

# Stephen F. Austin State University



## 2-Year Planning Guides using Texas Common Course Numbers 2011-2012 Catalog

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

TCCN CORE COURSES	SFA	MAJOR REQUIREMENTS	SFA
<b>Communication (12-13 hours)</b>		<b>Chemistry &amp; Physical Science majors:</b>	
ENGL 1301 Rhetoric & Composition	ENG 131	CHEM 1411 General Chemistry I	CHE 133
ENGL 1302 Research & Argument	ENG 132	CHEM 1412 General Chemistry II	CHE 134
	(Note 1)	NA No Equivalent	CHE 231
		<b>3 hours from:</b> BCIS 1305, CSC 101,102,201*	
		<b>*see advisor for approved BCIS/COSC substitution</b>	
<b>Mathematics (6-8 hours) (Note 6)</b>		<b>Physical Science majors require:</b>	
MATH 2413 Calculus I	MTH 233	NA No Equivalent	CHE 241
MATH 2414 Calculus II	MTH 234	EDUC 1301 No Equivalent	SED 370 <sup>8</sup>
		EDUC 2301 No Equivalent	EPS 380 <sup>8</sup>
<b>Natural Sciences (8 hours) (Note 7)</b>		PHYS 1401 Mechanics & Heat	PHY 131
PHYS 2425 Technical Physics I	PHY 241	PHYS 1402 Electricity, Sound & Light	PHY 132
PHYS 2426 Technical Physics II	PHY 242	NA No Equivalent	PHY 250
<b>Visual and Performing Arts (3 hours)</b>			
3 hours of visual and performing arts (Note 2)			
<b>Humanities (3 hours)</b>			
3 hours of humanities (Note 3)			
<b>US/Texas History (6 hours)</b>			
HIST 1301 US History to 1877	HIS 133 <sup>4</sup>		
HIST 1302 US History 1877 to Present	HIS 134 <sup>4</sup>		
<b>Political Science/Government (6 hours)</b>			
* GOVT 2301 Amer Govt: Theory & Politics	PSC 141 <sup>4</sup>		
* GOVT 2302 Amer Govt: Structure & Funct	PSC 142 <sup>4</sup>		
*Best to take both GOVT/PSC courses at the same school			
<b>Social &amp; Behavioral Science (3 hours)</b>			
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 If Core is not complete, take 6-8 hours from: BUSI 2304; ENGL 2311; SPCH 1315,1318; FREN 1411,1412; SPAN 1411, 1412; beginning foreign language; SPH 172,272. **(Note 1 is not required if Core is Complete). ENGL 2311 recommended**

Note 2 Three hours visual/performing arts from XXX Core or: ARTS 1301,1303,1304; MUSI 1306, MHL 245; DRAM 1310; DANC 2303.

Note 3 Three hours humanities from XXX Core or from: ENGL 2332,2333,2322,2323 or 2000-level Literature.

Note 4 Three hours History or Texas History from XXX Core can substitute. GOVT 2305 and 2306 will sub for PSC 141 and 142.

Note 5 Three hours from Social and Behavioral Science from XXX Core or from: ANTH 2351; ECON 2301,2302; GEOG 1303, GEO 230; PSYC 2301,2306; SOCI 1301,2319; EPS 380 (for teacher certification).

Note 6 **Physical Science majors** may choose 6 hours from: MATH 1316,1314,1348,1342 instead of 2413,2414.

Note 7 **Physical Science majors** may take PHYS 1401 and 1402 instead of 2425, 2426. Also requires PHY 250.

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

The information, though accurate for this catalog, is subject to change without notice. For additional information, contact: Office of Admissions (936)468-2504 or admissions@sfasu.edu.

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