**TRANSFER GUIDE**
**Catalog Years: 2024-2026**

# William & Mary BS in Computer Science

## Associate Transfer Degree Plan in Computer Science

## COURSE REQUIREMENTS

| Complete at Community College | | | | Complete at William & Mary | | |
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| **BACHELOR'S DEGREE REQUIREMENT** | | **SATISFIED BY** | | **BACHELOR'S DEGREE REQUIREMENT** | | |
| **Course** | **Credits** | **CC Course** | **Notes** | **Course** | **Credits** | **Notes** |
| | 0 | SDV 100 or 101 | No credit | CSCI 241 | 3 | Post-transfer; 1st Semester Courses |
| WRIT 101 | 3 | ENG 111 | | CSCI 304 | 3 | Post-transfer; 1st Semester Courses |
| ENGL 210 | 3 | ENG 112 | | CSCI 301 | 3 | |
| | 3 | Any Humanities or Fine Arts | | CSCI 303 | 3 | |
| | 3 | Any Humanities, Fine Arts, or Lit | Course must be distinct from one above. | CSCI 312 | 3 | |
| | 3 | Any History | | CSCI 423 | 3 | |
| | 3 | Any Social/Behav Science | This course may not be a history course. | CSCI 400 | 12 | 4 400-level electives; including one course to fulfill COLL 400 |
| BIO 101 = BIOL 203/L; CHM 111 = CHEM 103/L; GOL 105 = GEOL 101/160L, GOL 110 = GEOL 110/160 | 4 | BIO 101, CHM 111, or PHY 241, GOL 105, GOL 110 | | COLL 150 | 4 | Must be fulfilled at W&M |
| MATH 111 | 4 | MTH 263 | | COLL 200 | 3 | Must be fulfilled at W&M |
| MATH 112 | 4 | MTH 264 | | COLL 300 | 3 | Must be fulfilled at W&M |
| BIO 102 = BIOL 204/L; CHM 112 = CHEM 208/254; GOL 105 = GEOL 101/160L, GOL 110 = GEOL 110/160; MTH 245 = MATH 106; CST 100 = SPCH 201; CST 110 = SPCH 102 | 4 | BIO 102, CHM 112, GOL 105, 110, or PHY 242 MTH 245, CST 100 or 110 | | COLL 350 | 3 | Must be fulfilled at W&M |
| CSCI 1XX | 3 | CSC 221 | Students will learn two languages over the course of the CSC 221-222- 223 Sequence. Languages: C++, JAVA, Python | Arts Proficiency | 2 | May be fulfilled through test or transfer credit or in residence at W&M |

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| CSCI 141 | 4 | CSC 222 | | Electives | | Students must have 120 credits to graduate. 60 of those credits must be taken at W&M. |
| CSCI 2XX | 3-4 | CSC 223 | | | | |
| CSCI 243 | 3 | CSC 208 | | | | |
| MATH 212 | 3 | MTH 265 | | | | |
| PHY 201 = PHYS 107/L; CST 100 = SPCH 201; CST 110 = SPCH 102 | 3-4 | Additional science as above plus PHY 201, CST 100, CST 110, World Languages | | | | |
| Foreign Language Proficiency | 0-12 | World Languages | Please refer to the Transfer Guidance page for additional information | | | |
| **CREDITS PRE-TRANSFER: Up to 67** | | | | **CREDITS POST-TRANSFER: At least 60** | | |

## TRANSFER GUIDANCE

**By meeting the following criteria, you are guaranteed admission to W&M:**

- Earn a transfer-oriented associate degree at a VCCS institution
- Earn a minimum GPA of 3.4 at a VCCS institution

### IMPORTANT LINKS & DATES:

- **University Transfer Center:** wm.edu/transfer
- **Register Intent to Transfer:** Submit Letter of Intent by Feb. 1 for Fall, or Sept. 1 for Spring admission through College Connect at www.TransferVirginia.org
- **Admission Application:** Common Application for Transfer by March 1 for Fall or October 1 for Spring.
- **Financial Aid:** wm.edu/admission/financialaid/index.php
- **FAFSA - Free Application for Federal Student Aid:** October 1 for Fall at studentaid.gov (recommend adding CSS Profile)

