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/classschedules.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 | \bigcirc | 3 credits | | | |
| 2 | Gen Ed Core | MATH 185 - Calculus I (Prerequisite MATH 165) | U | 4 credits | | | |
| 3 | Departmental Requirement | EDUC 110 - Schools & Society | \checkmark | 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 | \checkmark | 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 | 纵 | 4 credits | | | |
| 13 | Departmental Requirement | EDUC 220 - Educational Psychology | \checkmark | 3 credits | | | |
| 14 | Departmental Requirement | PHYS 151 - General Physics I** | | 4 credits | | | |
| | 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 | | | | | | | |

**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" of 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.