Previous catalog years:
2017/18
2018/19

Catalog Year 2019-20
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

These requirements are effective if you declared the *Transfer Ticket*: *CSCU Pathway Transfer Degree: Computer Science Studies, A.A.*, for the 2016/17, 2017/18, 2018/19, or 2019/20 academic year.

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:	**50 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
CS 463 Algorithms	3 credits
CS 464 Programming Languages	3 credits
CS 483 Theory of Computation	3 credits
CS 492 Computer Security	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 465 Compiler Design	
CS 473 Simulation Techniques	

CS 481 Operating Systems	
CS 490 Networking	
CS 495 Legal, Social, Ethical Issues	
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, or MATH above MATH 119 (not counting those in the Math category)	7 credits

Minor Requirements:	**0 credits**
Unrestricted Electives:	**0 credits**
Remaining credits for the Computer Science -- Honors, B.S.:	**62-68 credits**