

## Mathematics Minor Declaration Form

Full Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Preferred Name: \_\_\_\_\_ Pronouns: \_\_\_\_\_ ID #: \_\_\_\_\_ PO Box: \_\_\_\_\_

Email: \_\_\_\_\_ Major: \_\_\_\_\_ Major Advisor: \_\_\_\_\_

Welcome to the mathematics community at Davidson! Please submit this form to the chair of the Mathematics and Computer Science Department. A minor in Mathematics consists of six courses: MAT 113; MAT 150; MAT 140 or MAT 160; one of MAT 220, MAT 230, or MAT 255; one of MAT 315, MAT 330, or MAT 355 and one additional Mathematics or Computer Science course numbered above 200. No pass-fail course may be applied toward the minor. College requirements specify a grade point average of 2.0 for those courses which constitute a student's minor *and* an overall grade point average of 2.0 for all courses. At most one course may simultaneously count for your major.

In the table below, please indicate those courses that you have completed or are currently taking. Also note the courses that you plan to take in the future. Some courses are offered in alternate years, so advanced planning is helpful. Supply the subject, number and title of any seminar or independent study course: note any independent study course requires approval of the department chair to count for the minor. Finally, if you plan to double-count a course with your major, then circle its course number.

<i>Mathematics Minor: six courses</i>		
Course	Title	Semester / Year
<i>Required courses:</i>		
MAT 113	Calculus II	
MAT 150	Linear Algebra	
<i>Exactly one of:</i>		
MAT 140	Multivariable Calculus and Modeling	
MAT 160	Calculus III	
<i>At least one of:</i>		
CSC/MAT 220	Discrete Structures	
MAT 230	Sets and Proofs	
MAT 255	Number Theory	
<i>At least one of:</i>		
CSC/MAT 315	Numerical Analysis	
MAT 330	Real Analysis	
MAT 355	Abstract Algebra	
<i>If only five courses above, then exactly one of:</i>		
CSC 221	Data Structures	
CSC 321	Analysis of Algorithms	
CSC 324	Theory of Computation	
CSC 370	Machine Reasoning	
CSC 371	Machine Learning	
CSC 379	Cryptology	
MAT 210	Mathematical Modeling	
MAT 235	Differential Equations	
MAT 320	Combinatorics	
MAT 325	Graph Theory	
MAT 331	Complex Analysis	
MAT 340	Probability	
MAT 341	Mathematical Statistics	
MAT 360	Topology	
MAT 380	Seminar in Problem Solving and History of Mathematics	
MAT 430	Real Analysis II	
MAT 437	Dynamical Systems	
MAT 450	Advanced Linear Algebra	
MAT 455	Abstract Algebra II	
Qualifying Seminar		

Qualifying Indep. Study		
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Other activities

**Off-campus programs.** Are you planning an academic semester or year away from Davidson? If so, please describe:

**Campus organizations.** Indicate any campus organizations (music, theater, SGA, Davidsonian, athletics, etc.) in which you actively participate.

**Work Experience?** Do you have a work-study job or other school-year employment? Do you tutor? Are you interested in a mathematical experience such as grader or tutor, research assistantship, summer REU, or internship?

**After Davidson?** Describe your post-Davidson hopes or plans (e.g., professional/graduate school, potential career path).

**Etc.** Is there anything else we should know about you?

The Bernard Society, the Bernard Lecture, and Math Coffees

By submitting this form, you become a member of the Bernard Society, an association of mathematics and computer science majors and minors, and others with strong interest and participation in these fields. Through its endowment, the Bernard Society sponsors an annual banquet where juniors and seniors are ceremonially inducted into the society. This is followed by the Bernard lecture which features a visiting speaker of national prominence.

The Bernard Society also sponsors Math/CS Coffees. Usually a Math/CS Coffee includes a talk on mathematics or computer science by a Davidson student, a faculty member from Davidson or elsewhere, or someone involved in industry. Sometimes we replace the talk with a problem-solving session, and sometimes we meet just to chat. Math/CS Coffees always feature soft drinks and snacks. As a computer science minor, we encourage you to be an active participant in the Bernard Society, and to attend Math/CS Coffees frequently.

Working for the Department of Mathematics and Computer Science

We often need qualified students to assist in reading homework for 100- and 200-level courses, and to staff the Math, Science and Economics Center. Many of these positions are work-study, but some are funded in other ways. If you are interested in working for the Mathematics and Computer Science Department, please let us know.

I have completed the departmental demographic survey available at:  
[https://davidsonedu.co1.qualtrics.com/jfe/form/SV\\_cYmB0epLhAhUPHL](https://davidsonedu.co1.qualtrics.com/jfe/form/SV_cYmB0epLhAhUPHL)