

The mathematics major will provide you with a solid background in a broad range of modern mathematics while instilling a strong ability to solve problems, apply mathematics to real-world scenarios, and create rigorous mathematical arguments. You'll graduate from this program ready to pursue your professional goals, whether that be furthering your education in graduate school, teaching at the secondary level, or for a professional career in government, business, or other industries that demand numerical expertise.

What Will You Learn?

1. Critical Thinking and Problem-solving Skills
2. Breadth and Depth of Content Knowledge
3. Written and Verbal Communication Skills

Where Can You Go?

- Actuarial Science
- Data Science
- Economics
- Education
- Financial, Systems, or Operations Research Analysis
- Government or Public Service
- Risk Management and Mitigation
- Patent Law
- Statistician
- Software Development
- Top professional fields where Springfield College alumni work:
 - Secondary Education
 - Financial or Systems Analysis
 - Higher Education
 - Programming
 - Law

1st YEAR

2nd YEAR

3rd YEAR

4th YEAR

	1st YEAR	2nd YEAR	3rd YEAR	4th YEAR
Pursue Knowledge	<p>Take Springfield College Seminar (SCSM 101).</p> <p>Begin calculus sequence (MATH 140/142/220).</p> <p>Take Physics with Calculus (PHYS 310) or Introduction to Computer Science (CISC 175).</p>	<p>Take 200-level math courses such as Discrete Math and Probability & Statistics.</p> <p>Finish your Wellness Course sequence.</p> <p>Declare a Themed Exploration that complements your major interests.</p>	<p>Take upper-level math courses such as Linear Algebra, Abstract Algebra, Analysis.</p> <p>Make progress on completing your Wellness Passport plan.</p> <p>Take your Themed Exploration courses.</p>	<p>Complete your core capstone work in Math Seminar (MATH 382).</p> <p>Complete your remaining Core Curriculum requirements, if any: Writing Across the Curriculum, Wellness Passport, or Themed Explorations.</p>
Gain Experience	<p>Establish relationships with your professors and advisor.</p> <p>Serve as a member of a club or organization.</p> <p>Meet with a representative from the Career Center.</p> <p>Knowing another language is a valued asset in nearly all careers. Build language study into your academic and professional plan.</p>	<p>Learn about research opportunities through your professors and advisor.</p> <p>Explore internship opportunities.</p> <p>Explore possible minors to supplement your major interests.</p> <p>If you're interested in a semester abroad your junior year, start planning now with your advisor and International Center staff.</p>	<p>Complete an internship or research opportunity with a professor.</p> <p>Attend a conference.</p> <p>Continue to develop leadership skills through attending a regional or national conference or becoming an executive board member of your club/organization.</p>	<p>Present your work at Scholars in Action Day, and/or at a regional or national conference in your area of study or activity.</p> <p>Connect with the Career Center staff.</p>
Build Your Communities	<p>Join a club, like the STEAM Club.</p> <p>Attend an academic lecture/presentation on campus</p> <p>Get involved with a service activity, intramural sports, New Student Orientation (NSO), Residential Life, or Pre-Camp.</p> <p>Consider a campus job, if you are eligible for work-study, or community-engaged employment opportunities.</p>	<p>Take on a leadership role in a club.</p> <p>Get to know the larger Springfield community through service projects with the Center for Service and Leadership.</p> <p>Build your intercultural competence by getting involved with the Office of Diversity, Equity, and Inclusion and the International Center.</p>	<p>Attend a regional or national conference.</p> <p>Lead a service project.</p> <p>Explore short-term abroad opportunities with the International Center, as well as service-oriented spring break experiences in the U.S., like Alternative Spring Break.</p>	<p>Present at a conference, on or off campus.</p> <p>Serve as a mentor and leader in a club.</p> <p>Explore new activities you haven't tried before.</p>
Prepare for Life After College	<p>Get involved to develop transferable skills</p> <ul style="list-style-type: none"> • Attend departmental and campus events to network and meet faculty, staff, and students. • Meet with a Career Counselor to explore careers and/or majors. • Utilize Career Center resources, including Handshake. 	<p>Develop academic and career-related goals</p> <ul style="list-style-type: none"> • Visit the Career Center to research fields of interest. • Have resumes and cover letters reviewed by the Career Center. • Now is the time to develop your academic and career goals with your advisor and a career counselor. 	<p>Gain experiential education in your field</p> <ul style="list-style-type: none"> • Attend networking events and job fairs to learn about employment opportunities. • Plan an internship experience with your faculty internship coordinator and the Career Center. • Look at graduate school requirements to ensure you are on track. 	<p>Apply for jobs or graduate school</p> <ul style="list-style-type: none"> • Prepare your applications for jobs and graduate school. • Ask professionals to serve as references. • Participate in mock interviews to strengthen skills and build confidence. • Speak with the International Center about opportunities in the U.S. and abroad.

The map offers suggestions for activities and careers, but everyone's abilities, experiences, and constraints are different. **You don't have to do it all.**