

# MATHEMATICS SPECIALIZED, MINOR

This minor may only be completed by students admitted to Elementary Education options that include certification in K-9 or Middle Childhood through Early Adolescence. Students may wish to consult with an advisor in the School of Education Student Services office, 139 Education Building, to discuss course selection and other issues related to this field of study. Current students can schedule a Student Services appointment online through the Starfish app (<https://advising.wisc.edu/facstaff/starfish/starfish-student-resources/>) in MyUW. Appointments can also be made through email at [soeacademicservices@education.wisc.edu](mailto:soeacademicservices@education.wisc.edu), ([soeacademicservices@education.wisc.edu](mailto:soeacademicservices@education.wisc.edu)) by calling 608-262-1651, or in person once the office has reopened.

## HOW TO GET IN

This minor may be completed only by students admitted to the Middle Childhood through Early Adolescence options of Elementary Education. Students admitted to the Content Focus option (<http://guide.wisc.edu/undergraduate/education/curriculum-instruction/elementary-education-bse/elementary-education-middle-childhood-through-early-adolescence-content-focused-minor-bse/>) are asked to identify the minor of their choice when admitted to the program. Students admitted to the other Middle Childhood through Early Adolescence options should fill out a minor declaration form available in the School of Education Student Services office, Room 139 Education Building.

## REQUIREMENTS

Complete a minimum of 22 credits to include the requirements listed below. A minimum cumulative grade point average of 2.75 is required, based on all minor coursework taken on the UW–Madison campus.

| Code   | Title   | Credits |
|--|---|---------|
| <b>Required Courses</b>                              |   |         |
| MATH 221   | Calculus and Analytic Geometry 1                                | 5       |
| MATH 222   | Calculus and Analytic Geometry 2                                | 4       |
| STAT 301   | Introduction to Statistical Methods                             | 3       |
| <b>Additional credits chosen from the following:</b> |   |         |
| MATH 135   | Algebraic Reasoning for Teaching Math                           | 3       |
| MATH 138   | Mathematics for Teaching: Conjecture, Generalization, and Proof | 3       |
| MATH 234   | Calculus–Functions of Several Variables                         | 4       |
| MATH/<br>COMP SCI 240                                | Introduction to Discrete Mathematics                            | 3       |
| MATH 340   | Elementary Matrix and Linear Algebra                            | 3       |
| MATH 461   | College Geometry I  | 3       |
| MATH/HIST SCI 473                                    | History of Mathematics  | 3       |