

Stephen F. Austin State University



and
GRAYSON COUNTY COLLEGE
2006-07 GCC Catalog

Chemistry or Physical Science teaching certification (grades 8-12)
Bachelor of Science

GCC CORE COURSES	SFA	MAJOR REQUIREMENTS	SFA
Communication (12-13 hours)		Chemistry & Physical Science majors:	
ENGL 1301 Comp: Rhetoric & Argument	ENG 131	CHEM 1311 General Chemistry I	CHE 133*
ENGL 1302 Comp: Critical & Analytical	ENG 132	CHEM 1312 General Chemistry II	CHE 134*
ENGL 2311 Techn & Scientific Writing	ENG 273	NA No Equivalent	CHE 231
	(Note 1)	NA No Equivalent	CHE 241
		*must take CHEM 1111 and 1112 labs with 1301&1302	
Mathematics (6 hours) (Note 6)		Chemistry majors require:	
MATH 2413 Calculus I	MTH 233	3 hours from: CSC 101 or 201 or approved COSC	
MATH 2414 Calculus II	MTH 234		
Natural Sciences (8 hours) (Note 7)		Physical Science majors require:	
PHYS 2325/2125 Technical Physics I	PHY 241	3 hours from: BCIS 1405, CSC 101, 102, 201 or approved COSC	
PHYS 2326/2126 Technical Physics II	PHY 242		
Visual and Performing Arts (3 hours)		EDUC 1301 No Equivalent	SED 370 ⁸
3 hours of visual and performing arts (Note 2)		EDUC 2301 No Equivalent	EPS 380 ⁸
Humanities (3 hours)			
3 hours of humanities (Note 3)			
US/Texas History (6 hours)			
HIST 1301 US History to 1877	HIS 133 ⁴		
HIST 1302 US History 1877 to Present	HIS 134 ⁴		
Political Science/Government (6 hours)			
GOVT 2305 Amer Govt: Theory & Politics	PSC 141		
GOVT 2306 Amer Govt: Structure & Funct	PSC 142		
Social & Behavioral Science (3 hours)			
3 hours of social behavioral science (Note 5)			

Please choose 66 hours from the list above. Only 66 hours from community colleges will count towards your degree.

Note 1 The remaining 3-4 hours can be from BCM 247; SPCH 1311, COM 170; FRE 131, 132; SPAN 1411, 1412; beginning foreign language; SGNL 1401, 1402.

Note 2 Students must take a visual/performing arts course from: ARTS 1301, 1303, 1304; MUSI 1306, MUS 160; DRAM 1310; DAN 140.

Note 3 Students must take a humanities course from: ENGL 2332, 2333, 2322, 2323 or 2000-level Literature.

Note 4 Three hours of Texas history can be substituted in satisfying this requirement.

Note 5 Students must take 3 hours from GCC Core or from: ANT 231; ECON 2301, 2302; GEOG 1303, GEO 230; PSYC 2301, 2306; SOCI 1301, 2319.

Note 6 **Physical Science majors** may choose 6 hours from: MTH 139, MATH 1316, 1314, 2342 instead of 2413, 2414.

Note 7 **Physical Science majors** may take PHYS 1301 and 1302 plus labs instead of 2325, 2326 plus labs. Also requires PHY 250.

Note 8 **Physical Science teacher certification** may sub EDUC 1301 and 2301 for SED 370 and EPS 380.

SFA Office of Admissions

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Department of Chemistry

College of Sciences & Math

(936) 468-3606