# Bachelor of Science, Teaching & Learning
## Science Grades 4th – 8th

### Four-Year Academic Map 2019-2020

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Semester 1 Fall</th>
<th>Semester 2 Spring</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>ENGL 1303 First Year Writing I*</td>
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<td>ENGL 1304 First Year Writing II*</td>
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<td></td>
<td>MATH 1310 College Algebra*</td>
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<td>MATH 1312 Introduction to Mathematical Reasoning*</td>
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<td></td>
<td>HIST 1377 The United States to 1877*</td>
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<td>HIST 1378 The United States since 1877*</td>
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<td>CHEM 1301 Foundations of Chemistry*</td>
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<td>BIOL 1310/1320 General Biology 1/2*</td>
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<td></td>
<td>CORE Lang, Phil &amp; Culture from list*</td>
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<td>CORE Creative and Visual Arts from List</td>
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<td>Semester Hours</td>
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<th>Year 2</th>
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<tr>
<td></td>
<td>CORE Writing in the Disciplines from list*</td>
<td>3</td>
<td>CUIN 2320 Math for EC-6 Teachers or</td>
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<td></td>
<td>MATH 1330 Pre-Calculus*</td>
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<td>MATH 2303 Concepts in Algebra</td>
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<td>POLS 1336 US &amp; TX Constitutions &amp; Politics*</td>
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<td>POLS 1337 US Gov.: Cong., Pres. &amp; Courts*</td>
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<td></td>
<td>GEOL 1330 Physical Geology*</td>
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<td>CORE Social &amp; Behavioral Sciences*</td>
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<td>BIOL 1362 Intro. to Biological Sciences</td>
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<td>PHYS 1301 Introductory General Physics</td>
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<td></td>
<td>CORE</td>
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<td>HDFS 3300 Intro to Ed. Psychology</td>
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<tr>
<td></td>
<td>CUIN 3321 Intro to Teaching: Middle Grades</td>
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<td>CUIN 4325 Teaching Science in Grades 4-8</td>
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<td></td>
<td>CUIN 3312 Ed. Tech. for Adolescences</td>
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<td>CUIN 4315 Assessment of Children</td>
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<td>CUIN 4331 Adolescent Literature</td>
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<td>PHYS 4345 Physics for Pre-Service Teachers</td>
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<td>PHYS 1305/1306 Astronomy</td>
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<td>CUIN 3347 Reading in the Content Areas</td>
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<td>EDUC 3101 Practicum for Pres. Teachers</td>
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<td>CUIN 3352 Perspective in Math and Sci.</td>
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<td>GEOL 1376 Historical Geology</td>
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<td>CUIN 1103 Dev. of Educator Dispositions</td>
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<td>CUIN 4375 Classroom Management</td>
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<td>CUIN 4361 Second Language Methodology</td>
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<td>CUIN 3302 Social Education</td>
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<td>Science Elective</td>
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<td>CUIN 3333 Dif. Inst. For Diverse Learners</td>
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<td>CUIN 4326 Teaching Science in Grades 4-8 (2)</td>
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<td>EDUC 4325 Student Teaching and Integrated Tech.-Middle School</td>
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<td>EDUC 4324 Student Teaching and Integrated Tech.-Middle School</td>
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*State of Texas Core Curriculum.

Students should meet with their academic advisor to formulate their own plan.