### FOREIGN LANGUAGE PROFICIENCY REQUIREMENT

All undergraduate students must demonstrate proficiency in a foreign language at the 202/203 level at W&M. Students may satisfy this requirement by:

- Taking the 4th level of one foreign language in high school
- Receive AP, IB or transfer credit for the 202 level or higher
- Receive a score of 600 or better on the SAT II achievement test in a modern foreign language (650 or better in Latin)
- Complete a college-level course at the 202 level or above

### WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- A typical workload is 2-3 CS courses per semester. The total number of CS courses post transfer is 10 courses (3CR each).
- 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
- Connect with an advisor at your community college and William & Mary within your first year.

### IS THIS DEGREE RIGHT FOR ME?

- Learn how to address real world problems with computational means.
- Computer science studies the development of algorithms and data structures for representing and processing information using computational devices ranging from tiny IoT sensors to cloud computing.
- The department's programs prepare students for graduate study in computer science and for employment as computer science professionals.

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

- **Associate Transfer Degree Completion:** An Associate Degree results in lower-division gen ed and proficiency requirements being met except the Foreign Language proficiency.
- **Dual Enrollment – Completion of Associate Degree in HS:** W&M does not guarantee admissions to high school students earning a transferrable associate degree through dual enrollment.
- **Credit for Prior Learning:** Credits applied toward the associate degree but not earned at the VCCS institution will be reviewed in accordance with W&M academic policy as outlined in the Undergraduate Catalog. Other types of credit, such as military training, ACE recommendations, and CLEP, will be assessed in accordance with W&M policy at the time of student matriculation.
- **Catalog Year:** Catalog year is determined by your first post high school enrollment at a VCCS school.

## IS THIS COLLEGE RIGHT FOR ME?

- W&M is a top research university grounded in the liberal arts and sciences.
- W&M offers 54 undergraduate majors and 62 minors.
- The CS program is small and diverse: 180 majors, about 1/3 are female.
- CS also offers a MS/Phd graduate program and research active faculty provide ample research opportunities for undergraduate students as well in areas such as cyber security, software engineering, AI/ML, big data.
- CS faculty teach small interactive courses of up to 50 students that emphasize experiential learning and encourage student-faculty collaboration.
- The CS curriculum has a focus on software development, classes are taught in person and during regular business hours.

## 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 William & Mary?

## WHAT CAN I DO WITH THIS DEGREE?

Together with the broader College Curriculum, CS offers a well-rounded education that qualifies students for graduate studies at top Phd programs as well as a diverse set of roles not just in the tech industry, but also in areas such as consulting, finance, healthcare and many more.

## PROGRAM SUCCESSES & HIGHLIGHTS

CS at W&M has an active student community with the W&M ACM chapter and the ACM-W Society of Women in Computing.
Undergraduates can participate in cutting edge NSF funded research projects over the summer or throughout the year.

## WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- Of students who applied in fall of 2021, 53% were admitted.
- Any transfer student accepted at W&M may major in Computer Science. No additional application is necessary.

## DO MORE WITH YOUR DEGREE

CS majors with a GPA of 3.0 or higher may earn an MS degree within 1 yr after completion of their BS degree.
W&M offers plenty of opportunities for conducting research with faculty and developing a portfolio of ideas using resources including the media center, the makerspaces, and the entrepreneurship center.
CS students often do internships over the summer with the option to receive academic credit.
The W&M Career center supports students in their job search through resume workshops, individual consultations, and campus job fairs.
Computer science pairs well with almost any other discipline as either a minor or a double major, and in an Arts & Sciences environment at W&M, students combine CS with their interests in other disciplines such as Data Science, Math, natural sciences, Linguistics, Music, or Philosophy.

## ARTS PROFICIENCY

This requirement will be satisfied by two credits with an Arts Proficiency attribute in the same creative or performing art. The purpose of this proficiency is to understand the artistic process. Accordingly, by actively involving students in exercises that require artistic choices, these courses aim for an experience-based understanding of how the artist communicates. A course that satisfies this proficiency requires a student to begin to understand an art at the foundation level through artistic activities involving each of the following: developing their artistic skills; and applying the principles of the art through projects and/or exercises.