

# COMPUTER SCIENCE TRANSFER GUIDE 2024-25

Eastern Mennonite University Bachelor of Science in Computer Science

Associate Transfer Degree Plan in Computer Science



## COURSE REQUIREMENTS

### Complete at VCCS

### Complete at EMU

#### BACHELOR'S DEGREE REQUIREMENT

#### SATISFIED BY

#### BACHELOR'S DEGREE REQUIREMENT

Course	Credits	Gen ED*	CC Course	Notes	Course	Credits	Notes
Non-transferable	1-2		SDV 100 College Success Skills or 101 Orientation		Core: ABP 260 Questions of Faith and Ethics	3	
Core: WRIT 125	3	PUA	ENG 111 College Comp I		Core: CORE 300 Power, Systems, and Justice	3	
Core: WRIT 135	3	UA	ENG 112 College Comp II		CORE 301 Transfer Portfolio	1	If not fulfilled in advance
Core: Creative Arts	3	PUA	Any UCGS Art or Humanities		CORE 402 Senior Portfolio	1	
Core: Literature	3	UA	Any UCGS Literature	This course must come from a different group than prior requirement	CE 165 Networking and Data Communications	2	
Core: History	3	PUA	Any UCGS History		CE 175 Architecture and Operating Systems	4	
Core: Natural Science	4	PUA	Any UCGS Natural Sciences		CE 265 Databases and Information Management	2	
Core: Technology Intensive	3	PUA	MTH 245 Statistics I	Will also meet the STAT 220 course requirement for CS major	CS 345 Data Structures	2	
Core: Communication Skills course	3	UA	CST 100 Public Speaking, or CST 110 Intro to Communication		CS 355 Advanced Data Structures	2	Writing Intensive, CORE designate
Core: Language Learning	3		Any foreign language course		CS 365 System Administration	2	

Complete at VCCS (cont'd)				Complete at EMU (cont'd)	
BACHELOR'S DEGREE REQUIREMENT		SATISFIED BY		BACHELOR'S DEGREE REQUIREMENT	
Course	Credits	CC Course	Notes	Course	Credits
CORE 202 Living Well	2-6	PED 107 Exercise and Nutrition I, PED 108 Exercise and Nutrition II, PED 116 Lifetime Fitness and Wellness	Must have a total of at least 2 credits across the three courses to fulfill the Living Well requirement	CS 375 Software Engineering	2
CS 145	3-4	ITP 150 Python Programming	Only 1 of ITP 150, ITP 250, and ITP 120 is required. However, any additional ones will count as Additional CS courses (12 credits required for BS)	CS 445 Programming Languages	2
CS 155	4	ITP 250 Advanced Python Programming	Only 1 of ITP 150, ITP 250, and ITP 120 is required. However, any additional ones will count as Additional CS courses (12 credits required for BS)	CS 475 Capstone Project	2
CS 245	3-4	ITP 120 – Java Programming I	Only 1 of ITP 150, ITP 250, and ITP 120 is required. However, any additional ones will count as Additional CS courses (12 credits required for BS)	Remainder of Foundational courses (12 cr), Supporting courses (12 cr), and Additional courses (12 cr) as needed if not already completed	
CS 255	3-4	ITP 220 – Java Programming II			
MATH 185	4	MTH 263 Calculus I	Will also meet the Quantitative Reasoning requirement. Note that this course is not required for the CS major; it is just one of several paths towards meeting the Supporting courses requirement		
STAT 120	3	MTH 155 – Statistical Reasoning	Will also meet the Quantitative Reasoning requirement		
STAT 220	3	MATH 245 Statistics I			
MATH 170	3	MTH 288 Discrete Mathematics or CSC 208 Introduction to Discrete Structures			
Supporting Courses Requirement	4	Any combination of statistics, engineering, or mathematics (at or above MTH 263) courses	Cannot be double counted with courses counted elsewhere		
Additional CS/CE Courses Requirement	4	Any CSC courses	Cannot be double counted with courses counted elsewhere		
MATH 350	4	MTH 266 Linear Algebra	Only needed if 60 credits not met		
MATH 310	3	MTH 267 Differential Equations	Only needed if 60 credits not met		

\* **A** = Completion of the Associate Degree satisfies this General Education requirement. **U** = This course satisfies a Uniform Certificate of General Studies requirement. **P** = This course satisfies a Passport requirement.

# TRANSFER GUIDANCE

## Guaranteed Admission Agreement

Students who complete the prescribed curriculum and meet the criteria below are guaranteed admission into Eastern Mennonite University. (This agreement does not guarantee your enrollment in any specific major. See available Guaranteed Program Admission Agreements for details about majors.)

- Earn a transferable associate degree
- Earn a minimum of 2.5 or higher cumulative GPA
- Earn a grade of C or higher in each VCCS course applicable to the transfer-oriented associate degree program
- Students should apply to transfer to EMU, which serves as their registration of intent to utilize the GAA
- Upon graduation, submit an official transcript showing completion of associate degree to the EMU Admissions

Please visit the TransferVirginia.org portal to find course requirements for different majors and **Transfer Guides** that outline course requirements for specific majors.

## IMPORTANT LINKS & DATES:

- **University transfer center:** <https://emu.edu/transfer>
- **Admission Application (rolling admissions):** <https://emu.edu/apply>
- **Financial aid:** <https://emu.edu/financial-aid/transfer>
- **FAFSA - Free Application for Federal Student Aid:** <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, and complete your first math and English courses in your first year. For help, see Transfer Steps and Resource Center at [www.TransferVirginia.org](http://www.TransferVirginia.org).
- Connect with an advisor at your community college and EMU in your first year. College Connect is available in your account at [www.TransferVirginia.org](http://www.TransferVirginia.org).

## WHICH MAJORS WILL BE AVAILABLE TO ME THROUGH THIS GAA?

Acceptance is required into competitive programs in addition to acceptance to EMU. To participate in this admission agreement, please follow all special program application procedures, deadlines, and grade point average requirements.

## IS THIS COLLEGE RIGHT FOR ME?

- **EMU at a glance:** EMU is a smaller private liberal arts university located in Harrisonburg, VA, NCAA Division III.
- **Cost and value:** EMU averages financial aid based on family income. Learn more at <https://emu.edu/financial-aid/prospective/>.
- **Stellar outcomes:** View alumni outcomes and student demographic statistics at <https://emu.edu/about/facts/>.
- **You matter:** When you choose to join the EMU story, you become a part of an inclusive and equitable community of learners who are connected, accepted, valued and respected. EMU will prepare you for a career and develop, mentor, support and challenge you to make the world a better place.
- **Learn more:** [www.TransferVirginia.org](http://www.TransferVirginia.org).

## WHAT RESOURCES ARE AVAILABLE TO HELP ME SELECT A MAJOR?

- Explore EMU's majors and minors: <https://emu.edu/academics/degree-programs>
- Reach out to your EMU admissions counselor: <https://emu.edu/admissions/counselors/>
- Learn more about career pathways: [www.TransferVirginia.org](http://www.TransferVirginia.org)

## OTHER THINGS TO CONSIDER:

- Completing your associate transfer degree after high school satisfies all lower division general education requirements and increases the chance 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 EMU.

## WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

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

EMU evaluates transfer applicants based on satisfactory academic progress criteria. We encourage all students to apply to receive a personalized holistic application review process.

