MATHEMATICS, BS

Mathematics is about understanding the world through studies of quantity, structure, pattern, and change to create logical solutions that make life more meaningful and more beautiful. Mathematics bridges the humanities and the sciences. Its position among the humanities is based on the study of mathematics as one of the liberal arts for more than two thousand years. The natural sciences have invariably turned to mathematics for techniques needed to explore the consequences of scientific theories. In the last few decades, social scientists have increasingly found higher mathematics of value in their training and research. Still an expanding subject, mathematics is a part of more new and challenging frontiers than at any time in its long history, with many new fields, from data science to quantum computing, requiring new techniques and inspiring ideas for exploration.

Students interested in Mathematics may also wish to consider the Bachelor of Science—Applied Mathematics, Engineering, and Physics (https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/) (BS AMEP).

HOW TO GET IN

HOW TO GET IN

DECLARATION

To declare a major in mathematics, a student must have completed the sequence MATH 221, MATH 222, and MATH 234, or the sequence MATH 375 and MATH 376, with a 2.500 GPA or better. Major advisors may waive this requirement for students with alternative coursework and experiences (e.g., transfer students). Students should meet with a math advisor before declaring in order to discuss course selection and major plan. Advising information can be found in the Advising and Careers (https://guide.wisc.edu/undergraduate/letters-science/mathematics/mathematics-bs/#advisingandcareerstext) link.

Students who are declared in the Bachelor of Science-Applied Mathematics, Engineering, and Physics degree may not be declared in the Mathematics for Physical and Biological Sciences named option.

Students declared in the Mathematics certificate may not be declared in the Mathematics major at the same time. Students who wish to declare this major must first cancel their declaration in the Mathematics certificate.

REQUIREMENTS

UNIVERSITY GENERAL EDUCATION REQUIREMENTS

All undergraduate students at the University of Wisconsin-Madison are required to fulfill a minimum set of common university general education requirements to ensure that every graduate acquires the essential core of an undergraduate education. This core establishes a foundation for living a productive life, being a citizen of the world, appreciating aesthetic values, and engaging in lifelong learning in a continually changing world. Various schools and colleges will have requirements in addition to the requirements listed below. Consult your advisor for assistance, as needed. For additional information, see the university Undergraduate General Education Requirements (https://guide.wisc.edu/undergraduate/#requirementsforundergraduatestudytext) section of the Guide.

General Education	• Breadth—Humanities/Literature/Arts: 6 credits • Breadth—Natural Science: 4 to 6 credits, consisting of one 4- or 5-credit course with a laboratory component; or two courses providing a total of 6 credits • Breadth—Social Studies: 3 credits • Communication Part A & Part B * • Ethnic Studies * • Quantitative Reasoning Part A & Part B *

* The mortarboard symbol appears before the title of any course that fulfills one of the Communication Part A or Part B, Ethnic Studies, or Quantitative Reasoning Part A or Part B requirements.

COLLEGE OF LETTERS & SCIENCE DEGREE REQUIREMENTS: BACHELOR OF SCIENCE (BS)

Students pursuing a Bachelor of Science degree in the College of Letters & Science must complete all of the requirements below. The College of Letters & Science allows this major to be paired with either the Bachelor of Arts or the Bachelor of Science degree requirements.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Mathematics	Complete two courses of 3+ credits at the Intermediate or Advanced level in MATH, COMP SCI, or STAT subjects. A maximum of one course in each of COMP SCI and STAT subjects counts toward this requirement.
Language	Complete the third unit of a language other than English.
L&S Breadth	Complete: • 12 credits of Humanities, which must include at least 6 credits of Literature; and • 12 credits of Social Science; and • 12 credits of Natural Science, which must include 6 credits of Biological Science and 6 credits of Physical Science.
Liberal Arts and Science Coursework	Complete at least 108 credits.
Depth of Intermediate/Advanced Coursework	Complete at least 60 credits at the Intermediate or Advanced level.
Major	Declare and complete at least one major.
Total Credits	Complete at least 120 credits.
UW-Madison Experience	Complete both: • 30 credits in residence, overall, and • 30 credits in residence after the 86th credit.
Quality of Work	• 2.000 in all coursework at UW–Madison • 2.000 in Intermediate/Advanced level coursework at UW–Madison

NON–L&S STUDENTS PURSUING AN L&S MAJOR

Non–L&S students who have permission from their school/college to pursue an additional major within L&S only need to fulfill the major requirements. They do not need to complete the L&S Degree Requirements above.

