Information Technology Specialist



Area of Concentration within the A.A.S. in STEM Technology Frederick Community College Pathway

Catalog Year 2020-2021

Guided Pathway to Success (GPS)

Suggested schedules map your path to degree completion.

Full-time student: Follow the green semester blocks in order.

Part-time student: Follow the blue course sequence at your own pace.

Students should meet with an advisor each semester to carefully select and sequence courses based on their specific academic goals and interests. Visit Jefferson Hall or call 301.846.2471 for advising.

Students who take fewer than
15 credits each semester or who
require developmental English or
Math coursework will need additional
semesters to complete their degrees.
Summer and January term classes may
help students to make faster progress.

General Education CORE courses can often be taken in any semester. One course must be designated as a Cultural Competence course. A minimum of nine credits must be taken at the 200 level. Refer to the college catalog for course details and the list of General Education and Cultural Competence classes. http://www.frederick.edu/class-schedules.aspx#catalog

Students are strongly recommended to consult an FCC advisor to select elective courses. Students planning to transfer may also reference ARTSYS, the Maryland Articulation System, www.artsys.usmd.edu.



Take this course within the first 24 credits.



Milestone course – take within recommend credit range to stay on track for completion.



This course is offered in the fall semester only.



This course is offered in the spring semester only.

	Recommended	First Semester		
1	Gen Ed Core	ENGL 101 - English Composition	(1)	3 credits
2	Gen Ed Core	Mathematics Elective (Gen Ed course list) (MATH 120 - Statistics recommended)	()	3 credits
3	Concentration	CMIS 120 - PC Operating Systems		3 credits
4	Concentration	CMIS 121 - PC Repair & Diagnostics		3 credits
5	Elective	Select from elective list*		2 credits
2	Recommended	Second Semester		
6	Gen Ed Core	Arts Elective (Gen Ed course list)		3 credits
7	Gen Ed Core	Humanities Elective (Gen Ed course list)		3 credits
8	Concentration	CMIS 106 - Object Design and Programming		3 credits
9	Elective	Select from elective list*		3 credits
10	Elective	Select from elective list*		3 credits
	Recommended	Third Semester		
11	Gen Ed Core	Biological & Physical Sciences Elective (Gen Ed course list)		3/4 credits
11 12	Gen Ed Core			3/4 credits 3 credits
		Biological & Physical Sciences Elective (Gen Ed course list)		·
12	Gen Ed Core	Biological & Physical Sciences Elective (Gen Ed course list) Communications Elective (Gen Ed course list) CMIS 179 - Cybersecurity Fundamentals		3 credits
12	Gen Ed Core Concentration	Biological & Physical Sciences Elective (Gen Ed course list) Communications Elective (Gen Ed course list) CMIS 179 - Cybersecurity Fundamentals or CMIS 218 - Information Security & Assurance		3 credits
12 13 14	Gen Ed Core Concentration Concentration Elective	Biological & Physical Sciences Elective (Gen Ed course list) Communications Elective (Gen Ed course list) CMIS 179 - Cybersecurity Fundamentals or CMIS 218 - Information Security & Assurance CMIS 203 - Systems Analysis & Design		3 credits 3 credits 3 credits
12 13 14	Gen Ed Core Concentration Concentration Elective	Biological & Physical Sciences Elective (Gen Ed course list) Communications Elective (Gen Ed course list) CMIS 179 - Cybersecurity Fundamentals or CMIS 218 - Information Security & Assurance CMIS 203 - Systems Analysis & Design Select from elective list*		3 credits 3 credits 3 credits
12 13 14 15	Gen Ed Core Concentration Concentration Elective Recommended	Biological & Physical Sciences Elective (Gen Ed course list) Communications Elective (Gen Ed course list) CMIS 179 - Cybersecurity Fundamentals or CMIS 218 - Information Security & Assurance CMIS 203 - Systems Analysis & Design Select from elective list* Fourth Semester Social & Behavioral Sciences Elective (Gen Ed course list)		3 credits 3 credits 3 credits 3 credits
12 13 14 15 4	Gen Ed Core Concentration Concentration Elective Recommended Gen Ed Core	Biological & Physical Sciences Elective (Gen Ed course list) Communications Elective (Gen Ed course list) CMIS 179 - Cybersecurity Fundamentals or CMIS 218 - Information Security & Assurance CMIS 203 - Systems Analysis & Design Select from elective list* Fourth Semester Social & Behavioral Sciences Elective (Gen Ed course list) (HUMS 102 - Human Relations recommended)		3 credits 3 credits 3 credits 3 credits
12 13 14 15 4 16	Gen Ed Core Concentration Concentration Elective Recommended Gen Ed Core PHED/HLTH/NUTR	Biological & Physical Sciences Elective (Gen Ed course list) Communications Elective (Gen Ed course list) CMIS 179 - Cybersecurity Fundamentals or CMIS 218 - Information Security & Assurance CMIS 203 - Systems Analysis & Design Select from elective list* Fourth Semester Social & Behavioral Sciences Elective (Gen Ed course list) (HUMS 102 - Human Relations recommended) Physical Education, Health, or Nutrition Requirement		3 credits 3 credits 3 credits 3 credits 1/3 credits
12 13 14 15 4 16 17 18	Gen Ed Core Concentration Concentration Elective Recommended Gen Ed Core PHED/HLTH/NUTR Concentration	Biological & Physical Sciences Elective (Gen Ed course list) Communications Elective (Gen Ed course list) CMIS 179 - Cybersecurity Fundamentals or CMIS 218 - Information Security & Assurance CMIS 203 - Systems Analysis & Design Select from elective list* Fourth Semester Social & Behavioral Sciences Elective (Gen Ed course list) (HUMS 102 - Human Relations recommended) Physical Education, Health, or Nutrition Requirement BMGT 281 - Global Awareness in the Work Environment CMIS 204 - Computer & Information Sciences Project		3 credits 3 credits 3 credits 3 credits 1/3 credits 3 credits

*Electives: BIOT 102, BIOT 103, BIOT 110, Any CMIS or BMGT course, GRPH 111, GRPH 112, GRPH 114, FILM 144, FILM 244, FILM 254, ENGL 219, EMGT 101, MEDA 109, MEDA 112, MEDA 220, MUSC 130, MUSC 135, MUSC 235