Mathematics Education - MEd, EdS, PhD

Mathematics Education - MEd (Alternative Certification)

Alternative Class A Education Program Checklist

<table>
<thead>
<tr>
<th>Teaching Field: 15 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 15 hours of advisor-approved 6000-7000 level courses in Math</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Professional Studies: 28 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTSE 7510 Research Studies in Area of Specialization</td>
</tr>
<tr>
<td>or CTSE 7560 Equity Issues in Mathematics Education</td>
</tr>
<tr>
<td>CTSE 7530 Organization of Program in Area of Specialization</td>
</tr>
<tr>
<td>CTRD 6000/6006 Language and Literacy in the Content Areas</td>
</tr>
<tr>
<td>CTSE 6040 Technology and Applications in Secondary Mathematics Education</td>
</tr>
<tr>
<td>CTSE 7540 Evaluation of Program in Area of Specialization</td>
</tr>
<tr>
<td>RSED 6000/6006 Advanced Survey of Exceptionality</td>
</tr>
<tr>
<td>CTSE 7920/7926 Clinical Residency</td>
</tr>
<tr>
<td>CTSE 6230/6236 Managing Middle and High School Classroom (Math Education)</td>
</tr>
</tbody>
</table>

Total Hours 43

---

1 RSED 6000/6 must be completed if a survey of special education course was not completed prior to unconditional admission. If a survey of special education course was completed prior to unconditional admission, the state diversity course requirement is fulfilled with **CTRD 6000/6 Language and Literacy** and the 3-hour course requirement for RSED 6000/6 will be waived resulting in 25 hours in Professional Studies and 40 total program hours.

2 Clearance for Clinical Residency includes completion of all other coursework. Exceptions require approval using the Student Petition Form.

In addition to the Graduate School requirement of a cumulative 3.0 GPA on all AU courses carrying graduate credit, a minimum cumulative GPA of 3.25 is required on all courses used to meet program requirements.

Coursework used to meet admission requirements cannot be used again to meet Alternative Class A program requirements.

All substitutions for required courses must be approved using the Course Substitution Form, including transfer work.

Undergraduate courses may be required by your advisory committee for your plan of study. This coursework is in addition to the total graduate program hours noted above and must be completed prior to Clinical Residency.

Mathematics Education - MEd (Certification)

Class A Program Checklist for Teaching Field

<table>
<thead>
<tr>
<th>Teaching Field: 12 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 12 hours of advisor-approved 6000-7000 level courses in Mathematics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special Education/Diversity Course: 3 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSED 6000/6006 Advanced Survey of Exceptionality OR CTSE 7560 Equity Issues in Math OR other state-approved diversity course</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Courses: 15 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required: 7-9 hours</td>
</tr>
<tr>
<td>CTSE 7520 Curriculum and Teaching in Area of Specialization</td>
</tr>
<tr>
<td>CTSE 7530 Organization of Program in Area of Specialization</td>
</tr>
<tr>
<td>or CTSE 7540 Evaluation of Program in Area of Specialization</td>
</tr>
<tr>
<td>CTSE 7910/7916 Practicum in Area of Specialization</td>
</tr>
</tbody>
</table>

Select the remaining 6-8 hours from the following:

| CTSE 6040 Technology and Applications in Secondary Mathematics Education | 3 |
| CTSE 7510 Research Studies in Area of Specialization | 3 |
Mathematics Education - MEd, EdS, PhD

CTSE 7900/7906 Directed Studies
CTSE 7970/7976 Special Topics
CTSE 7990/7996 Research and Thesis
Other advisor approved courses 6000 level and above 4

Total Hours 30

1 RSED 6000/6 Advanced Survey of Exceptionality must be completed if survey of special education course was not completed for prior level certification. If a survey of special education course was completed for prior level certification, the state diversity course requirement is fulfilled with CTSE 7560 Equity Issues in Math or a state approved diversity course. State-approved diversity courses for Auburn University are posted on the ALSDE website.

2 1 hour is required if teaching in area of certification at an approved school site or 3 hours required if not teaching in an area of certification.

