

Guided Pathway - A.S. General Studies: Computer Science Pathway

This degree is designed for transfer toward a Bachelor of Science in Computer Science.

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 two 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 1113	Precalculus	3	MATH 1111 or Minimum SAT/ACT/Accuplacer scores
CMPS 1301	Principles of Programming I	3	MATH 1111 or Minimum SAT/ACT/Accuplacer scores
HIST 211X	United States History	3	ENGL 0999 unless exempt
Social Sciences Elective	Subject options: ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, SOCI	3	varies
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)
MATH 2253	Calculus & Analytical Geometry I	4	MATH 1113
CMPS 1302	Principles of Programming II	3	CMPS 1301
Lab science	Lab Science Sequence I (CHEM, or PHYS)	4	varies
Semester Total		14	

First Year Milestones
<ul style="list-style-type: none"> • Complete ENGL 1102, MATH 1113, and CMPS 1302 • Meet with your advisor • Explore career options and education requirements • Consider job shadowing • Research Bachelor's-level computer science programs

Second Year – Fall			
Course Number	Course Title	Credits	Pre-requisites
English Elective	English Literature (ENGL 2xxx)	3	ENGL 1102 ('C' or higher)
MATH 2254	Calculus & Analytical Geometry II	4	MATH 2253
CMPS 2720 (F)	Data Structures	3	CMPS 1301
Major Elective	Options: MATH 1401, 2255, or 2256	3	Varies
Lab science	Lab Science Sequence II (CHEM, or PHYS)	4	Lab Science Sequence I
Semester Total		17	

Second Year – Spring			
Course Number	Course Title	Credits	Pre-requisites
Major Elective	Options: CMPS 2313 (S); MATH 1401, 2255, or 2256	3	Varies
COMM 1110	Fundamentals of Speech	3	Coreq ENGL 0999 unless exempt
Humanities Elective	Subject options: ENGL, ARTS, HUMN, MUSC, THEA	3	varies
Social Sciences Elective	Subject options: ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, SOCI	3	varies
POLS 1101	American Government	3	ENGL 0999 unless exempt
Semester Total		15	

Second Year Milestones
<ul style="list-style-type: none"> • Meet with your advisor • Develop a Resume and submit on Handshake • Attend a Career Fair • Submit Graduation Application to Office of Enrollment Services the semester before you intend to graduate • Apply to a Bachelor's-level computer science program • Meet with Career and Professional Development as needed

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.