

MATHEMATICS, CERTIFICATE

REQUIREMENTS

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The certificate requires a minimum of 12 credits. Note that **at most one** course from each of the following groupings may be used to fulfill the minimum credit requirement:

- Intro Linear Algebra (MATH 320, MATH 340, MATH 341, MATH 345, MATH 375),
- Intro Differential Equations (MATH 319, MATH 320, MATH 376), and
- Intro Probability (MATH/STAT 309, MATH 331, MATH/STAT 431).

The above groups are not required for the certificate. If you choose to take a course in a group, only that one from the group will count toward the certificate requirements.

Code	Title	Credits
Requirements^{1, 2, 3}		
3 credits MATH 400–699		3
9 credits from MATH 307–699		9
Total Credits		12

FOOTNOTES

¹ Excluding MATH/CURRIC 471.

² At most one (1) course each from these groups may apply:

- Linear Algebra: MATH 320, MATH 340, MATH 341, MATH 345, MATH 375
- Differential Equations: MATH 319, MATH 320, MATH 376
- Probability: MATH/STAT 309, MATH 331 MATH/STAT 431

³ MATH 390 will only count once toward the certificate requirements.

RESIDENCE & QUALITY OF WORK

- At least 9 certificate credits must be completed in residence.
- Minimum 2.000 GPA on all certificate courses.

UNDERGRADUATE/SPECIAL STUDENT CERTIFICATES

This certificate is intended to be completed in the context of an undergraduate degree and for those seeking this certificate that is preferred. For students who have substantially completed this certificate at UW–Madison and may need one or two courses to complete the certificate, they may do so immediately after completion of the bachelor's degree by enrolling in the course as a University Special (nondegree) student. The certificate must be completed within a year of completion of the bachelor's degree. Students should keep in mind that University Special students have the last registration priority and that may limit availability of desired courses. Financial aid is not available when enrolled as a University Special student to complete an undergraduate certificate.