



CORE CURRICULUM REQUIREMENT	42 s.h. REQ'D	COURSE				43 s.h.	RESTRICTIONS &/OR REMARKS
			INSTITUTION	LD	UD		
English Composition	6	ENGL 1301				6	
		ENGL 1302					
U.S. History	6	HIST 1301				6	
		HIST 1302					
Political Science	6	GOVT 2305				6	
		GOVT 2306					
Natural Sciences	6	Natural Science w/lab				7	BIOL, CHEM, GEOL, PHYS or Bio/Physical Sciences
		Natural Science					
Mathematics	3	MATH 1314				3	College Algebra or equivalent
Social/Behavioral Sciences	3					3	ANTH, ECON, GEOG, PSYC, POLS, or SOCI
Visual/Performing Arts	3					3	ARTS, MUSI, or DRAM
Humanities	3					3	HUMA, LIT, PHIL, Modern or classical Lit.
Speech	6	SPCH				6	SPCH 1311, 1315, 1318, or 1321
Computer Literacy		Computer Literacy					COSC 1301 or 1401, or BCIS 1305
UHV - Institutionally Designated Option for BS Degree Objective	8	ENGL 3430*				8	Professional Writing
		SPCH		CORE			
		Computer Literacy		CORE			
		Natural science w/lab					Total=11 s.h. Natural Science (2 courses w/ lab.)
Secondary Mathematics Teacher Certification* and MATH LD Pre-reqs	20	MATH 2413*				20	8 s.h. of Calculus
		MATH 2414*					3 s.h. from Calculus III or Differential Equations
		MATH 2415* or 2420*					3 s.h. of C/C++ programming
		COSC 1436*					3 s.h. Java, Adv. C/C++ (preferred)
		COSC 1437*					
MATH UD General Requirements	21	MATH 3347*				21	Operations Research
		MATH 3391*					Probability & Statistics I
		MATH 4391*					Probability & Statistics II
		MATH 4311*					Modern Algebra
		MATH 3361*					Linear Algebra
		MATH 4310*					Fundamental Concepts of Analysis
MATH 4378*				Numerical Analysis			
MATH UD Major Requirements	18	MATH 3362*				18	Discrete Structures
		MATH 3343*					History of Mathematics
		COSC* or MATH*					9 s.h. of UD mathematics (MATH or computer science (COSC) courses by advisement. <b>Must</b> be Upper Division (excluding MATH courses not offered by the School of A & S MATH program.
		COSC* or MATH*					
		MATH 3357*					Introduction to Higher Geometry
Secondary Teacher Certification (Professional Development/Education)	24	CUIN 3323*				24	Instructional Design
		CUIN 4313*					Secondary Teaching Strategies
		CUIN 3327*					Educational Technology
		LITY 4364*					Content Area Reading and Study Skills
		INDS 3323*					Child Development & App. to Learning
		SEDU 4303*/ 4304*					Secondary School Student Teaching
		FEDU 3321*					Educational Foundations for Teaching

<b>PROJECTED TOTALS:</b>		67	134	<b>*ALL UHV courses must be a grade of "C" or better.</b>
<b>MINIMUM REQUIREMENTS:</b>		67	134	

NOTES:

s.h. = semester hours

LD = Lower Division (Community College-Level: Freshman, 1000-level /Sophomore, 2000-level)

UD = Upper Division (University-Level: Junior, 3000-level /Senior, 4000-level)

The student is responsible for fulfilling all requirements on this degree plan.

Student must earn a grade of C or better in any course, including lower division ones, that is a prerequisite to any upper division computer science or math course they take in the program. In particular, students may not transfer in any course in computer science or math with a grade of D or F.

Substitutions in this degree plan must be approved by following the same procedures as for the degree. Forms are available on the Arts & Science web site.

If a minor is elected, minor requirements are satisfied in addition to any major requirements.

This document is official only when it bears all signatures.

Must meet minimum requirements: 120 s.h. overall, 54 s.h. UD, of which last 30 s.h. must be completed at UHV.

**Computer Science and Math majors must receive a grade of C or higher in all COSC and MATH courses. Any course in which a student receives a D, F or W, must be repeated.**