

Most four-year colleges and universities offer bachelor's degrees varying from "Cybersecurity" to more traditional Computer Science Degrees with a Track or Specialization in Cybersecurity. Many majors require that transfer students have a strong background in programming and calculus, so it is important to read course requirements carefully.

**Find Career Descriptions for Cybersecurity Careers / NATIONAL INITIATIVE FOR CYBERSECURITY CAREERS AND STUDIES** [HTTPS://NICCS.CISA.GOV/CYBERSECURITY-CAREER-RESOURCES/CYBERSECURITY-CAREERS-MAP](https://niccs.cisa.gov/cybersecurity-career-resources/cybersecurity-careers-map)

Montgomery College offers an [\*\*Associate in Applied Science \(AAS\) in Cybersecurity\*\*](#) which prepares students for entry-level positions in cybersecurity; this degree also transfers to 6 schools in its entirety through MC Transfer Agreements.

### **MC Transfer Agreements – MC Cybersecurity AAS Degree accepted in its entirety:**

1. **UMGC University of Maryland Global Campus** – the MC AAS in Cybersecurity transfers to these online UMGCC degrees: • [\*\*BS in Computer Networks and Cybersecurity\*\*](#), • [\*\*BS in Cybersecurity Management and Policy\*\*](#). It may also apply to [\*\*BS in Software Development & Security\*\*](#). All students who complete any associate's degree at Montgomery College receive an automatic [\*\*UMGC Completion Scholarship\*\*](#) which reduces the cost of each UMGCC 3-credit course from \$945 to about \$645 total.
2. [\*\*Capitol Technology University, Laurel MD\*\*](#) [\*\*AAS Cybersecurity to BS Cyber and Information Security\*\*](#)
3. **George Washington University** [\*\*GW's College of Professional Studies\*\*](#) Evening Program in Arlington VA
4. [\*\*Harrisburg University of Science and Technology, PA\*\*](#) [\*\*AAS Cybersecurity to BS Computer and Information Science with a concentration in Cybersecurity\*\*](#)
5. [\*\*Marymount University, Arlington VA\*\*](#) [\*\*AAS Cybersecurity to BS Information Technology with a specialty in Networking and Cybersecurity\*\*](#)
6. **SANS Technology Institute** [\*\*SANS.edu Bachelor of Applied Cybersecurity\*\*](#) – requires AAS + 11 additional credits of General Education. MC contact [Anne.Schleicher@montgomerycollege.edu](mailto:Anne.Schleicher@montgomerycollege.edu)

Many transfer schools, including UM College Park, Towson and UMBC, offer Cybersecurity or Information Assurance as a track, concentration or specialization within a traditional **Computer Science Major** or **Information Systems** or **Information Science** major. Cybersecurity courses are usually taken at the upper-level after transfer. Check math & computer sci. requirements -many require MC's MATH 181 & 182 Calculus I & II and CMSC 140 Intro to Programming & advanced programming courses of CMSC 203, CMSC 204 Computer Science I & II, or completion of a Business degree.

### **Nearby Related Four-Year Bachelor's Degree Programs – Maryland**

- [\*\*Bowie State University\*\*](#) – [\*\*Computer Science BS – Concentration in Cybersecurity\*\*](#)- requires MATH 181 & 182 Calculus I & II and CMSC 140, 203 & 204. Also [\*\*Computer Technology BS Tracks: Network Enterprise Infrastructure, Data Science & Database Administration, Health Technology Cybersecurity, Internet Technologies\*\*](#) – MATH 150 required. **NWIT courses accepted\*?** At this time, only NWIT 264 Network Forensics applies to Bowie majors.
- [\*\*Frostburg State University\*\*](#) - [\*\*Secure Computing and Information Assurance B.S.\*\*](#) Requires MATH 150 Elementary Applied Calculus or MATH 181 Calculus and Computer Science Programming courses, if you take MC's CMSC 203 & 204 Computer Science I and II, you must complete prerequisite courses of MATH 181 & 182 Calculus I & II. **NWIT courses accepted?** No, most are currently listed as either Not Transferable or To Be Determined.
- [\*\*Stevenson University\*\*](#) Baltimore MD: [\*\*B.S. in Cybersecurity and Digital Forensics\*\*](#). **NWIT courses accepted?** Yes, some accepted as equivalents to IS courses required in the BS degree.
- [\*\*Towson University\*\*](#), Towson MD: **Computer Security** track within the [\*\*Computer Science degree\*\*](#). Requires MATH 181 & 182 Calculus I & II and CMSC 140, 203 & 204, and Discrete Structures. Towson's **BS in Information Technology** [www.towson.edu/fcs/department/computerinfosci/undergrad/infotech/](http://www.towson.edu/fcs/department/computerinfosci/undergrad/infotech/) requires MATH 117 Statistics and CMSC 140 Intro to Programming. **NWIT courses accepted?** Yes, as electives only; at this time no NWIT courses apply to the first two-year requirements for Towson's new **Information Technology Bachelor's degree**.