REQUIREMENTS FOR THE MAJOR

The mathematics major requirements include exposure to at least two areas of advanced mathematics. The program is ideal for any student who has a broad interest in mathematics both pure and applied, and functions well as a standalone or complementary program. The mathematics major also offers six named options (p. 3) for students interested in pursuing an applied focus area outside of mathematics as part of their major.

The mathematics major requires 7 distinct courses for at least 21 credits as described below. Note that at most one course from each of the following groupings may be used to fulfill the minimum course and credit requirement (i.e., seven courses and at least 21 credits): Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 375), Intro Differential Equations (MATH 319, MATH 320, or MATH 376), and Intro Probability (MATH/STAT 309 or MATH/STAT 431).

At least seven MATH courses for at least 21 credits are required for the major as follows[1]:

Code	Title	Credits
Linear Algebra (complete one)[2]		**3-5**
MATH 341	Linear Algebra	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	

Code	Title	Credits
Analysis, Topology, Algebra (complete two)		**6**
MATH 521	Analysis I	
MATH 541	Modern Algebra	
MATH 551	Elementary Topology	

ADVANCED MATH ELECTIVE (COMPLETE ONE)

Code	Title	Credits
Complete at least one for three credits:		3
MATH/ COMP SCI 513	Numerical Linear Algebra	
MATH/ COMP SCI 514	Numerical Analysis	
MATH 519	Ordinary Differential Equations	
MATH 521	Analysis I	
MATH 522	Analysis II	
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization	
MATH 531	Probability Theory	
MATH 535	Mathematical Methods in Data Science	
MATH 540	Linear Algebra II	
MATH 541	Modern Algebra	
MATH 542	Modern Algebra	
MATH 551	Elementary Topology	
MATH 552	Elementary Geometric and Algebraic Topology	
MATH 561	Differential Geometry	
MATH 567	Modern Number Theory	
MATH 570	Fundamentals of Set Theory	
MATH/ PHILOS 571	Mathematical Logic	
MATH 607	Topics in Mathematics Study Abroad	
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology	
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction	
MATH 619	Analysis of Partial Differential Equations	
MATH 621	Introduction to Manifolds	
MATH 623	Complex Analysis	
MATH 627	Introduction to Fourier Analysis	
MATH 629	Introduction to Measure and Integration	
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes	
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus	
MATH 681	Senior Honors Thesis	
MATH 682	Senior Honors Thesis	
MATH 691	Undergraduate Thesis	
MATH 692	Undergraduate Thesis	
MATH 698	Directed Study	
MATH 699	Directed Study	

ADDITIONAL MATH ELECTIVE TO ACHIEVE 7 COURSES AND 21 CREDITS IN THE MAJOR

Code	Title	Credits
Choose from the following:		9
MATH/STAT 431	Introduction to the Theory of Probability[3]	
or MATH/ STAT 309	Introduction to Probability and Mathematical Statistics I	
MATH/STAT 310	Introduction to Probability and Mathematical Statistics II	
MATH 319	Techniques in Ordinary Differential Equations[4]	
or MATH 376	Topics in Multi-Variable Calculus and Differential Equations	
MATH 321	Applied Mathematical Analysis 1: Vector and Complex Calculus	
MATH 322	Applied Mathematical Analysis 2: Partial Differential Equations	

