

FORT SCOTT COMMUNITY COLLEGE
Department of Mathematics

4-Semester Plan for students scoring on the math portion only of the ACT: 24 or higher

Semester 1:	Credit Hours
Calculus I*	5 _____
Physical or Biological Science	5 _____
ENG-101	3 _____
COM-Intro to Computers	3 _____
Lifetime Fitness	1 _____
Semester 2:	
Calculus II**	5 _____
Physical or Biological Science	5 _____
Public Speaking	3 _____
ENG-102	3 _____
Semester 3:	
Physics I* (calculus based)	5 _____
Social or Behavioral Science	3 _____
Social or Behavioral Science	3 _____
Humanity	3 _____
Cultural Studies	3 _____
Semester 4:	
Physics II** (calculus based)	5 _____
Social or Behavioral Science	3 _____
Humanity	3 _____
Humanity	3 _____

Total: 64 Credit Hours (see note in yellow below)

- * Offered in the fall semester only
- ** Offered in the spring semester only

Notes:

Some of the math and science courses will be optional depending on the student's area of interest. A.S. degree requires at least 3 hours in college algebra or higher and 10 hours in physical or biological science. Overall the A.S. degree requires 60 transferable credit hours. Basic Calculus is not for math/science/engineering majors. Trigonometry (high school or college) is a prerequisite for Calculus I.

4-Semester Plan for students scoring on the math portion only of the ACT: 21 – 23

Semester 1:	Credit Hours
College Algebra or Basic Calculus*	3 _____
Social or Behavioral Science	3 _____
ENG-101	3 _____
COM-Intro to Computers	3 _____
Cultural Studies	3 _____
Lifetime Fitness	1 _____
Semester 2:	
Trigonometry**	3 _____
Physical or Biological Science	5 _____
Social or Behavioral Science	3 _____
Public Speaking	3 _____
ENG-102	3 _____
Semester 3:	
Calculus I*	5 _____
Physics I*	5 _____
Social or Behavioral Science	3 _____
Humanity	3 _____
Semester 4:	
Calculus II**	5 _____
Physics II**	5 _____
Humanity	3 _____
Humanity	3 _____

Total: 65 Credit Hours (see note in yellow below)

* Offered in the fall semester only

** Offered in the spring semester only

Notes:

Some of the math and science courses will be optional depending on the student's area of interest. A.S. degree requires at least 3 hours in college algebra or higher and 10 hours in physical or biological science. Overall the A.S. degree requires 60 transferable credit hours.

Basic Calculus is not for math/science/engineering majors.

Trigonometry (high school or college) is a prerequisite for Calculus I.

Counseling will help determine the best 4-semester plan based on COMPASS scores. Below are the recommendations for the math curriculum based on COMPASS scores.

COMPASS Score: 0-21 Pre-Algebra

- Semester 1: Math Skills
- Semester 2: Elementary Algebra
- Semester 3: Intermediate Algebra OR Intermediate Algebra with Review
- Semester 4: College Algebra

COMPASS Score: 22-50 Pre-Algebra or 0-19 Algebra

- Semester 1: Elementary Algebra
- Semester 2: Intermediate Algebra OR Intermediate Algebra with Review
- Semester 3: College Algebra
- Semester 4: Trigonometry** or Elementary Statistics**

COMPASS Score: 51-100 Pre-Algebra or 20-30 Algebra

- Semester 1: Intermediate Algebra with Review
- Semester 2: College Algebra
- Semester 3: Basic Calculus*
- Semester 4: Trigonometry** or Elementary Statistics**

COMPASS Score: 31-49 Algebra

- Semester 1: Intermediate Algebra
- Semester 2: College Algebra
- Semester 3: Basic Calculus*
- Semester 4: Trigonometry** or Elementary Statistics**

COMPASS Score: 50-100 Algebra

- Semester 1: College Algebra
- Semester 2: Trigonometry**
- Semester 3: Calculus I*
- Semester 4: Calculus II**

* Offered in the fall semester only

** Offered in the spring semester only

Notes:

Basic Calculus is not for math/science/engineering majors.

Trigonometry (high school or college) is a prerequisite for Calculus I.