Program Pathway – *B.A.S Information Technology*

This map is a term-by-term sample course schedule. Highlighted courses have been identified as "key courses." It is strongly advised that students make every effort to pass these courses on the first attempt with a "C" or higher in order to be successful in this program. The milestones listed below each year are designed to keep you on course to graduate in four years. Missing milestones could prevent you from being eligible for a particular program or could result in a delay in graduation. The Program Pathway serves as a general guideline to help you build a full schedule each term.

First Year – Fall			
Course Number	**Course Title**	**Credits**	**Pre-requisites**
ENGL 1101 *	English Composition I	3	Minimum SAT/ACT/Accuplacer scores
MATH 1111	College Algebra	3	Minimum SAT/ACT/Accuplacer scores
CAPS 1140	Microcomputer Operating Systems	3	
CAPS 1145	Intro to Networks	3	
POLS 1101	American Government	3	ENGL 0999 unless exempt
PRSP 1050*	Perspectives in STEM	1	
	Semester Total	**16**	

First Year – Spring			
Course Number	**Course Title**	**Credits**	**Pre-requisites**
ENGL 1102 *	English Composition II	3	ENGL 1101 ('C' or higher)
CAPS 1270	Switching, Routing, & Wireless Essentials	3	CAPS 1145
BUSA 2201	Fundamentals of Computer Applications	3	MATH 1101 or higher
CAPS 1275 (S)(guided elective)	Computer Systems/Networking Security	3	CAPS 1140
CMPS 1301 (guided elective)	Principles of Programming I	3	MATH 1111
	Semester Total	**15**	

First Year Milestones
• Complete ENGL 1102, MATH 1111, CAPS 1140, and CAPS 1270
• Meet with your advisor
• Explore career options
• Meet with Career and Professional Development as needed

Second Year – Fall

Course Number	Course Title	Credits	Pre-requisites
CAPS 1152 (F)	Linux	3	CAPS 1140
CAPS 1240 (F) (guided elective)	Advanced Topics in CAPS	3	CAPS 1270
ITEC 1390 (F) (guided elective)	Introduction to Cybersecurity	3	MATH 1111
English Elective	Any ENGL 2xxx	3	Co-req ENGL 1102
Lab science	Lab Science Sequence I	4	varies
	Semester Total	16	

Second Year – Spring

Course Number	Course Title	Credits	Pre-requisites
CAPS 1276	Enterprise Networking, Security, and Automation	3	CAPS 1270
ITEC 1400 (guided elective)	IoT: Connecting Things	3	MATH 1111
ITEC 3251* (S)	Linux II	3	CAPS 1152
MATH 1401	Introduction to Statistics	3	MATH 1101 or higher
Lab science	Lab Science Sequence II	4	varies
	Semester Total	16	

Second Year Milestones
- Meet with your advisor
- Continue exploring career options
- Consider job shadowing
- Meet with Career and Professional Development as needed

Third Year – Fall

Course Number	Course Title	Credits	Pre-requisites
MGIS 3351 *	Principles of Management Info Systems	3	BUSA 2201, COMM 1110, ENGL 1102 ('C' or higher)
MGIS 3352 * (F)	Management Applications Programming I	3	BUSA 2201 ('C' or higher)
ELCT 1100 (F)(guided elective)	PC Maintenance and T-shooting	3	CMPS 1301 or BUSA 2201
Upper-level elective*	Subject options: ITEC, MGIS, MNGT, COMM	3	varies
HIST 211X	United States History	3	ENGL 0999 unless exempt
	Semester Total	15	

Third Year – Spring			
Course Number	**Course Title**	**Credits**	**Pre-requisites**
MGIS 3353 *(S)	Management Applications Programming II	3	BUSA 2201, MGIS 3352 ('C' or higher)
ELCT 2120 (S) (guided elective)	A+ Certification Review	3	ELCT 1100
Upper-level elective*	Subject options: ITEC, MGIS, MNGT, COMM	3	varies
Area E elective	Subject options: ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, SOCI	3	varies
COMM 1110	Fundamentals of Speech	3	Coreq ENGL 0999 unless exempt
	Semester Total	**15**	

Third Year Milestones

- Meet with your advisor
- Have completed resume and submit on Handshake
- Attend a Career Fair
- Explore internship opportunities
- Meet with Career and Professional Development as needed

Fourth Year – Fall			
Course Number	**Course Title**	**Credits**	**Pre-requisites**
MGIS 3356 *(F)	Database Management Systems	3	MGIS 3351 ('C' or higher)
Upper-level elective*	Subject options: ITEC, MGIS, MNGT, COMM	3	varies
Upper-level elective*	Subject options: ITEC, MGIS, MNGT, COMM	3	varies
Humanities/Fine Arts elective	Subject options: ENGL, ARTS, HUMN, MUSC, THEA	3	varies
ITEC 3390 *(F)	Management of IS Security	3	MGIS 3351 ('C' or higher)
	Semester Total	**15**	

Fourth Year – Spring			
Course Number	**Course Title**	**Credits**	**Pre-requisites**
Area E elective	Subject options: ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, SOCI	3	varies
MGIS 4701 *(S)	Systems Analysis and Design	3	MGIS 3352, 3356 ('C' or higher)
MGIS 4360 (S)	Databases: Big Data & Analyt.	3	MGIS 3356 ('C' or higher)
Upper-level elective*	Subject options: ITEC, MGIS, MNGT, COMM	3	varies
	Semester Total	**12**	

Fourth Year Milestones
• Meet with your faculty advisor
• Check and polish resume with Career and Professional Development
• Submit Graduation Application to Office of Enrollment Services the semester before you intend to graduate
• Apply to Graduate School and/or jobs

Notes:
* Denotes grade of 'C' or higher required
Courses with (F) designates fall only courses, (S) designates spring only

The Program Pathway is not a contract, neither expressed or implied, between the student and Dalton State College, but represents a flexible program of the current catalog's curriculum which may be altered at any time to carry out the academic objectives of the College.