MATH 390	Undergraduate Research with Madison Experimental Mathematics Lab [5]
MATH 407	Topics in Mathematics Study Abroad
MATH 415	Applied Dynamical Systems, Chaos and Modeling
MATH 421	The Theory of Single Variable Calculus
MATH/ COMP SCI/ I SY E 425	Introduction to Combinatorial Optimization
MATH/ COMP SCI/ E C E 435	Introduction to Cryptography
MATH 443	Applied Linear Algebra
MATH 444	Graphs and Networks in Data Science
MATH 461	College Geometry I
MATH 467	Introduction to Number Theory
MATH/ HIST SCI 473	History of Mathematics
MATH/ COMP SCI/ STAT 475	Introduction to Combinatorics
MATH 490	Undergraduate Seminar
MATH 491	Topics in Undergraduate Mathematics
MATH/ COMP SCI 513	Numerical Linear Algebra
MATH/ COMP SCI 514	Numerical Analysis
MATH 519	Ordinary Differential Equations
MATH 521	Analysis I
MATH 522	Analysis II
MATH/ COMP SCI/I SY E/ STAT 525	Linear Optimization
MATH 531	Probability Theory
MATH 535	Mathematical Methods in Data Science
MATH 540	Linear Algebra II
MATH 541	Modern Algebra
MATH 542	Modern Algebra
MATH 551	Elementary Topology
MATH 552	Elementary Geometric and Algebraic Topology
MATH 561	Differential Geometry
MATH 567	Modern Number Theory
MATH 570	Fundamentals of Set Theory
MATH/ PHILOS 571	Mathematical Logic
MATH 607	Topics in Mathematics Study Abroad
MATH/B M I/ BIOCHEM/ BMOLCHEM 609	Mathematical Methods for Systems Biology
MATH 616	Data-Driven Dynamical Systems, Stochastic Modeling and Prediction
MATH 619	Analysis of Partial Differential Equations
MATH 621	Introduction to Manifolds
MATH 623	Complex Analysis
MATH 627	Introduction to Fourier Analysis
MATH 629	Introduction to Measure and Integration
MATH/I SY E/ OTM/STAT 632	Introduction to Stochastic Processes
MATH 635	An Introduction to Brownian Motion and Stochastic Calculus
MATH 681	Senior Honors Thesis
MATH 682	Senior Honors Thesis
MATH 691	Undergraduate Thesis
MATH 692	Undergraduate Thesis
MATH 698	Directed Study
MATH 699	Directed Study
Total Credits	**9**

RESIDENCE AND QUALITY OF WORK

- 2.000 GPA in all MATH and major courses.
- 2.000 GPA on 15 upper-level major credits, taken in residence.[6]
- 15 credits in MATH, taken on the UW–Madison campus.

NAMED OPTIONS

View as listView as grid

- **MATHEMATICS: MATHEMATICS FOR DATA SCIENCE (HTTPS://GUIDE.WISC.EDU/UNDERGRADUATE/LETTERS-SCIENCE/MATHEMATICS/MATHEMATICS-BA/MATHEMATICS-MATHEMATICS-DATA-SCIENCE-BA/)**
- **MATHEMATICS: MATHEMATICS FOR ECONOMICS AND FINANCE (HTTPS://GUIDE.WISC.EDU/UNDERGRADUATE/LETTERS-SCIENCE/MATHEMATICS/MATHEMATICS-BA/MATHEMATICS-MATHEMATICS-ECONOMICS-FINANCE-BA/)**
- **MATHEMATICS: MATHEMATICS FOR PROGRAMMING AND COMPUTING (HTTPS://GUIDE.WISC.EDU/UNDERGRADUATE/LETTERS-SCIENCE/MATHEMATICS/MATHEMATICS-BA/MATHEMATICS-MATHEMATICS-PROGRAMMING-COMPUTING-BA/)**
- **MATHEMATICS: MATHEMATICS FOR SECONDARY EDUCATION (HTTPS://GUIDE.WISC.EDU/UNDERGRADUATE/LETTERS-SCIENCE/MATHEMATICS/MATHEMATICS-BA/MATHEMATICS-MATHEMATICS-SECONDARY-EDUCATION-BA/)**
- **MATHEMATICS: MATHEMATICS FOR STATISTICAL ANALYSIS AND RISK ASSESSMENT (HTTPS://GUIDE.WISC.EDU/UNDERGRADUATE/LETTERS-SCIENCE/MATHEMATICS/MATHEMATICS-BA/MATHEMATICS-MATHEMATICS-STATISTICAL-ANALYSIS-RISK-ASSESSMENT-BA/)**
- **MATHEMATICS: MATHEMATICS FOR THE PHYSICAL AND BIOLOGICAL SCIENCES (HTTPS://GUIDE.WISC.EDU/UNDERGRADUATE/LETTERS-SCIENCE/MATHEMATICS/MATHEMATICS-BA/MATHEMATICS-MATHEMATICS-PHYSICAL-BIOLOGICAL-SCIENCES-BA/)**

