

**Bachelor of Science – Biological & Physical Sciences with Concentration in 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>Lower-Level Science Lecture/Laboratory courses<sup>&amp;</sup></b> Choose seven of nine – see catalog for options	4	<b>Lower-Level Science Lecture/Laboratory courses<sup>&amp;</sup></b> Choose seven of nine – see catalog for options	4
<b>MATH 1404 (Precalculus Math)<sup>#&amp;</sup></b> P: C or better in MATH 1302 or placement by exam taken at UHD	4	<b>Lower-Level Science Lecture/Laboratory courses</b> Choose seven of nine – see catalog for options	4
<b>UHD 1303 (Freshman Seminar – Life and Physical Sciences)</b> Transfer students see advisor for options	3	<b>Approved Language, Philosophy, and Culture 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>CS 1408 (Intro to CS with Visual Basic)</b> P: Credit or enrollment in MATH 1404 or 1505 or 1306; and placement in ENG 1301 or above (can be substituted with CS 1410)	4
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>18</b>

**YEAR 2**

Semester 3		Semester 4	
Course Number	Credit Hours	Course Number	Credit Hours
<b>Lower-Level Science Lecture/Laboratory courses</b> Choose seven of nine – see catalog for options	4	<b>Lower-Level Science Lecture/Laboratory courses</b> Choose seven of nine – see catalog for options	4
<b>Lower-Level Science Lecture/Laboratory courses</b> Choose seven of nine – see catalog for options	4	<b>Lower-Level Science Lecture/Laboratory courses</b> Choose seven of nine – see catalog for options	4
<b>PED 3301 (Introduction to Special Populations)<sup>%</sup></b>	3	<b>Upper Level Natural Science course</b> See catalog for details	3
<b>POLS 2306 (Texas Government)</b> P: Enrollment in or completion of ENG 1301	3	<b>Upper Level Natural Science course</b> See catalog for details	3
<b>Approved American History course (p. 60)</b> P: Enrollment in or completion of ENG 1301 or 010 core complete	3	<b>READ 3309 (Teaching Reading in the Content Areas)</b>	3
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>17</b>

**Students must apply for admission and be accepted into the Department of Urban Education's Teacher Candidacy Program**

**YEAR 3**

Semester 5		Semester 6	
Course Number	Credit Hours	Course Number	Credit Hours
<b>Upper Level Natural Science course%</b> See catalog for details	3	<b>Upper Level Natural Science course (4000-level)</b> See catalog for details	3
<b>Upper Level Natural Science course</b> See catalog for details	3	<b>*SED 3312 (Organizing and Managing the Class Environment in the Secondary School)</b> P: Refer to catalog	3
<b>Upper Level Natural Science course with lab (4000-level)%</b> See catalog for details	4	<b>*PED 3305 (Understanding the Early Child through 12<sup>th</sup> grade)</b> P: Refer to catalog	3
<b>Approved Oral Communication 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>Approved Creative Arts course (p. 60)</b> P: Refer to catalog	3	<b>Approved Social and Behavioral Sciences course (p. 60)</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>Upper Level Natural Science course</b> See catalog for details	3	<b>*SED 4301 (Student Teaching in the Secondary School)</b> P: Refer to catalog	3
<b>*SED 3315 (Effective Teaching Strategies in Science Education)</b> P: Refer to catalog	3	<b>*SED 4302 (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>*READ 4321 (Literacy Across the Curriculum 8-12)%</b> P: Refer to catalog	3
<b>*PED 4381 (Field Experience in Urban Education Classrooms)</b> P: Refer to catalog	3		
<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>9</b>

**Total Credit Hours Required      124**

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

# Students are expected to place into ENG 1301 and MATH 1404 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

% Satisfies both major requirement/prerequisite and integrated requirement course