

## Computer Science Minor Declaration Form

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

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

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

Welcome to the Computer Science community at Davidson! Please submit this form to the chair of the Mathematics and Computer Science Department. A minor in Computer Science consists of six courses: one of CSC 121, DIG/CSC 120, PHY/CSC 200, or BIO/CSC 209; CSC/MAT 220; CSC 221; CSC 250, and two electives chosen from computer science courses numbered above 300, including math courses cross-listed as computer science courses. 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.

<b>Computer Science Minor: six courses</b>		
Course	Title	Semester / Year
<i>Exactly one of:</i>		
CSC/DIG 120	Programming in Humanities	
CSC 121	Programming and Problem Solving	
CSC/PHY 200	Computational Physics	
BIO/CSC 209	Bioinformatics Programming	
<i>Required courses:</i>		
CSC/MAT 220	Discrete Structures	
CSC 221	Data Structures	
CSC 250	Computer Organization	
<i>Exactly two of:</i>		
CSC/MAT 210	Mathematical Modeling	
CSC 312	Software Design	
CSC/MAT 315	Numerical Analysis	
CSC 321	Analysis of Algorithms	
CSC 322	Programming Languages	
CSC 324	Theory of Computation	
CSC 351	Operating Systems	
CSC 353	Database Systems	
CSC 357	Concurrent and Parallel Computing	
CSC 359	Networks and Distributed Systems	
CSC 361	Computer Graphics	
CSC 362	Data Visualization	
CSC 370	Machine Reasoning	
CSC 371	Machine Learning	
CSC 379	Cryptology	
Qualifying Seminar		
Qualifying Seminar		
Qualifying Indep. Study		
Qualifying Indep. Study		

*There's more on the back*

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 participate actively.

**Work Experience?** Do you have a work-study job or other school-year employment? Do you tutor? Are you interested in an extracurricular experience such as grader or tutor, research assistant, 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/CS 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)