Computer Science – Honors, B.S.
Central Connecticut State University

Please contact a campus advisor for this program:
Justine Gamache, Gamache@ccsu.edu
Professor Bradley Kjell, Kjell@ccsu.edu

Follow this link for important information about when and how to apply for transfer to a State University or Charter Oak State College.

Once you complete the *CSCU Pathway Transfer Degree: Computer Science Studies, A.A.*, the following requirements remain at Central Connecticut State University for you to complete the *Computer Science -- Honors, B.S.* You should meet with your campus contact for this program before registering for courses to ensure that you select the correct courses and the best order for taking them.

You must obtain a C- or better in all courses required for the major. You will be required to take a proficiency test specified by the department during your senior year. A minor is not required for this major.

General Education Requirements: **12-18 credits**
     Link to course options for general education

    Study Area I: Literature (select one):   3 credits

    Study Area I: Art & Humanities (select one):   3 credits

    Study Area II: Social Sciences (select one):   3 credits

    Study Area III – Behavioral Sciences (select one):   3 credits

    Skill Area III – Foreign Language Proficiency: 0-6 credits
       Link to foreign language proficiency requirements

Major Program Requirements: **44 credits**

Course	Credits
CS 153 Computer Science III	3 credits
CS 253 Data and File Structures	3 credits
CS 254 Computer Organization and Assembly Language Programming	3 credits
CS 355 Systems Programming	3 credits
CS 385 Computer Architecture	3 credits
Select 9 hours from the following advanced electives:	9 credits

        CS 407 Advanced Topics
        CS 415 Game Development
        CS 416 Web Programming
        CS 423 Graphics
        CS 425 Image Processing
        CS 460 Database Concepts
        CS 462 Artificial Intelligence
        CS 463 Algorithms
        CS 464 Programming Languages
        CS 465 Compiler Design
        CS 473 Simulation Techniques
        CS 481 Operating Systems
        CS 483 Theory
        CS 490 Networking
        CS 491 Wireless
        CS 492 Security
        CS 495 Legal, Social, Ethical Issues

	Credits
Select one of the following:	3 credits
PHIL 245 Computer Ethics	
PHIL 242 Ethical Problems in Technology 3	
Capstone Requirement:	6 credits

       CS 410 Introduction to Software Engineering
       CS 498 Senior Project

MATH 226 Linear Algebra and Probability for Engineers	4 credits
Select an additional 7 credits in science, STAT,	7 credits
or above MATH 119 (not counting those in the Math category)	

Minor Requirements: **0 credits**

Unrestricted Electives: **0-4***

*Your total number of unrestricted elective credits will partially depend upon how you met your foreign language proficiency requirement.

Remaining credits for the Computer Science -- Honors, B.S.:   **60-62 credits**

These requirements are effective if you declared this major for the 2017/2018 academic year.