

COURSE REQUIREMENTS

Complete at VCCS				Complete at Longwood University		
BACHELOR'S DEGREE REQUIREMENT	SATISFIED BY			BACHELOR'S DEGREE REQUIREMENT		
Course	Credits	CC Course	Notes	Course	Credits	Notes
No transfer	1-2	SDV 100 College Success Skills or 101 Orientation		Upper-Level Gen Ed	9	Completed prior to Symposium
ENGL 165	3	ENG 111 College Comp I		Symposium	3	Completed Senior Year
ENGL 1XX	3	ENG 112 College Comp II or ENG 113 Technical-Professional Writing		CMSC 161	1	
ANY	3	Any UCGS Art or Humanities		CMSC 208	3	
ANY	3	Any UCGS Art, Humanities, or Literature	These two courses must come from two different disciplines.	CMSC 242	3	
ANY	3	Any UCGS History		CMSC 262	3	
ANY	3	Any UCGS Social & Behavioral Science	This course may not be a history course.	CMSC 283	0	
ANY	4	BIO 101 Gen Bio I, CHM 111 Gen Chem I, PHY 201 Gen Coll Phys I, PHY 241 Univ Phys I, GOL 105 Physical Geology, GOL 106 Historical Geology, or GOL 110 Earth Systems		CMSC 442	3	
MATH 261	4	MTH 263 Calculus I		CMSC 461	3	
MATH 171	3	MTH 245 Statistics		CMSC 483	0	
ANY	3-4	BIO 102 Gen Bio II, CHM 112 Gen Chem II, GOL 105-106-110 Phys Geo-Historical Geo-Earth Systems, PHY 202 Gen Coll Phys II, PHY 242 Univ Phys II, MTH 264 Calculus II, MTH 265 Calc III,		ENGL 319	3	

		CST 100 Public Speaking, CST 110 Human Communication, or World Languages				
CMSC 140	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	CMSC upper-level electives	12	
CMSC 160	4	CSC 222 Object-Oriented Programming		General electives	17	As needed to complete 120 total credits.
CMSC 162	4	CSC 223 Data Structures	Students must take both CSC 222 and CSC 223 to receive credit for CMSC 160 and CMSC 162.			
MATH 175	3	CSC 208 Discrete Structures or MTH 288 Discrete Mathematics				
CMSC 201	3	CSC 205 Computer Organization or CSC 215 Computer Systems				
MATH 164 MATH 280	7-10 (Select more courses as needed to reach credit total of 60)	MTH 266 Linear Algebra, Prerequisite Courses: MTH 161/162 Precalc I/II, MTH 167 Precalc with Trig	MTH 167 = MATH 164 is a pre-requisite to MTH 263, and should be taken if needed.			
CREDITS PRE-TRANSFER: 60-62				CREDITS POST-TRANSFER: 60		

TRANSFER GUIDANCE

Guaranteed Admission Agreement (GAA): Longwood University and VCCS

By meeting the following criteria, students are eligible for completion of all Foundation-level courses as well as the Integrating World Languages Perspectives-level course associated with LU's Civitae general education experience.

- A cumulative GPA of 2.5 or higher on a four-point scale, computed as shown on the two-year institution transcript.
- Earn a grade of "C" (2.0) or higher in each community college course.
- Disciplinary records are reviewed and evaluated on a case-by-case basis and could affect the student's eligibility.
- Students must complete an AA, AS, or AA&S degree through the VCCS with at least 60 credits.
- Submit to the LU Admissions Office an official transcript showing completion of the applicable associate's degree. Until LU receives the official transcript showing degree conferred, the terms of the GAA will not be applied.

Please visit the Transfer Virginia portal (www.TransferVirginia.org) to find course requirements for different majors (Transfer Tools) and Transfer Guides that outline course requirements for specific majors (Resource Center).

IMPORTANT LINKS & DATES:

- **University Transfer Center:** <http://www.longwood.edu/admissions/transfer-students/>
- **Register Intent to Transfer:** Not required.
- **Admission Application:** By December 1 for spring admission and by March 1 for fall admission, although we continue to review applications after the March 1 date. Apply at <http://www.longwood.edu/apply/>.
- **Financial Aid:** <http://www.longwood.edu/financialaid/>.
- **FAFSA - Free Application for Federal Student Aid:** The FAFSA priority filing deadline is March 1. We recommend filing early to ensure you receive the maximum amount of aid at www.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, and complete your first math and English courses in your first year. For help, see Transfer Steps and Resource Center (www.TransferVirginia.org).
- Connect with an advisor at your community college and Longwood University within your first year. Use the College Connect feature in the portal (www.TransferVirginia.org).
- Students interested in a minor should plan to take preliminary coursework as available.
- To complete all Longwood requirements in four semesters, careful planning will be necessary. CMSC 160 and CMSC 162 (VCCS CSC 222 and CSC 223) and MATH 175 (CSC 208 or MTH 288) are typically first- and second-year courses at Longwood.

