions and data.

Oral/Written Communication

Explain thoughts and ideas effectively to people inside and outside the organization.

Teamwork

Work efficiently with diverse groups; the ability to negotiate and manage conflict maturely.

Digital Technology

Demonstrate adaptability to new emerging technology to achieve goals.

Leadership

Leverage the strength of others to achieve common goals, as well as prioritizing and delegating work.

Professionalism

Recognizing the significance of time, tasks, appearance and accountability.

Career Management

Understand how to self-advocate for opportunities, while identifying areas necessary for professional growth.

Global Perspective

Openness, inclusiveness, and sensitivity to people of diverse backgrounds and lifestyles.

CAMPUS CONTACT FOR THIS PROGRAM:
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HCC is an Achieving the Dream Leader College, ranked by the Aspen Institute among nation's top 150 community colleges.



HOUSATONIC
COMMUNITY COLLEGE



THE SMART PLACE TO START— ACADEMICALLY AND FINANCIALLY!

HCC's low tuition plus financial aid opportunities help make a high-quality education affordable. You could qualify for federal grants, workforce grants, scholarships, and more. Learn more about financial aid online at www.housatonic.edu/finaid or call 203.332.5047.

APPLY TODAY!

To learn more about HCC, visit us on the web at www.housatonic.edu. Apply today online or contact the Admissions Office at 202.332.5100 to schedule a visit.

SUGGESTED SEQUENCE OF COURSES

Prerequisite or parallel courses may be required. Please check individual course descriptions for details.

COMPUTER SCIENCE INFORMATION SYSTEMS ASSOCIATE DEGREE

Suggested Sequence of Courses:

Prerequisite or parallel courses may be required. Please check individual course descriptions for details.

Freshman Year

ENG* E101 - Composition	3 credits
Elective (MATH) - Mathematics	3-4 credits ¹
CSC* E105 - Programming Logic	3 credits
CSC* E238 - SQL Fundamentals	3 credits
Elective (AESX) - Aesthetic Dimensions	3 credits
Elective (SOCX) - Social Phenomena I	3 credits
CST* E266 - Linux Fundamentals	3 credits
CST* E153 - Web Development & Design I	4 credits
Elective (Restricted) - Programming Language	3-4 credits ³
Elective (COMP) - Computer Science	3-4 credits ²

Sophomore Year

ENG* E102 - Literature & Composition	3 credits
<i>or Elective (WRIX) - Written Comm. in English II (3 credits)</i>	
Elective (SCKX) - Scientific Knowledge & Understanding	3-4 credits ⁴
CST* E145 - Digital Circuits and Logic	4 credits
CSC* E233 - Database Development I	4 credits
Elective (COMP) - Computer Science	3-4 credits ²
CST* E231 - Data Communications & Networks	3 credits
Elective (Restricted) - Programming Language	3-4 credits ³
ECN* E101 - Principles of Macro-Economics	3 credits
<i>or ECN* E102 - Principles of Micro-Economics (3 credits)</i>	
BBG* E210 - Business Communication	3 credits

Total Credits: 60-66

¹ Must be one of the following: MAT* E137, MAT* E172, MAT* E186, MAT* E254.

² Open Computer Science Elective - Any approved computer technology, computer science, or computer application (not including CSA* E135 and CSA *E140) course selected in consultation with and approval by CS/CIS program advisor.

³ Restricted Programming Language Elective - Must be one of the following: CSC* E210, CSC* E218, CSC* E223, CSC* E224, CSC* E240, CSC* E267, CSC* E268, CSC* E269.

⁴ Students desiring to transfer to a 4-year school should take a 4 credit laboratory science course.

NOTE: Major Program Requirements have minimum grade requirements.

NOTE: A minimum of 15 credits must be taken in 200-level courses.

NOTE: For degree completion the student must complete the Computer Literacy Requirement.