

# 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 (301-846-2625 TDD) 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](http://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.

## 1 Recommended First Semester

1	Gen Ed CORE	EN 101 English Composition		3 credits
2	Gen Ed CORE	MA 210 Calculus I (Prerequisite MA 111)*		4 credits
3	Departmental Requirements	ED 102 Schools and Society		3 credits
4	Gen Ed CORE	PS 101 General Psychology		3 credits
5	Gen Ed CORE	Wellness Gen Ed		3 credits

## 2 Recommended Second Semester

6	Departmental Requirements	MA 211 Calculus II		4 credits
7	Departmental Requirements	ED 203 Foundations of Special Education		3 credits
8	Departmental Requirements	PS 204 Psychology of Adolescence		3 credits
9	Gen Ed CORE	Communications Gen Ed		3 credits
10	Departmental Requirements	Elective**		4 credits

MSDE Basic Skills Testing Requirement: PRAXIS Core, ACT, SAT, or GRE\*\*\*

## 3 Recommended Third Semester

11	Gen Ed CORE	Arts Gen Ed		3 credits
12	Departmental Requirements	MA 218 Linear Algebra		3 credits
13	Departmental Requirements	ED 202 Educational Psychology		3 credits
14	Departmental Requirements	PY 203 Introductory Physics I**		4 credits

## 4 Recommended Fourth Semester

15	Departmental Requirements	PY 204 Introductory Physics II		4 credits
16	Departmental Requirements	MA 212 Calculus III		4 credits
17	Departmental Requirements	Elective**		3/4 credits
18	Gen Ed CORE	Humanities Gen Ed		3 credits
19	Departmental Requirements	Computer Literacy Gen Ed		3 credits

\*Students who have not taken MA 111 Precalculus should take it as an elective before starting the Calculus sequence.

\*\*Recommended to include MA 111 or MA 130 if needed, and PY 101 if there has been no previous course work in Physics

\*\*\*The AAT 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 AAT 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 GPAs and/or additional tests.