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

- **Associate Transfer Degree Completion:** Completion of all Foundation-level courses as well as the Integrating World Languages Perspectives-level course associated with LU's Civitae general education experience.

- **Credit for Prior Learning:** LU accepts credit for CLEP, Advanced Placement, International Baccalaureate, Cambridge, military training/experience, or other forms of advanced standing, which will be evaluated on a case-by-case basis. Students under this GAA who have credit for prior learning receive the overarching benefits of the GAA but must present documentation from the original agency or experience as part of a course-by-course credit evaluation to determine applicability to specific coursework or major requirements.
- **Catalog Year:** In accord with state policy, students may choose the catalog in effect at the time they enroll at Longwood or the one that applies to continuous full-time students at their class level.
- **Dual Enrollment – Completion of Associate Degree in HS:** High school students who have earned an applicable associate's degree concurrent with high school graduation are not eligible for guaranteed admission under the terms of this agreement. Such students are considered freshman applicants with transfer credit. If admitted, no distinction will be made by LU regarding college courses applicable to the transferable associate's degree that are completed through dual enrollment. Those students completing applicable associate's degrees, upon receipt of the final official transcript demonstrating completion of the GAA requirements, will be awarded a waiver for Foundation-level courses as well as the Integrating World Languages Perspectives-level course. However, the following will be required of these students to support their transition to Longwood: a. They must attend freshman orientation. b. They must live in on-campus housing unless qualified for a release. On-campus housing is guaranteed for these students. c. They must enroll and pass ENGL 265, The Writing and Rhetoric of Citizenship.

IS THIS COLLEGE RIGHT FOR ME?

- Longwood is a mid-sized university where students enjoy the highest percentage of classes taught by full-time professors in Virginia and a residential academic community that offers students the full university experience.
- Our Civitae Core Curriculum classes are capped at 25 students, and class sizes throughout our majors, minors, and concentrations encourage faculty-student collaboration.
- Opportunities for student involvement are a hallmark of the Longwood experience. From service organizations, Greek life, club sports, and a long list of clubs based on interests and activities, there is something for everyone. Each semester, an involvement fair helps students find organizations that are the right fit for them to make their time at Longwood even more meaningful.
- With seven on-campus residence halls and two university-managed apartment complexes, students live, learn, and grow together in a true community.
- Learn more at www.TransferVirginia.org

DID YOU KNOW THAT...

- Completing your associate's transfer degree post-high school satisfies all lower-division general education requirements and increases the likelihood of completing your bachelor's degree?
- Exceeding three 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 Longwood University?

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Typically, Longwood admits 85% of transfer applicants who seek admission outside of the GAA. The average GPA for admitted transfer students tends to be 3.2-3.5.

- Learn more at www.TransferVirginia.org.

IS THIS DEGREE RIGHT FOR ME?

- Our curriculum has a heavy focus on systems programming and software development. Classes are taught in-person and we do not offer night classes.
- The bachelor of science degree requires additional mathematics courses, including calculus or linear algebra, and many students in this program will continue with additional math classes, which are required for certain more technical jobs, or for students interested in graduate school.
- The bachelor of arts degree requires additional humanities or language courses to complement their work in computer science. Students minoring in non-technical areas will often choose the bachelor of arts degree.
- Most of the software development in our courses will be in a Linux environment, and students will work on them using the Linux workstations of our advanced computing lab. Most students will want to have a reasonably powerful laptop; some will install Linux but many do not. If you will be buying a new laptop and plan to install Linux on it, a list of laptop recommendations is available at <https://www.cs.longwood.edu/Laptops.html>.

WHAT CAN I DO WITH THIS DEGREE?

Explore possible careers, salaries, and job outlook at www.TransferVirginia.org.

PROGRAM SUCCESSES & HIGHLIGHTS

- Longwood graduates work as software engineers, system administrators, I.T. specialists, at places like Capital One, SWIFT Inc., Innova Systems, and the Naval Surface Warfare Center.

DO MORE WITH YOUR DEGREE!

- All students in this program complete either an internship or directed study project. Active student organizations include a cybersecurity club, a chess team, a game development club, a chapter of the Association for Computing Machinery (ACM), and a math club.
- Computer science pairs well with almost any other discipline as either a minor or a double major, and at a school like Longwood it's easy to match computer science with unrelated interests like History, Creative Writing, Chemistry, or Philosophy (as various recent alumni have done).
- Students looking for a more conventional combination have enriched their experience by adding minors in Cybersecurity or Mathematics, and there are opportunities for connections with minors in Geographic Information Systems or Applied Statistics.

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- The zero-credit CMSC 283 and CMSC 483 are centered around an internship or directed study for the student.
- Continue at Longwood and complete an MBA through our innovative program with fully online option.