

# Christopher Newport University Bachelor of Science Degree in Computer Foundations, Major in Computer Science Associate Transfer Degree Plan in Computer Science

TRANSFER GUIDE  
Catalog Year: 2024-2025

## COURSE REQUIREMENTS

Complete at VCCS				Complete at CNU		
BACHELOR'S DEGREE REQUIREMENT	SATISFIED BY			BACHELOR'S DEGREE REQUIREMENT		
Course	Credits	CC Course	Notes	Course	Credits	Notes
	1-2	SDV 100 College Success Skills or 101 Orientation		Foreign Language	3	One 3-credit hour language course at the 200-level is required for graduation
ENGL 123	3	ENG 111 College Comp I		CPSC 250/250L	4	
ENGL 223	3	ENG 112 College Comp II or 113 Tech Prof Writing		CPSC 255	3	
Liberal Learning Curriculum	3	Any UCGS Art or Humanities		CPSC 280	3	
Liberal Learning Curriculum	3	Any UCGS Art, Humanities, or Lit	This course must come from a different group than prior requirement.	CPSC 327	3	
Liberal Learning Curriculum	3	Any UCGS History		CPSC 360	3	
Liberal Learning Curriculum	3	Any UCGS Social & Behavioral Science	This course may not be a history course.	CPSC 410	3	
PHYS 151/151L or PHYS 201/201L	4	PHY 201 General College Phys or PHY 241 Univ Phys I		CPSC 420	3	
MATH 140	4	MTH 263 Calc I		PHYS 341	3	
MATH 240	4	MTH 264 Calc II		CPSC 425, 440, 450, 460, 470, 471, 472, 475, 480, 485, 495; MATH 380; PHYS 421, 441; CYBR 428	9	Select three courses
PHYS 152/152L or PHYS 202/202L	4	PHY 202 General College Phys II or PHY 242 Univ Phys II	CNU requires students to take either PHY 201/202 or PHY 241/242	CPSC 498	3	Capstone course

CPSC 150	3	CSC 221 Intro to Problem Solving and Programming	Students will learn two languages over the course of the CSC 221-222-223 Sequence. Languages: C++, JAVA, Python	General Electives	17	Only needed if credit total is below 120
Elective	4	CSC 222 Object-Oriented Programming	CPSC 255 with CNU department approval, determined on an individual basis per syllabus			
CPSC 270 & CPSC 2XX	4	CSC 223 Data Structures				
ENGR 213	3	CSC 208 Discrete Structures				
Elective	3-4	CSC 205 Computer Organization, CSC 215 Computer Systems, or MTH 265 Calc III				
MATH 260	3-6	MTH 266 Linear Alg, Prerequisite Courses: MTH 161/162 Precalc I/II, MTH 167 Precalc with Trig				
CPSC 150L & CPSC 1XX	4	EGR 125 Introduction to Computer Programming for Engineers	Recommended since CNU requires CPSC 150L			
	3-6	Select course from previous list.	Only needed if credit total is below 60.			
CREDITS PRE-TRANSFER: 60				CREDITS POST-TRANSFER: 60		

# TRANSFER GUIDANCE

## Guaranteed Admission Agreement

By meeting the following criteria, you are guaranteed admission to CNU:

- Submit the [letter of intent](#) after at least 15 credit hours are earned at the VCCS, prior to graduation from the VCCS, and prior to applying for admission to CNU
- Graduate with a transfer-oriented degree from the VCCS with a 3.2 cumulative GPA
- Have at least one semester (fall/spring) with full-time enrollment (min. 12 credits)
- Maintain continuous enrollment in all non-summer terms from the point of registering their intent to transfer until the associate degree has been conferred

Formally apply for admission to CNU in the semester designated on the letter of intent and follow all admission processes, requirements and established deadlines

