

**Bachelor of Arts – Mathematics with Mathematics Secondary Teacher Certification Major  
(Four Year Plan)**

**YEAR 1**

Semester 1		Semester 2	
Course Number	Credit Hours	Course Number	Credit Hours
<b>ENG 1301 (Composition I)<sup>#</sup></b> P: One of the following: (1) TSI ESSAY score of 4 and WRITING score of 340, (2) TSI ESSAY score of 5 and ABE WRITING diagnostic level 4, (3) TSI WRITING complete, OR (4) TSI WRITING exempt	3	<b>ENG 1302 (Composition II)</b> P: A grade of C or better in ENG 1301 or placement by examination	3
<b>*MATH 2401 (Calculus I)<sup>#</sup></b> P: C or better in MATH 1404 or MATH 1505 or placement by exam taken at UHD	4	<b>*MATH 2402 (Calculus II)</b> P: A grade of C or better in MATH 2401	4
<b>UHD 1302 (Freshman Seminar - Mathematics)</b> Transfer students see advisor for options	3	<b>*MATH 2409 (Introduction to Proofs)<sup>&amp;</sup></b> P: C or better in MATH 1404 or MATH 1505, or in both MATH 1305 and MATH 1306	4
<b>Approved Life and Physical Science course (p. 60)</b> P: Refer to catalog	3	<b>Approved Life and Physical Science course (p. 60)</b> P: Refer to catalog	3
<b>POLS 2305 (Federal Government)</b> P: Enrollment in or completion of ENG 1301 or 010 core complete	3	<b>Approved Am. Hist. course (p. 60)</b> P: Enrollment in or completion of ENG 1301 or 010 core complete	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>17</b>

**YEAR 2**

Semester 3		Semester 4	
Course Number	Credit Hours	Course Number	Credit Hours
<b>*MATH 2307 (Linear Algebra)</b> P: C or better in MATH 2401 or MATH 2305 or MATH 2409	3	<b>MATH 2403 (Calculus III)</b> P: A grade of C or better in MATH 2402	4
<b>MATH 3302 (Probability &amp; Statistics)</b> P: C or better in MATH 2402	3	<b>MATH 3301 (Diff. Equations)</b> P: C or better in MATH 2401 and 2402, credit or enrollment in MATH 2307 is recommended	3
<b>PED 3301 (Introduction to Special Populations)</b>	3	<b>MATH 3303 (Geo. for Teachers)</b> P: A grade of C or better in MATH 1301 and junior standing	3
<b>Approved Oral Communication course (p. 60)</b> P: Refer to catalog	3	<b>READ 3309 (Teaching Reading in the Content Areas)</b>	3
<b>POLS 2306 (Texas Government)</b> P: Enrollment in or completion of ENG 1301 or 010 core complete	3	<b>Approved Creat. Arts course (p. 60)</b> P: Refer to catalog	3
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>16</b>

Students must apply for admission and be accepted into the Department of Urban Education's Teacher Candidacy Program (p. 168-169)

### YEAR 3

Semester 5		Semester 6	
Course Number	Credit Hours	Course Number	Credit Hours
<b>MATH 3306 (Introduction to Modern Algebra)</b> P: C or better in MATH 2307 and MATH 2409	3	<b>MATH 3313 (Mathematics for Secondary Teachers)</b> P: C or better in MATH 2401 or MATH 1306	3
<b>MATH 3307 (Analysis I)</b> P: C or better in MATH 2402 and MATH 2409	3	<b>MATH 4000 Level Elective</b> See catalog for details	3
<b>MATH 3408 (Numerical Methods)</b> P: A grade of C or better in MATH 2401 and MATH 2307	4	<b>*SED 3312 (Organizing and Managing the Class Environment in the Secondary School)</b> P: Refer to catalog	3
<b>MATH Elective course (2000 - 4000 level)</b> See catalog for details	3	<b>*PED 3305 (Understanding the Early Child through 12<sup>th</sup> grade)</b> P: Refer to catalog	3
<b>Approved Language, Philosophy, and Culture course (p. 60)</b> P: Refer to catalog	3	<b>*PED 4380 (Field Experience in Urban Public School Classrooms)</b> P: Refer to catalog	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>15</b>

### YEAR 4

Semester 7		Semester 8	
Course Number	Credit Hours	Course Number	Credit Hours
<b>*SED 3317 (Teaching Secondary School Mathematics)</b> P: Refer to catalog	3	<b>*SED 4301 (Student Teaching in the Secondary School)</b> P: Refer to catalog	3
<b>*SED 3307 (Second. Teacher Roles in Assessment and Profession)</b> P: Refer to catalog	3	<b>*SED 4302 (Student Teaching in the Secondary School)</b> P: Refer to catalog	3
<b>*PED 4382 (Field Experience in Urban Education Classrooms)</b> <i>A math ed. faculty advisor and topic must be decided upon/approved by the dept. chair at least one full semester before registering</i> P: Refer to catalog	3	<b>*READ 4321 (Literacy Across the Curriculum 8-12)</b> P: Refer to catalog	3
<b>Approved Social and Behavioral Sciences course (p. 60)</b> P: Refer to catalog	3	Free Elective (if needed)	1
<b>Approved American History course (p. 60)</b> P: Enrollment in or completion of ENG 1301 or 010 core complete	3		
<b>Total Semester Hours</b>	<b>15</b>	<b>Total Semester Hours</b>	<b>10</b>

**Total Credit Hours Required      120**

\* Critical course required to stay on track within major and take subsequent courses

# Students are expected to place into ENG 1301 and MATH 2401 via CLEP or Bypass exams – placement tests determine which english or math course students should start with and additional courses may be necessary

& Satisfies both common core and major requirement/prerequisite