MONTGOMERY COLLEGE

A.A. in Computer Science and Technologies – Information Systems are of concentration

B.S. in Information Science

CREDITS	MONTGOMERY COLLEGE Requirements for Associate's Degree		TRANSFER INSTITUTION EQUIVALENT Requirements for Bachelor's Degree
3	ENGL101 (if needed, or program elective)		Lower-Level Elective
4	MATH150, MATH165, or higher (MATF)		MATH150 = MATH120; MATH165 = MATH115
3	PSYC100 General Psychology (BSSD)**		PSYC100
3	CMSC110 Computer Concepts		Lower-Level Elective
3	Arts Distribution (ARTD)*		
3	ENGL102 or ENGL103 (ENGF)		ENGL101
3	CMSC140 Intro to Programming		Lower-Level Elective
4	Natural Sciences Lab Distribution (NSLD)*		
3	Arts or Humanities Distribution * (GEIR)		
3	Elective † (MATH117 or BSAD210 recommended)		
3	CMSC243 Systems Analysis and Design		Lower-Level Elective
3	Behavioral & Social Sci. Distribution (BSSD)** (non-PSYC)		
3	Humanities Distribution (HUMD)*		
3	Elective † (CMSC135 recommended or CMSC 206)		
3	Elective † * (CMSC 246 recommended)		
3	Natural Sciences Distribution (NSND)*		
3	COMM108 or COMM112 (GEIR)		COMM107
3	Elective † (CMSC201 recommended)		
4	Elective † *		
60	TOTAL CREDITS TRANSFERRED		

REMAINING UMD DEGREE REQUIREMENTS - RECOMMENDED SEQUENCE UPON TRANSFER WITH ASSOCIATE'S DEGREE	
INST201/INST301 Intro to Information Science	3
INST311 Information Organization	3
INST314 Statistics for Information Science	3
INST326 Object-Oriented Programming for Information Science	3
INST327 Database Design and Modeling	3
INST335 Teams and Organizations	3
INST346 Technologies, Infrastructure & Architecture	3
INST352 Information User Needs & Assessment	3
INST362 User-Centered Design	3
INST490 Integrative Capstone	3
Upper-Level Major Electives	15
General Electives	0-12^
Professional Writing	3
TOTAL CREDITS REMAINING AT UNIVERSITY OF MARYLAND	60

† Program Electives: CMSC, DATA, NWIT, CMAP; TECH 190, 200-level TECH courses; ACCT 221, ACCT 222, BSAD 101, ECON 201, ECON 202; MATH 165, MATH 150 or MATH 181, MATH 182, MATH 117 or BSAD 210; MGMT 101, MGMT 211, PSYC 100 (if not taken to satisfy BSSD requirement). Four credits can be used to satisfy program electives.

* There must be at least 12 credits total at the 200-level to earn the A.A. degree

** BSSD courses must be from different subjects

The UMCP B.S. in Information Science degree program has four prerequisites that are expected to be completed prior to transferring. These include:
- PreCalculus or better - MATH150, MATH165, or higher
- Introductory Statistics - MATH117, BSAD210, or equivalent
- Introductory Psychology - PSYC100
- Introductory Programming - CMSC140

CMSC 206 - Introduction to Python is also recommended

UMD Contact: usginfosci@umd.edu

^The number of electives credits students are required to complete depends upon how many transfer credits were accepted by UMD.

The UMCP B.S. in Information Science degree program requires students to complete 30 credits of required core courses and 15 credits of upper-level major electives, which include INST300-level and INST400-level courses.

The number of general electives a student takes depends on the transferable credits accepted. The number of transferable credits that can be applied to a degree at UMD varies by the source of those credits:
- **2-year institutions**: A maximum of 70 credits can be applied toward a degree.
- **4-year institutions or a combination of 2-year and 4-year institutions**: A maximum of 90 credits can be applied toward a degree.

As of Fall 2024, UMD does NOT grant credits for the following Montgomery College elective courses (*please note that this list is subject to change; check with the Information Science program representative for details*):
- **CMSC**: 220, 234, 237, 253, 269
- **NWIT**: UMD does not accept NWIT courses.
- **CMAP**: UMD does not accept CMAP courses, except for CMAP120.
- **TECH**: UMD does not accept TECH courses, except for TECH276.
- For more information, please check the UMD Transfer Database: UMD Transfer Database.