## IMPORTANT LINKS & DATES:

- **University Transfer Center:** [transfer.cnu.edu](https://transfer.cnu.edu)
- **Admission Application for Fall:** Priority date is March 1, application closes mid-July
- **Admission Application for Spring:** Priority date is October 1, application closes mid-December
- **Financial Aid:** [cnu.edu/financialaid/types/](https://cnu.edu/financialaid/types/)
- **FAFSA - Free Application for Federal Student Aid:** March 1 for fall semester at [studentaid.gov](https://studentaid.gov)

## WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Create a schedule for all required courses, pay attention to prerequisites and when courses are offered, complete your first math and English courses in your first year. For help, see Transfer Steps and Resource Center at [www.TransferVirginia.org](https://www.TransferVirginia.org)
- Connect with an advisor at your community college and CNU within your first year. College Connect available in your account at [www.TransferVirginia.org](https://www.TransferVirginia.org)

## IS THIS DEGREE RIGHT FOR ME?

We offer the bachelor of science degree in computer foundations with a major in computer science. Coursework is designed to prepare students in the foundations of computer hardware and software. You can also minor in computer science.

Computer science majors take courses that provide a background in computer engineering, computer science, mathematics, and physics. Advanced courses give you additional exposure to data structures, programming languages, operating systems and algorithms.

## WHAT IS THE IMPACT ON MY DEGREE OF WORK I HAVE ALREADY COMPLETED?

- **Associate Transfer Degree Completion:** The completion of a transfer-oriented associate degree will satisfy all lower-level liberal learning core requirements, excluding second language literacy, graduation requirements, upper-level requirements, and concentration/minor/major requirements. Courses, with a grade of 'C' or better, that have a Christopher Newport equivalent will transfer for 60-66 hours of college-level credit.

- **Credit for Prior Learning:** CNU accepts AP, IB, Cambridge, CLEP and military credits
- **Catalog Year:** <https://cnu.edu/public/undergradcatalog/>

## IS THIS COLLEGE RIGHT FOR ME?

- We think 5,000 students is just the right size. We're large enough to offer a wide variety of opportunities, but we're small enough that you won't feel like you are just a number
  - 90% of our faculty have the highest degree in their field but more important is their passion for engaging and advising students inside and outside the classroom
  - More than half of our classes have 19 or fewer students and less than 5% have 50 students or more! Professors know our students by name and expect them to be engaged each class
  - We enjoy a wonderful sense of community here, and our Honor Code is taken very seriously. We have a speaking tradition and you'll find that students and faculty here will hold the door for you and look you in the eye as you walk by
- Learn more about our college at [www.TransferVirginia.org](https://www.TransferVirginia.org)

## DID YOU KNOW THAT...

- Completing your Associate transfer degree post-high school satisfies all lower-division general education requirements and increases the chance of completing your bachelor's degree?
- Exceeding 3 years or 90 credits at your community college means you may have exhausted your financial aid at that college and have limited your future financial aid at CNU?

## WHAT CAN I DO WITH THIS DEGREE?

Explore possible careers, salaries, and job outlook at [www.TransferVirginia.org](https://www.TransferVirginia.org)

## PROGRAM SUCCESSES & HIGHLIGHTS

- CPSC majors can participate in Pizza My Mind, a series of career and networking lunch seminars featuring leading organizations that offer internships and career opportunities.
- Our majors have gone on to graduate school and work at companies like Google, LinkedIn, NASA, Jefferson Laboratory, Newport News Shipbuilding and Swisslog, to name just a few.

## WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

If you apply through general application instead of through the Guaranteed Admission Agreement, you will be considered for admission with all other transfer applicants.

Learn more about applying at [www.TransferVirginia.org](https://www.TransferVirginia.org) or [transfer.cnu.edu](https://transfer.cnu.edu)

## DO MORE WITH YOUR DEGREE!

- Students are encouraged to participate in an internship while pursuing their degree
- Students are encouraged to study abroad while pursuing their degree