

4-Year Academic Plan: Pure Mathematics

The following is a **sample** outline demonstrating 4-year completion of this bachelor's degree. Each student's reality will vary slightly, as this plan does not include transfer work, Advanced Placement (AP), or concurrent enrollment credits. Math and English placement will be based on the student's ACT/SAT scores. **PLEASE NOTE:** The following plan assumes students are prepared to take the Math course listed. If prerequisites are required, additional semesters may be required to complete degree.

While every effort has been made to align this sample with departmental offerings and recommendations, **this is a GUIDE ONLY**. Please meet with your academic advisor and consult DegreeWorks for specifics.

<p>1st Year Fall (16 credits) MATH 1210 Calculus (4) ENGL 1010 Intro to Academic Writing (3) LM 1010 Information Literacy (1) CSIS 1000 Intro to Computers & Internet (3) American Institutions Course (3) EDGE 1010 Becoming an Engaged Learner (1) UNIV 1020 Strategies for Success: STEM (1)</p>	<p>1st Year Spring (15 credits) MATH 1220 Calculus II (4) CSIS 1400 Fundamentals of Programming* (3) ENGL 2010 Intermediate Writing (3) Physical Science Knowledge Area (5) <i>(PHYS 2210/2215 Physics strongly suggested)</i></p>
<p>2nd Year Fall (16 credits) MATH 2210 Calculus III (4) MATH 2270 Linear Algebra w/ Applications (3) Life Science Knowledge Area (3) Free Elective (3) Free Elective (3)</p>	<p>2nd Year Spring (16 credits) MATH 2280 Differential Equations (3) MATH 3120 Transition to Advanced Math (3) Fine Arts Knowledge Area (3) Humanities Knowledge Area (3) EDGE 30XX* Project Proposal & Planning (1) Free Elective (3)</p>
<p>3rd Year Fall (16 credits) MATH 3700 Probability & Statistics (4) Approved Math Upper Division Course* (3) MATH 4220 Abstract Algebra I (3) Approved Math Upper-Division Course* (3) Free Elective (3)</p>	<p>3rd Year Spring (15 credits) MATH 4230 Abstract Algebra II (3) Approved Math Upper-Division Course* (3) Approved Math Upper-Division Course* (3) Free Elective (3) Social and Behavioral Science Knowledge Area (3)</p>
<p>4th Year Fall (15 credits) MATH 4400 Advanced Calculus I (3) Approved Math Upper Division Course* (3) Upper-Division Free Elective (3) Free Elective (3) Free Elective (3)</p>	<p>4th Year Spring (13 credits) EDGE 40XX* Project Reporting & Reflection (1) MATH 4580 Complex Analysis (3) MATH 4410 Advanced Calculus II (3) Upper Division-Free Elective (3) Free Elective (3)</p>

Color Key:

General Education Courses (green)

Major-required courses that also fulfill GE requirement (purple)

Major Courses (black)

Electives/minor/etc. (red)

EDGE Program Course (orange)

Other Notes:

➤ (*) indicates available options—see catalog