

**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
ENG 1301 (Composition I)[#] 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	ENG 1302 (Composition II) P: A grade of C or better in ENG 1301 or placement by examination	3
Lower-Level Science Lecture/Laboratory courses^{&} Choose seven of nine – see catalog for options	4	Lower-Level Science Lecture/Laboratory courses^{&} Choose seven of nine – see catalog for options	4
MATH 1505 (Precalculus Math)^{#&} P: C or better in MATH 1301 or placement by exam taken at UHD	5	Lower-Level Science Lecture/Laboratory courses Choose seven of nine – see catalog for options	4
UHD 1303 (Freshman Seminar – Life and Physical Sciences) Transfer students see advisor for options	3	Approved Language, Philosophy, and Culture course (p. 60) P: Refer to catalog	3
		CS 1408 (Intro to CS with Visual Basic) 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
Total Semester Hours	15	Total Semester Hours	18

YEAR 2

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

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
Upper Level Natural Science course% See catalog for details	3	Upper Level Natural Science course (4000-level) See catalog for details	3
Upper Level Natural Science course See catalog for details	3	*SED 3312 (Organizing and Managing the Class Environment in the Secondary School) P: Refer to catalog	3
Upper Level Natural Science course with lab (4000-level)% See catalog for details	4	*PED 3305 (Understanding the Early Child through 12th grade) P: Refer to catalog	3
Approved Oral Communication course (p. 60) P: Refer to catalog	3	*PED 4380 (Field Experience in Urban Public School Classrooms) P: Refer to catalog	3
Approved Creative Arts course (p. 60) P: Refer to catalog	3	Approved Social and Behavioral Sciences course (p. 60) P: Refer to catalog	3
		POLS 2305 (Federal Government) P: Enrollment in or completion of ENG 1301 or 010 core complete	3
Total Semester Hours	16	Total Semester Hours	18

YEAR 4

Semester 7		Semester 8	
Course Number	Credit Hours	Course Number	Credit Hours
Upper Level Natural Science course See catalog for details	3	*SED 4301 (Student Teaching in the Secondary School) P: Refer to catalog	3
*SED 3315 (Effective Teaching Strategies in Science Education) P: Refer to catalog	3	*SED 4302 (Student Teaching in the Secondary School) P: Refer to catalog	3
*SED 3307 (Second. Teacher Roles in Assessment and Profession) P: Refer to catalog	3	*READ 4321 (Literacy Across the Curriculum 8-12) % P: Refer to catalog	3
*PED 4381 (Field Experience in Urban Education Classrooms) P: Refer to catalog	3		
Approved American History course (p. 60) P: Enrollment in or completion of ENG 1301 or 010 core complete	3		
Total Semester Hours	15	Total Semester Hours	9

Total Credit Hours Required 125

* 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