HONORS IN THE MAJOR

Students may declare Honors in the Major in consultation with the Mathematics Honors advisor (https://www.math.wisc.edu/undergraduate/advising/); this should be done by the start of the junior year. Honors in the major is not available in any Named Option program.

HONORS IN THE MATHEMATICS MAJOR REQUIREMENTS

To earn Honors in the Major, students must satisfy both the requirements for the mathematics major (above) and the following additional requirements:

- Earn a 3.300 University GPA
- Earn a 3.300 GPA for all MATH courses, and all courses accepted in the major
- Complete the following courses, with individual grades of B or better:

Code	Title	Credits
MATH 521 & MATH 522	Analysis I and Analysis II (Taken for Honors) [7]	
MATH 541 & MATH 542	Modern Algebra and Modern Algebra (Taken for Honors) [7]	
Select at least two more courses from MATH 500 through MATH 641. These course must be taken for honors. The following will usually be one of the courses: [8]		
MATH 551	Elementary Topology	
Select one of these Capstone projects:		
MATH 681 & MATH 682	Senior Honors Thesis and Senior Honors Thesis (For a total of 6 credits)	
or		
A sequence of two upper-level mathematics courses deemed acceptable by the Mathematics Honors advisor [8]		

FOOTNOTES

1. A course may only apply once toward the courses/credits required for the major. Thus, a course used to meet the Analysis, Topology and Algebra requirement may *not* also be used to meet the requirement for MATH 500-699 requirement and a course used to meet the MATH 500-699 requirement may *not* also be used in the Additional Math requirement.
2. Only one of these courses will be used to fulfill minimum course/credit requirements for the major: MATH 320, MATH 340, MATH 341, MATH 375
3. At most one course in Introductory Probability may be used to fulfill the course/credit requirements for the major: MATH/STAT 309 and MATH/STAT 431.
4. At most one course in Elementary Differential Equations may be used to fulfill the course/credit requirements for the major: MATH 319, MATH 320, MATH 376.
5. MATH 390 will only count once toward the major requirements
6. MATH courses numbered 307–699 are considered upper level in the major.
7. At least one of the two sequences (MATH 521–MATH 522 or MATH 541–MATH 542) must be completed prior to enrolling in the Capstone project.
8. Chosen in consultation with the Mathematics Honors advisor.

UNIVERSITY DEGREE REQUIREMENTS

Total Degree	To receive a bachelor's degree from UW–Madison, students must earn a minimum of 120 degree credits. The requirements for some programs may exceed 120 degree credits. Students should consult with their college or department advisor for information on specific credit requirements.
Residency	Degree candidates are required to earn a minimum of 30 credits in residence at UW–Madison. "In residence" means on the UW–Madison campus with an undergraduate degree classification. “In residence” credit also includes UW–Madison courses offered in distance or online formats and credits earned in UW–Madison Study Abroad/Study Away programs.
Quality of Work	Undergraduate students must maintain the minimum grade point average specified by the school, college, or academic program to remain in good academic standing. Students whose academic performance drops below these minimum thresholds will be placed on academic probation.

LEARNING OUTCOMES

LEARNING OUTCOMES

1. State, explain, and apply the principal results, definitions, and theorems of a wide collection of mathematical areas including at least one area of advanced undergraduate mathematics.
2. Construct and evaluate mathematical proofs and arguments.
3. Acquire a diverse set of skills and strategies in mathematical reasoning/problem solving.
4. Use mathematics to model and analyze phenomena in other disciplines.
5. Write, explain, and present mathematics to both experts and non--experts.

