DALTON STATE
STUDENT SUCCESS & ADVISING

Program Pathway – *B.S. Mathematics: Secondary Education Certification*

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 1113	Pre-calculus	3	MATH 1111 or Minimum SAT/ACT/Accuplacer scores
AREA D lab science	Lab Science Sequence I (BIOL, CHEM, or PHYS)	4	varies
POLS 1101	American Government	3	ENGL 0999 unless exempt
PRSP 1010	Perspectives	1	
PSYC 1101 *	Introduction to Psychology	3	ENGL 0999 unless exempt
	Semester Total	**17**	

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
AREA D lab science	Lab Science Sequence II (BIOL, CHEM, or PHYS)	4	Lab Science Sequence I
CMPS 1301	Principals of Programming I	3	MATH 1111
COMM 1110 *	Fundamentals of Speech	3	
	Semester Total	**17**	

First Year Milestones

- Complete ENGL 1102, Math 1113, CMPS 1301, COMM 1110, and PSYC 1101
- Meet with your advisor
- Complete School of Education (SOE) requirements for EDUC 2110, 2120, and 2130
- Work/volunteer in capacities that provide experience with middle and high school aged students

Notes:
* denotes grade of 'C' or higher required

DALTON STATE
STUDENT SUCCESS & ADVISING

Second Year – Fall			
Course Number	**Course Title**	**Credits**	**Pre-requisites**
MATH 2254	Calculus & Analytical Geometry II	4	MATH 2253
MATH 2256	Introduction to Linear Algebra	3	MATH 2253; **Co-requisite:** MATH 2254
ENGL 2XXX	Area C Literature Requirement	3	ENGL 1102 ('C' or higher)
AREA C elective	Subject options: ENGL, ARTS, HUMN, MUSC, THEA	3	varies
EDUC 2110 *	Investigating Critical/Contemporary Issues	3	Area A Coursework, PSYC 1101, COMM 1110 ('C' or higher), SOE paperwork (See advisor)
	Semester Total	**16**	

Second Year – Spring			
Course Number	**Course Title**	**Credits**	**Pre-requisites**
MATH 2255	Calculus & Analytical Geometry III	4	MATH 2254
MATH 2403	Differential Equations	4	MATH 2254; **Co-requisite:** MATH 2256
MATH 3101* (S)	Introduction to Advanced Math	3	MATH 2254
EDUC 2120 *	Exploring Socio-cultural Perspectives	3	ENGL 1101 ('C' or higher), SOE paperwork
EDUC 2130 *	Exploring Learning/Teaching	3	AREA A courses, PSYC 1101, COMM 1110 (all 'C' or higher), SOE paperwork
	Semester Total	**17**	

Second Year Milestones

- Complete EDUC 2110, 2120, 2130, and MATH 3101
- Complete 8 credit hours of math courses within the curriculum (MATH 2253, 2254, 2255)
- Have a cumulative GPA 2.75
- Pass the GACE program admissions exams I, II, III, or show evidence of exemption
- Meet with your advisor
- Attend a Secondary Orientation
- Apply to the Secondary Education Program – fall entrance only – Application due by March 30th

Notes:
* denotes grade of 'C' or higher required

DALTON STATE
STUDENT SUCCESS & ADVISING

Third Year – Fall	Professional Education Semester (PES) I		
Course Number	**Course Title**	**Credits**	**Pre-requisites**
MATH 4101*(F)	Abstract Algebra I	3	MATH 3101 & MATH 2255
MATH 4001 *(F)	History of Mathematics	3	MATH 2254
MATH 4701 *(F)	Probability and Stats I	3	MATH 2255
EDUC 3272 *(F)	Class Management Secondary Ed. Field Experience I	2	Acceptance to School of Education, EDUC 2110, 2120, 2130, MATH 2253, 2254, (all 'C' or higher)
EDUC 3902 *(F)	Curriculum Assessment	3	Acceptance to School of Education, EDUC 2110, 2120, 2130, MATH 2253, 2254, (all 'C' or higher)
	Semester Total	**14**	

Third Year – Spring	PES II		
Course Number	**Course Title**	**Credits**	**Pre-requisites**
MATH 4201 *(S)	Number Theory	3	MATH 3101
MATH Elective*(S)	Options: MATH 4102, 4602, or 4702	3	MATH 4101, 4601, or 4701
HIST 2111 or 2112	United States History	3	ENGL 0999 unless exempt
EDUC 3273 *(S)	Class Management Secondary Ed. Field Experience II	2	EDUC 3902, EDUC 3272 ('C' or higher)
EDUC 4901 *(S)	Methods/Strategies Teach Secondary Students	3	EDUC 3902, EDUC 3272 ('C' or higher)
AREA E elective	Subject options: ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, SOCI	3	varies
	Semester Total	**17**	

Third Year Milestones
• Meet with your faculty advisor • Prepare for GACE Content Exam • Speak with Field Placement Director about site placements • Have completed resume or CV on file • Maintain at least 2.7 GPA • Attend a Career Fair • Consider becoming a Peer Educator or joining the Math Club

Notes:
* denotes grade of 'C' or higher required

Fourth Year – Fall	PES III		
Course Number	**Course Title**	**Credits**	**Pre-requisites**
MATH 3201*(F)	Geometry	3	MATH 3101
MATH 4601 *(F)	Real Analysis I	4	MATH 2255 and MATH 3101
MATH 4301*(F)	Graph Theory	3	MATH 3101
PHED	Physical activity elective	1	
EDUC 3120*(F)	Teaching Diverse Learners	3	EDUC 3273, EDUC 4901 ('C' or higher)
EDUC 3274*(F)	Class Management Secondary Ed. Field Experience III	2	EDUC 3273, EDUC 4901 ('C' or higher)
	Semester Total	**16**	

Fourth Year – Spring	PES IV		
Course Number	**Course Title**	**Credits**	**Pre-requisites**
READ 3456 *(S)	Reading Across Curriculum	3	EDUC 3120, EDUC 3274 ('C' or higher), 24 credits of MATH courses ('C' or higher)
EDUC 4951 *(S)	Internship in Secondary School Mathematics	8	EDUC 3120, EDUC 3274 ('C' or higher), 24 credits of MATH courses ('C' or higher)
EDUC 4953 *(S)	Teaching Internship Seminar	1	EDUC 3120, EDUC 3274 ('C' or higher), 24 credits of MATH courses ('C' or higher)
	Semester Total	**12**	

Fourth Year Milestones
• Complete 30 credit hours of Math within the curriculum before being allowed to enter PES IV • Submit Graduation Application to Office of Enrollment Services the semester before you intend to graduate • Meet with your faculty advisor • Speak with Field Placement Director about site placements • Complete GACE content exam • Polish resume or CV with Career Services • Apply for jobs

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.

Notes:
* denotes grade of 'C' or higher required