

**HARRISBURG AREA COMMUNITY COLLEGE (HACC) & MILLERSVILLE UNIVERSITY (MU)**

**Transfer Advising Guide For Mathematics/Computer Science AS #4030 at HACC  
TO BS Computer Science at MILLERSVILLE UNIVERSITY**

<b>HACC COURSE</b>	<b>CRS.</b>	<b>MILLERSVILLE UNIV. EQUIV. COURSE / AREA REQUIREMENT SATISFIED</b>	<b>CRS.</b>
<b>General Education Requirements</b>			
ENGL 101 English Composition I	3	ENGL 110 (FLL)	3
ENGL 106 Business Writing	3	ENGL 16X (G1)	3
COMM 101 Effective Speaking (preferred)	3	COMM 100 (FLL)	3
Hum. & Arts Elective: see suggested list on website	3	G1	3
Soc. & Beh. Sci. Elective: see suggested list on website	3	G3	3
Hum. & Arts Elective or Soc. & Beh. Elective: see suggested list on website	3	G1 or G3	3
First-Year Seminar Elective: FS 100, 101, 103 (3 cred – suggested) or 102 (1 cred)	1-3	UNIV 1XX (FYS C&E)	1-3
PE/Wellness Course PE 201 or HLTH 101 (3cr.)	3	WELL 175 (C&E)	3
<b>Major Requirements</b>			
CIS 110 Intro to Computer Systems or CNT 120 Network Communications Technology I	3	CSCI 1X5 or CSCI 1X2 (electives)	3
CPS 121 Computer Science I: Intro to Computer Programming JAVA	3	CSCI 161 (major requirement)	3
CPS 161 Computer Science II: Algorithmic Design	3	CSCI 1X1 (elective)	3
CPS 162 Computer Science III: Data Structures	3	CSCI 362 (major requirement)	3
CPS 230 Object-Oriented Programming	3	CSCI 162 (major requirement)	3
MATH 121 Calculus I	4	MATH 161 (G2, required related for major)	4
MATH 122 Calculus II	4	MATH 211 (G2, required related for major)	4
MATH 125 Discrete Mathematics	3	CSCI 140 (major requirement)	3
MATH 202 Introduction to Statistics	4	MATH 130 (required related, exception needed)	4
MATH 220 Linear Algebra	4	MATH 322 (elective)	4
<b>Select one sequenced pair of Sciences:</b>			
BIOL 101 + BIOL 102 General Biology I & II	8	BIOL 101 + BIOL 211 (G2, required related for major)	8
PHYS 201 + PHYS 202 General Physics I & II	8	PHYS 131 + PHYS 132 (G2, required related for major)	8
PHYS 211 + PHYS 212 Physics for Eng/Sci I & II	8	PHYS 231 + PHYS 232 (G2, required related for major)	8
CHEM 101 + CHEM 102 Gen Inorganic Chem I & II	8	CHEM 111 + CHEM 112 (G2, required related for major)	8
<b>PROGRAM TOTAL CREDITS</b>			
	<b>62</b>	<b>TRANSFERABLE CREDITS</b>	<b>62</b>

**Transfer Elective Suggestions (if any)/Advising Notes:**

- Requirements do not have any credit amounts for transfer electives. But if so, see list of Humanities & Arts, or Social & Behavioral Sciences electives for additional General Education options (refer to Overview of MU General Education on reverse side of this sheet + list of suggestions on website)
- HACC CPS courses and MU course equivalent credit amounts differ. Note, may need additional CSCI major electives (taken later at MU) to meet total required major credit amount (52.0 credits minimum, see MU curriculum sheet for more information).

**HARRISBURG AREA COMMUNITY COLLEGE & MILLERSVILLE UNIVERSITY**  
**TRANSFER GUIDE**

**Overview of Millersville University's General Education Program**

The General Education Program at Millersville University is approximately 48 (forty-eight) of the credit hours required for graduation.

Foundations for Lifelong Learning (FLL) 12 credits

- This specific set of courses is required to be completed by all students
- ENGL 110, COMM 100, College Level Math, Advanced Writing ENGL 31X

Connections and Explorations (C&E) 9 credits

- UNIV 103 First-Year Seminar OR Elective (1 course – 3 credits)
- Perspectives course (1 course – 3 credits)
- Wellness/Health Education WELL 175 or WELL 240 (1 course – 3 credits)

Critical Thinking Across the Liberal Arts (G-blocks)

Note: Three of the courses in the G-blocks must be 200+ Level or higher (200+)

G1 Humanities and Fine Arts (3 courses – 9 credits)

G2 Science and Mathematics (3 courses – 9 credits)

G3 Social Sciences (3 courses – 9 credits)

**NOTES (IMPORTANT, PLEASE READ)**

1. Additional transfer credits may be taken at HACC for transfer to Millersville. Please speak with your advisor and/or the MU transfer advisor for advisement on additional coursework.
2. 0-Level courses **do not** count toward graduation requirements and **will not transfer**.
3. Courses for Millersville University have been selected by joint agreement of HACC and MU. However, curricula are subject to change. This guide should be used with the assistance of a HACC Counselor/Advisor. Following the guide does not guarantee transfer of credit or admission into Millersville University. Please speak with your advisor and/or the MU transfer admissions counselor if you have any questions.
4. Minimum GPA for students with 60 credits or more is 2.0.
5. **Recommended** Application Dates: MU has rolling admission; however, students are advised to apply by March for a Fall start at MU and by October for a Spring start at MU. **This is to allow an ideal timeline.**

Based on AS Advising Sheet #4030 (4/2020)