

# Mathematics Education

Associate of Arts in Teaching

Frederick Community College Pathway

## 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. 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>



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.

## 1 Recommended First Semester

1	Gen Ed Core	ENGL 101 - English Composition		3 credits
2	Gen Ed Core	MATH 185 - Calculus I (Prerequisite MATH 165)		4 credits
3	Departmental Requirement	EDUC 110 - Schools & Society		3 credits
4	Gen Ed Core	PSYC 101 - General Psychology		3 credits
5	Gen Ed Core	Wellness Elective (Gen Ed course list)		3 credits

## 2 Recommended Second Semester

6	Departmental Requirement	MATH 195 - Calculus II		4 credits
7	Departmental Requirement	EDUC 230 - Foundations of Special Education		3 credits
8	Departmental Requirement	PSYC 204 - Psychology of Adolescence		4 credits
9	Gen Ed Core	Communications Elective (Gen Ed course list)		3 credits
10	Departmental Requirements	Elective**		3 credits

Ensure that MSDE Testing Requirements are met: Praxis Core for Educators, ACT, SAT or GRE\*

## 3 Recommended Third Semester

11	Gen Ed Core	Arts Elective (Gen Ed course list)		3 credits
12	Departmental Requirement	MATH 265 - Linear Algebra		4 credits
13	Departmental Requirement	EDUC 220 - Educational Psychology		3 credits
14	Departmental Requirement	PHYS 151 - General Physics I**		4 credits

## 4 Recommended Fourth Semester

15	Departmental Requirement	PHYS 252 - General Physics II		4 credits
16	Department Requirement	MATH 285 - Calculus III		4 credits
17	Departmental Requirement	Elective**		3 credits
18	Departmental Requirement	Humanities Elective (Gen Ed course list)		3 credits
19	Departmental Requirement	Computer Literacy Elective (Gen Ed course list)		3 credits

\*\*Recommend MATH 165 or MATH 145 in the first semester if needed, and PHYS 101 if there has been no previous work in Physics.

\*The A.A.T. degree is designed to meet state requirements for the first two years of teacher education. Students must achieve a minimum of 2.75 cumulative GPA and earn a "C" or better in all courses used to satisfy the A.A.T. requirements. Students must also provide the Registrar's Office with qualifying scores on one of the state approved basic skills tests for future teachers. Students are strongly encouraged to consult with an academic advisor at their transfer institution as early as possible and should be aware that some colleges and universities may require higher GPA's and/or additional test.