The Bachelor of Arts with a major in mathematics (with certification) prepares students for teaching in secondary schools.

### BA in MATHEMATICS (WITH CERTIFICATION)

#### ACADEMIC MAP

**CATALOG YEAR: 2016-17**

The Bachelor of Arts with a major in mathematics (with certification) prepares students for teaching in secondary schools.

**FALL**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1310/1313 or TECM 1700*</td>
<td>3</td>
</tr>
<tr>
<td>LANG 2040**</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1710</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2000</td>
<td>3</td>
</tr>
<tr>
<td>TNTX 1100</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td>14</td>
</tr>
</tbody>
</table>

**Milestones**

Maintain at least a 2.75 UNT and overall GPA.
Maintain at least a 2.5 GPA in math courses.

**SPRING**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Core (TECM 2700)*</td>
<td>3</td>
</tr>
<tr>
<td>LANG 2050**</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1720</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2100</td>
<td>3</td>
</tr>
<tr>
<td>TNTX 1200</td>
<td>2</td>
</tr>
<tr>
<td>Lab Science***</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td>18</td>
</tr>
</tbody>
</table>

**Milestones**

Maintain at least a 2.75 UNT and overall GPA.
Maintain at least a 2.5 GPA in math courses.
Completion of MATH 1710, 1720, 2000, and 2100.
Completion of TNTX 1100 and 1200 with a 2.75 GPA in all TNT courses.

**FALL**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSE 3500</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2700</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2730</td>
<td>3</td>
</tr>
<tr>
<td>Lab Science***</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 1040</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

**Milestones**

Maintain at least a 2.75 UNT and overall GPA.
Maintain at least a 2.5 GPA in math courses.
Maintain at least a 2.75 GPA in all TNT courses.

**SPRING**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCE 1010 or 1020 or 1030</td>
<td>3 or 4</td>
</tr>
<tr>
<td>MATH 3000</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3680</td>
<td>3</td>
</tr>
<tr>
<td>Lab Science***</td>
<td>4</td>
</tr>
<tr>
<td>PSCI 1050</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td>16 or 17</td>
</tr>
</tbody>
</table>

**Milestones**

Maintain at least a 2.75 UNT and overall GPA.
Maintain at least a 2.5 GPA in math courses.
Maintain at least a 2.5 GPA in all TNT courses.
Completion of MATH 2700, 2730, and 3000.
Begin work on TNT portfolio.
**FALL** | **Hrs.**
---|---
HIST 2610 | 3
MATH 3510 or 3610 | 3
MATH 4050 | 3
Creative Arts | 3
EDSE 4000 | 3
**Total Hours** | **15**

**Milestones**
- Maintain at least a 2.75 UNT and overall GPA.
- Maintain at least a 2.5 GPA in math courses.
- Maintain at least a 2.75 GPA in all TNT courses.
- Maintain at least a 2.0 GPA in math courses numbered 3350 and above.
- Admission into teacher education.
- Continue work on TNT portfolio.

**SPRING** | **Hrs.**
---|---
HIST 2620 | 3
MATH analysis or algebra | 3
MATH 3850 | 3
PHIL 2600 | 3
Elective | 3 or 4
**Total Hours** | **15 or 16**

**Milestones**
- Maintain at least a 2.75 UNT and overall GPA.
- Maintain at least a 2.5 GPA in math courses.
- Maintain at least a 2.75 GPA in all TNT courses.
- Maintain at least a 2.0 GPA in math courses numbered 3350 and above.
- Completion of EDSE 3500, EDSE 4000, and PHIL 2600.
- Continue work on TNT portfolio.

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**FALL** | **Hrs.**
---|---
Elective | 3
MATH 4060 | 3
Social and Behavioral Science | 3
TNTX 3100 | 3
EDSE 4500, Project-Based Instruction | 3
**Total hours** | **15**

**Milestones**
- Maintain at least a 2.75 UNT and overall GPA.
- Maintain at least a 2.5 GPA in math courses.
- Maintain at least a 2.75 GPA in all TNT courses.
- Maintain at least a 2.0 GPA in math courses numbered 3350 and above.
- Submit and pass preliminary portfolio.
- Completes state certification exams.

**SPRING** | **Hrs.**
---|---
EDSE 4608/4618 | 6
EDSE 4628 | 1
Elective (or PHYS 3010/3030) | 3
**Total hours** | **10**

**Milestones**
- Maintain at least a 2.75 UNT and overall GPA.
- Maintain at least a 2.5 GPA in math courses.
- Maintain at least a 2.75 GPA in all TNT courses.
- Maintain at least a 2.0 GPA in math courses numbered 3350 and above.
- Submit and pass final portfolio.
- Apply for graduation with the College of Arts and Sciences, GAB 220.

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*See the [University Core Curriculum](#) section of this catalog for approved list of course options.

**See [Arts and Sciences degree requirements](#) section of this catalog for approved list of course options.

***See the [mathematics major requirements](#) for an approved list of courses. For MATH/PHYS certification, PHYS 1710/1730, PHYS 2220/2240, and PHYS 3010/3030 are required.*