FOUR-YEAR PLAN

FOUR-YEAR PLAN

This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

MATHEMATICS MAJOR - BACHELOR OF ARTS/SCIENCE DEGREE

Freshman

Fall	Credits	Spring	Credits
MATH 221[1,2]	5	MATH 222[2]	4
Communication A	3	Ethnic Studies	3
Foreign Language (if needed)	4	Foreign Language (if needed)	4
Literature Breadth	3	Literature Breadth	3
	15		**14**

Sophomore

Fall	Credits	Spring	Credits
MATH 234	4	MATH 341	3
Communication B	3	300/400-level MATH[3]	3
Humanities Breadth	3	Humanities Breadth	3
Physical Science Breadth	3	Physical Sciences Breadth	3
Elective	3	Elective	3
	16		**15**

Junior

Fall	Credits	Spring	Credits
300/400-level MATH[3]	3	300/400-level MATH[3]	3
Analysis, Algebra, or Topology	3	Analysis, Algebra, or Topology	3
Social Sciences Breadth	3	Social Sciences Breadth	3
Biological Sciences Breadth	3	Biological Sciences Breadth	3
Elective	3	Elective	3
	15		**15**

Senior

Fall	Credits	Spring	Credits
500/600-level MATH elective[4]	3	Social Sciences Breadth	3
Social Science Breadth	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		**15**

Total Credits 120

1. Math majors will naturally complete Quantitative Reasoning requirements with the introductory calculus courses required to declare the major.
2. Declaration of the Mathematics major requires a 2.500 cumulative GPA across the introductory calculus sequence. Students that are unable to establish a GPA for any courses in the introductory calculus sequence are encouraged to speak with a Mathematics major advisor as soon as possible.
3. 300/400-level MATH courses are any numbered above 306 excluding MATH 320, MATH 331, MATH 340, MATH 341, MATH 345, MATH 375 and MATH/CURRIC 471.

THREE-YEAR PLAN

THREE-YEAR PLAN

This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

DEPARTMENTAL EXPECTATIONS

Historically, students who have successfully complete a three year undergraduate degree with a major in Mathematics have the following qualifications: a minimum of 29 advanced standing credits, which include completion of the following with either course credit or via placement examination:

- MATH 221 and MATH 222
- Communication Part A
- 3-4 units of foreign language

Therefore the plan below assumes these requirements, but none other. When considering the plan below, students should note the following:

- Advanced standing credits may satisfy Ethnic Studies, Communication Part B, and/or Letters & Science Breadth degree requirements which are listed in the plan. In this case, students should adjust their plan by reorganizing the remaining degree requirements using the following priorities:
  a. Ethnic Studies and Communication Part B (obligatory in the first year)
  b. Physical, Biological, and Social Science Breadth (which may be prerequisites for more advanced electives)
  c. Humanities and Literature.
  d. Remaining schedule space should be considered electives.
- At least 26 of the non-MATH credits must be at the Intermediate or Advanced level.
- Consider using the elective space in the plan as follows: additional major or certificate, career readiness, graduate school preparation, and other personal interests.

First Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH Linear Algebra	3
Ethnic Studies	3	300/400-level MATH[1]	3
Communication B	3	Physical Science Breadth	3
Biological Science Breadth	3	Biological Science Breadth	3
Physical Science Breadth	3	Foreign Language (if needed for the BA) or Elective	3
	16		**15**

Second Year

Fall	Credits	Spring	Credits
300/400-level MATH[1]	3	300/400-level MATH[1]	3
Analysis, Algebra, or Topology	3	Analysis, Algebra, or Topology	3
Literature Breadth	3	Literature Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective (Intermediate or Advanced level)	3	Elective (Intermediate or Advanced level)	3
	15		**15**

Third Year

Fall	Credits	Spring	Credits
500/600-level MATH elective	3	Humanities Breadth (Intermediate or Advanced level)	3
Social Science Breadth	3	Social Science Breadth (Intermediate or Advanced level)	3
Humanities Breadth	3	Elective (Intermediate or Advanced level)	9
Elective (Intermediate or Advanced level)	6		
	15		**15**

Total Credits 91

[1] 300/400-level MATH courses are any numbered above 306 excluding MATH 320, MATH 331, MATH 340, MATH 341, MATH 345, MATH 375, and MATH/CURRIC 471.

