Oklahoma State University  
College of Arts and Sciences  
Request for Certification of  
Second Major in Mathematics  
for SCED Majors

Complete and Return to MS 401 by the last semester of course work

<table>
<thead>
<tr>
<th>Student Name</th>
<th>ID#</th>
<th>Expected Graduation Date</th>
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First Major: Secondary Education  
(Mathematics Option)  
Second Major: Mathematics

I certify that the above named student merits the above listing on his or her transcript by virtue of having completed the courses shown below, with satisfactory grade point average.

Total hours required: 46
Minimum grade of "C" in each course

<table>
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<tr>
<th>Course</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Math 2153: Calculus II</td>
<td></td>
<td>Math 3013: Linear algebra</td>
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<tr>
<td>Math 2163: Calculus III</td>
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<td>Math 3613: Intro. Modern algebra</td>
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<td>Math 4023: Intro. Modern analysis</td>
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<td>Math 4033: Geometry</td>
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<td>Math 4663: Combinatorial math</td>
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<td>Math 4713: Number theory</td>
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<tr>
<td>Math 4583: Math modeling</td>
<td></td>
<td>Stat ____ (4013: Methods I or 4023 Methods II)</td>
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<tr>
<td>Cied 4003: Teaching fund. concepts of math</td>
<td></td>
<td>Cied 4053: Teaching geometry</td>
<td></td>
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</tbody>
</table>

APPROVED

(Signature) (Date)  
(Advice)  
(Signature) (Date)  
A&S Graduation Certification
To earn a second major in mathematics you need only fulfill the Departmental Requirements listed on the right-hand side of either the BS or BA Mathematics degree sheet. Under this option, your final transcript will note both your first and second majors.

An alternative is to earn a second degree in mathematics. For this option, you must complete all College, Departmental, and University requirements for both degrees, and you must complete an additional 30 hours of course work. Under this option you will receive two diplomas. This option requires a graduation check for both degrees and a diploma application for both degrees.

**Requirements for the Second Major**

The requirements for a second major in Mathematics include 46 hours of mathematics and mathematics related courses. You must have an overall grade point of 2.00 or above with a minimum grade of C in each course counting toward the second degree in Mathematics. The Departmental requirements are the same as those for a SCED degree under the Mathematics option.

- MATH 2144, 2153, 2163, 2233, 3013, 3613, 4023, 4033, 4403, 4583, 4663, and 4713
- CIED 4003 and 4053
- STAT 4013 or STAT 4023

If Mathematics substitutions have been allowed by the College of Education, then you may still qualify for a second major in Mathematics. Consult any Mathematics advisor.

**Two Step Procedure**

**Now:** Take the attached Undergraduate Academic Program Declaration Form to LSE 213 and complete it there.

**The semester you graduate:** Complete the Request for certification of second major form on the back of this information sheet and have it signed by any Mathematics advisor. Be sure to indicate which of STAT 4013 or STAT 4023 you have taken. Return the completed form to MSCS 401.

**For the Second Degree:** (Not required for a second major). The second degree requires 30 hours in addition to all College and Departmental major requirements. It also requires two graduation checks and two diploma applications. You are advised to work closely with a Mathematics Advisor to see that all requirements are satisfied.