3 Required if CTSE 5040 not completed at AU.

4 Supporting courses must be applicable to the area of certification (e.g., research, assessment/evaluation, classroom management, pedagogy, human behavior/development, foundations, technology, teaching field).

5 In addition to the Graduate School requirement of a cumulative 3.0 GPA on all AU courses carrying graduate credit, a minimum cumulative GPA of 3.25 is required on all courses used to meet program requirements.

6 Coursework used to meet Class B certification requirements may not be used to meet requirements for Class A certification.

All substitutions for required courses must be approved using the Course Substitution Form, including transfer work.

Mathematics Education - EdS (Certification)

Class AA Program Checklist for Teaching Field

Teaching Field: 12 hours
At least 1/3 of the program shall be in teaching field courses.
Select 12 hours of advisor-approved 6000-7000 level courses in Mathematics 12

Survey of Special Education/Diversity Course: 3 hours
RSED 6000/6006 Advanced Survey of Exceptionality OR CTSE 7560 Equity Issues in Math OR other state-approved diversity course 1

Additional Courses: 15 hours
Required: 1-3 hours
CTSE 8980/8986 Field Project 2
Select the remaining 12-14 hours from the following:
CTSE 7510 Research Studies in Area of Specialization
CTSE 7520 Curriculum and Teaching in Area of Specialization 3
CTSE 7530 Organization of Program in Area of Specialization 4
CTSE 7540 Evaluation of Program in Area of Specialization 5
CTSE 7560 Equity Issues in Mathematics Education 1,3
CTSE 7900/7906 Directed Studies
CTSE 7910/7916 Practicum in Area of Specialization
CTSE 7970/7976 Special Topics
Other advisor-approved supporting courses 6000 level and above 6

Total Hours 30

1 RSED 6000/6 Advanced Survey of Exceptionality must be used to fulfill requirement if survey of special education course was not completed for prior level certification. It may not be used to fulfill the requirement if a survey of special education course was completed for prior level certification. State-approved diversity courses for Auburn University are posted on the ALSDE website.

2 To ensure a field experience, a minimum of 1 hour of CTSE 8980/CTSE 8986 is required for those seeking Class AA certification only; 3 hours is required for those seeking the EdS degree.

3 Required if not previously completed at Auburn University.

4 Required if graduate level course in organization in math education not previously completed.

5 Required if graduate level course in evaluation in math education not previously completed.
Supporting courses must be applicable to the area of certification (e.g., research, assessment/evaluation, classroom management, pedagogy, human behavior/development, foundations, technology, teaching field).

In addition to the Graduate School requirement of a cumulative 3.0 GPA on all AU courses carrying graduate credit, a minimum cumulative GPA of 3.50 is required on all courses used to meet program requirements. [Add note to curriculum model and DegreeWorks/Program Block. The additional GPA will be calculated and monitored by the college.]

Coursework used to meet Class A certification requirements may not be used to meet requirements for Class AA certification.

All substitutions for required courses must be approved using the Course Substitution Form, including transfer work.

### Mathematics Education - PhD

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTSE 7510</td>
<td>Research Studies in Area of Specialization</td>
<td>3</td>
</tr>
<tr>
<td>CTSE 7520/7526</td>
<td>Curriculum and Teaching in Area of Specialization</td>
<td>3</td>
</tr>
<tr>
<td>CTSE 7530/7536</td>
<td>Organization of Program in Area of Specialization</td>
<td>3</td>
</tr>
<tr>
<td>CTSE 7540/7546</td>
<td>Evaluation of Program in Area of Specialization</td>
<td>3</td>
</tr>
<tr>
<td>CTSE 8990/8996</td>
<td>Research and Dissertation</td>
<td>10</td>
</tr>
<tr>
<td>ERMA 7200/7206</td>
<td>Basic Methods in Education Research</td>
<td>3</td>
</tr>
<tr>
<td>ERMA 7210</td>
<td>Theory and Methodology of Qualitative Research</td>
<td>3</td>
</tr>
<tr>
<td>Select 57 Hours in @ 6000-8999</td>
<td></td>
<td>57</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>85</strong></td>
</tr>
</tbody>
</table>