Most of us are comfortable using everyday mathematics, but higher level mathematics, such as calculus, may seem mysterious, a completely unfamiliar language. As a mathematics student, you’ll study this language and learn how to use it to describe the world. You’ll explore calculus, modern algebra, and other high-level mathematics in the purest light. If you love to solve puzzles, enjoy finding patterns and discovering whether something is true or false, this could be the pathway for you. If it all adds up, you might become a computer scientist, a mathematics instructor, a financial analyst, a mathematician, a statistician and more.

This is an example course sequence for students interested in pursuing Mathematics. This does not represent a contract, nor does it guarantee course availability. If this pathway is followed as outlined, you will earn an Associate in Science (AS) degree. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below. Following this pathway will help you get your associate degree, which will increase your chances of transfer to bachelor’s-level programs of study. Choose Illinois Articulation Initiative (IAI) courses to fulfill general education requirements whenever possible. Visit www.itransfer.org and speak with your college advisor to learn more about IAI.

### SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students by adding more semesters.

**D SEMESTER 1**
- English 101–Composition I (3)  
  Category: Communications
- Mathematics 207–Calculus and Analytic Geometry I (5)  
  Category: Mathematics
- Social & Behavioral Sciences course (3)  
  Category: Social & Behavioral Sciences
- Speech 101–Fundamentals of Speech Communication (3)  
  Category: Communications

**D SEMESTER 2**
- English 102–Composition II (3)  
  Category: Communications
- Mathematics 208–Calculus and Analytic Geometry II (5)  
  Category: Mathematics
- Physics 235–Engineering Physics I: Mechanics and Wave Motion (5)  
  Category: Physical Sciences
- Social & Behavioral Sciences course (HD) (3)  
  Category: Social & Behavioral Sciences (HD)

**D SEMESTER 3**
- Mathematics 209–Calculus and Analytic Geometry III (5)  
  Category: Elective
- Life Sciences course (3)  
  Category: Life Sciences
- Mathematics 210–Differential Equations (3)  
  Category: Elective
- Program Elective (3)  
  Category: Elective
- Humanities (3)  
  Category: Humanities

**D SEMESTER 4**
- Mathematics 212–Linear Algebra (3)  
  Category: Elective
- Fine Arts course (3)  
  Category: Fine Arts
- Elective (3)  
  Category: Elective
- Chemistry 201–General Chemistry I (5)  
  Category: Physical Sciences

**ACHIEVEMENTS & NEXT ACTIONS**
- DO THIS–Meet with advisor to discuss academic goals and plan coursework
- DO THIS–Visit your campus Transfer Center to discuss options and create a short list of four-year schools for potential transfer
- DO THIS–Mid-term check-in with advisor
- DO THIS–Begin seeking additional four-year funding outlets such as scholarships and aid

**14 CREDIT HOURS**

**16 CREDIT HOURS**

**17 CREDIT HOURS**

**14 CREDIT HOURS**

**DEGREE MINIMUM: 60 CREDIT HOURS // PATHWAY TOTAL: 61 CREDIT HOURS**

Choose your courses with your College Advisor.
PROGRAM ELECTIVES

☐ Comparative Religion 101—Introduction to Religion (3)
☐ Comparative Religion 108—Religion and Psychology (3)
☐ Chemistry 121—Basic Chemistry I (4)
☐ Mathematics 209—Calculus and Analytic Geometry III (5)
☐ Mathematics 210—Differential Equations (3)
☐ Mathematics 212—Linear Algebra (3)
☐ Mathematics 140—College Algebra (4) and Mathematics 141—Plane Trigonometry (3) OR Mathematics 143—Precalculus (6)
☐ Philosophy 106—Introduction to Philosophy (3)
☐ Philosophy 107—Ethics (3)
☐ Physics 236—Engineering Physics II: Electricity and Magnetism (5)
☐ Additional electives such as Comparative Religion

1. Chemistry 121 should only be taken if the student needs it for admittance into Chemistry 201.
2. Mathematics 143 should only be taken if the student it for admittance into Mathematics 207.