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

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 UMGC degrees: BS in **Cyber Operations; BS in Computer Networks and Cybersecurity,** • **BS in Cybersecurity Management and Policy.** All students who complete any associate's degree at Montgomery College receive an automatic **UMGC Completion Scholarship** which reduces the cost of each UMGC 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 Mason University VA** Cloud Computing Specialization AAS to Cloud Computing Concentration BAS

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

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 – Cybersecurity Focus**- requires MATH 181 & 182 Calculus I & II and CMSC 140, 203 & 204**.** Also **Cyber Operations Engineering BS; 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 Operations** 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** 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 **Information Technology Bachelor's degree**.

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

- **University of Baltimore**, Baltimore, MD: **Cyber Forensics BS**; also **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, NWIT courses do not fulfill major requirements for either degree.

- **University of Maryland, College Park**: **Cybersecurity specializations**
  1) Within Bachelor of Science in Computer Science **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 - **NWIT courses accepted?** No.
  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**
  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** Apply to **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
- **COMPUTER SCIENCE Program Advising** CS@montgomerycollege.edu
- **CYBERSECURITY Transfer Planning Advising** – Contact MC Counseling and Advising