SECONDARY MATHEMATICS SPECIALIST CERTIFICATE

Department of Mathematics, College of Arts & Sciences

Vision Statement

The Secondary Mathematics Specialist certificate is ideal for:

• Current high school teachers who are planning on teaching advanced secondary mathematics such as Dual-Enrollment calculus at their high school and already have a masters degree in a STEM or education field or would like to get one.
• Any student interested in teaching freshman/sophomore level mathematics courses at local universities.
• Any student interested in pursuing a PhD in education with an emphasis in mathematics.

NOTE: This program does not help a student get a state certification to teach high school math. For those students with an undergraduate degrees already interested in pursuing a degree to teach high school math, but do not yet have a state certification to teach, consider the Teacher Academy Project (http://www.unomaha.edu/college-of-education/moec/projects/teacher-academy-project/).

Program Contact Information

Michael Matthews, PhD, Graduate Program Chair (GPC)
231 Durham Science Center (DSC)
402.554.3558
michaelmatthews@unomaha.edu

Program Website (http://www.unomaha.edu/college-of-arts-and-sciences/mathematics/)

Other Program Related Information

Graduate Assistantships

The Department of Mathematics annually awards a few graduate assistantships for work within the department. These positions pay an annual stipend plus a waiver of tuition. For the details of the nature of the work, please contact the graduate department chair, Andrew Swift, aswift@unomaha.edu.

Teachers of Mathematics Scholarship

The Teacher of Mathematics Scholarship is awarded to teachers of high school mathematics who are interested in obtaining a graduate degree in mathematics (MS, MA, or MAT) at UNO for the purpose of becoming eligible to teach UNO calculus dual enrollment courses. These scholarships are awarded to teachers in school districts that are participating in the Dual Enrollment program. They will provide for the reimbursement of resident tuition for up to six graduate credit hours per semester for one year. No scholarship award becomes final until UNO graduate admission status is obtained. Continuation beyond the first year depends upon satisfactory academic progress and funds available. For further information contact Dr. Janice Rech, jrech@unomaha.edu.

Admissions

General Application Requirements and Admission Criteria (http://catalog.unomaha.edu/graduate/admission/)

Program-Specific Requirements

Application Deadlines (Spring 2022, Summer 2022, and Fall 2022)

Applications for this program are accepted on a rolling basis. All materials must be submitted prior to the beginning of the semester in which the student has elected to begin coursework.

Other Requirements

Individuals applying must satisfy the following requirements which are the same as for the Mathematics MAT degree.

• English Language Proficiency: Applicants are required to have a command of oral and written English. Those who do not hold a baccalaureate or other advanced degree from the United States, OR a baccalaureate or other advanced degree from a predetermined country on the waiver list (https://www.unomaha.edu/graduate-studies/prospective-students/Proof%20of%20English%20Proficiency-%20International.pdf), must meet the minimum language proficiency score requirement in order to be considered for admission.
• Have obtained at least a "B" (3.0 on a 4.0 scale) average in previous mathematics courses, including two courses beyond elementary calculus
• Hold state certification for teaching secondary school mathematics
• Course prerequisites will be determined at admission

Degree Requirements

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Required Courses</td>
<td></td>
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</tr>
<tr>
<td>MTCH 8020</td>
<td>MATHEMATICAL MODELING FOR SECONDARY TEACHERS</td>
<td>3</td>
</tr>
<tr>
<td>MTCH 8030</td>
<td>ALGEBRA FOR ALGEBRA TEACHERS</td>
<td>3</td>
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<tr>
<td>MTCH 8040</td>
<td>TOPICS IN MATHEMATICAL COMPUTING</td>
<td>3</td>
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<tr>
<td>Mathematical Sequences</td>
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<td>Complete one advisor approved Mathematics (not MTCH) sequence of courses (total of 9 hours). One sequence must include MATH 8756 and one of the following: STAT 8416 or STAT 8426. One additional MATH/STAT elective is required and can be part of either sequence.)</td>
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Total Credits 18