ADVISING AND CAREERS

ADVISING AND CAREERS

ADVISING

Students who are interested in the Mathematics major should visit a faculty advisor. Information about current advisor availability is on the Math advising page (https://www.math.wisc.edu/undergraduate/advising/).

For advice on college algebra, pre-calculus, and calculus, see the placement advising pages (https://www.math.wisc.edu/undergraduate/placement/) of the department.

Transition Courses

All majors are required to complete at least one of the following as the prerequisite for one or more proof-based 500-level courses required in the major. It is suggested that Mathematics-declared students (and those interested in the major) complete such a course as soon in their academic career as possible.

Code	Title	Credits
MATH 341	Linear Algebra	
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 321 & MATH 322	Applied Mathematical Analysis 1: Vector and Complex Calculus and Applied Mathematical Analysis 2: Partial Differential Equations	
MATH 421	The Theory of Single Variable Calculus	
MATH 467	Introduction to Number Theory	

Graduate Study

Students preparing for graduate work in mathematics should take the following courses:

Code	Title	Credits
MATH 341	Linear Algebra	3
or MATH 375	Topics in Multi-Variable Calculus and Linear Algebra	
MATH 521	Analysis I	3
MATH 522	Analysis II	3
MATH 541	Modern Algebra	3
MATH 542	Modern Algebra	3
MATH 551	Elementary Topology	3
or MATH 561	Differential Geometry	

Select at least two other courses at the 500 level or higher

Students who plan to enter a mathematics PhD program should acquire a reading knowledge of at least one language other than English as early as possible; the most useful languages are French (https://guide.wisc.edu/courses/french/), German (https://guide.wisc.edu/courses/german/), and Russian (https://guide.wisc.edu/courses/slavic/).

CAREERS

In recent years, students graduating with the Mathematics major have obtained employment in a variety of jobs in business, industry, and governmental agencies and also have obtained teaching positions at the secondary school level (such teaching positions normally require teaching certification). Others have continued their education at the graduate level in mathematics and other fields. Departments in a variety of fields that use mathematics, including the social and biological sciences as well as in engineering and the physical sciences, are interested in attracting Mathematics students into their graduate programs. Students with a mathematics PhD obtain academic positions at the college and university level and nonacademic positions entailing consulting and research. The Mathematics major requirements are flexible enough to allow preparation for various goals.

For information about opportunities related to possible careers with a Mathematics major, refer to our Advising (https://math.wisc.edu/undergraduate/advising/) page under "Career Advising."

SUCCESSWORKS

SuccessWorks (https://successworks.wisc.edu/) at the College of Letters & Science helps you turn the academic skills learned in your classes into a fulfilling life, guiding you every step of the way to securing jobs, internships, or admission to graduate school.

Through one-on-one career advising, events, and resources, you can explore career options, build valuable internship and research experience, and connect with supportive alumni and employers who open doors of opportunity.

- What you can do with your major (https://successworks.wisc.edu/what-you-can-do-with-your-major/) (Major Skills & Outcomes Sheets)
- Make a career advising appointment (https://successworks.wisc.edu/make-an-appointment/)
- Learn about internships and internship funding (https://successworks.wisc.edu/finding-a-job-or-internship/)
- Try "Jobs, Internships, & How to Get Them," (https://successworks.wisc.edu/canvas/) an interactive guide in Canvas for enrolled UW–Madison students

RESOURCES AND SCHOLARSHIPS

RESOURCES AND SCHOLARSHIPS

The Department of Mathematics offers scholarships, awards, and prizes (https://math.wisc.edu/undergraduate/awards/) to students declared in the Mathematics major. Award applications are open during the spring semester so that award recipients may be selected before the end of spring semester and applied to fall enrollment.

Awards vary in scope and criteria. Some awards are open to students who exhibit financial need, while others are granted to students based on academic merit. Other awards are related to undergraduate research. Awards may be open to specific student populations such as early-career majors or those interested in a career as a teacher.

Students declared in the Mathematics major are encouraged to apply for any scholarships for which they meet the qualifications.