## Nearby Cybersecurity-Related Four-Year Bachelor's Degree Programs – Maryland, continued:

- **University of Baltimore**, Baltimore, MD: **Applied Information Technology degree** – includes an **Information Assurance and Security Track**. Requires MATH 181 Calculus I. **NWIT courses accepted?** Yes, as lower level electives only, at this time, courses do not fulfill major requirements for this degree.
- **University of Maryland, College Park: Cybersecurity specializations**
  - 1) **Within Bachelor of Science in Computer Science** [undergrad.cs.umd.edu/degree-requirements-cs-major](http://undergrad.cs.umd.edu/degree-requirements-cs-major) Requires MATH 181 & 182 Calculus I & II, CMSC 203 & 204 Computer Science I & II. Most students complete the MC AA degree in Computer Science prior to transfer;
  - 2) Also **Information Science BS degree offers a Cybersecurity specialization** - MATH 150 or MATH 165 and MATH 117 required, also CMSC 140 – see MC Transfer Agreement [AA Information Sciences and Systems to BS Information Science](#) **NWIT courses accepted?** No.
- **UMBC**, Baltimore – **Cyber Scholars Program**, open to transfer students: [cybersecurity.umbc.edu/cyberscholars](http://cybersecurity.umbc.edu/cyberscholars)  
**Majors:** UMBC offers an **Information Assurance Track** which can be added to a major of **Computer Science; Computer Engineering; Information Systems** (see [Business course requirements](#)), **See all Cyber Scholars majors:** <https://cisa.umbc.edu/programs/> Most Cyber Scholars majors above require Calculus I & II. For UMBC's Computer Science major, students must also complete 12 credits of Science for Science Majors (must choose 3 courses, two in a sequence and one additional from: BIOL 150 & 151 Principles of Biology or CHEM 131 & 132 Principles of Chemistry or PHYS 161 & 262 General Physics), as well as Computer Science I & II. **NWIT courses accepted?** Not applicable to the majors listed above.  
*\* NWIT Course transferability determined through the MD State Transfer Website <http://ARTSYS.usmd.edu>*

## Other Nearby Programs DC - check transferability of NWIT courses by contacting schools.

- **UDC District of Columbia** **Bachelor of Science in Cybersecurity** Requires CMSC 203 & 204; Discrete Structures, MATH 181 & 182.
- **George Washington University DC - GWU Cybersecurity Scholarships** [www.seas.gwu.edu/cybercorps](http://www.seas.gwu.edu/cybercorps) Apply to [GWU.edu](http://GWU.edu) Main campus daytime majors of **Computer Science, Electrical Engineering, Engineering Management and Systems Engineering, Business Administration, Public Policy, Information Technology**. See website for details.
- **Howard University**, D.C.: **BS in Computer Information Systems, Cybersecurity Concentration** complete MC Business AA, including MATH 150. Or add a **Cybersecurity Certificate** to other majors.

## Virginia:

- **George Mason University**, VA: **Cybersecurity Engineering BS**. Traditional Engineering & Computer Sci. requirements. See P. 1 for MC AAS Cybersecurity Transfer Agreement to GMU BACS.

## West Virginia:

- **Shepherd University: BS in Computer and Information Science w/Cybersecurity and Networking Concentration**, requires MATH 181 & 182, CMSC 203 & 204. MC students may receive a 25% tuition discount by enrolling early in TOPS (Transfer Opportunity Program at Shepherd).
- **American Public University, WV** online **BS in Cybersecurity**  
<https://catalog.apus.edu/undergraduate/academic-programs/bachelors/bachelor-science-cybersecurity/#requirementstext>

## MONTGOMERY COLLEGE ADVISING

- **CYBERSECURITY Program Advising** [MCCyberAdvising@montgomerycollege.edu](mailto:MCCyberAdvising@montgomerycollege.edu)
- **COMPUTER SCIENCE Program Advising** [CS@montgomerycollege.edu](mailto:CS@montgomerycollege.edu)
- **CYBERSECURITY Transfer Planning Advisor** – Transfer Counselor [Anne.Schleicher@montgomerycollege.edu](mailto:Anne.Schleicher@montgomerycollege.edu)