

Stephen F. Austin State University



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

Physics; Pre-Engineering, and Physics-Engineering Dual Degree Bachelor of Science

TCCN CORE COURSES	SFA	MAJOR REQUIREMENTS	SFA
Communication (12-14 hours)		Physics requirements for all options: PHYS 1401 or 2425 and 1402 or 2426 and PHY 250 choose 1 course from: PHY 110,262 or AST 105	
ENGL 1301 Rhetoric & Composition	ENG 131		
ENGL 1302 Research & Argument	ENG 132 (Note 1)	Additional requirements for all majors: NA No Equivalent CSC 102	
Mathematics (6-8 hours)			
MATH 2413 Calculus I	MTH 233		
MATH 2414 Calculus II	MTH 234		
Natural Sciences (8 hours)		Pre-Engineering and Dual Degree curriculum: EGR 111,112, 215,250; PHY 108	
CHEM 1411 General Chem I	CHE 133		
CHEM 1412 General Chem II	CHE 134	For Petroleum Engineer: GEOL 1403, 1404	
Visual and Performing Arts (3 hours)		For Chemical Engineer: CHE 231, (CHEM 2423,2425 may sub for Organic Chem)	
3 hours of visual and performing arts (Note 2)		For Biochemical Engineer: BIOL 1411,1413; CHE 231, (CHEM 2423,2425 may sub for Organic Chem)	
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 2301 Amer Govt: Theory & Politics	PSC 141 ⁴		
* GOVT 2302 Amer Govt: Structure & Funct	PSC 142 ⁴		
*Best to take both GOVT/PSC courses at same school			
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 6-8 hours can be from BUSI 2304; SPCH 1315,1318; ENGL 2311; FREN 1411,1412; SPAN 1411, 1412; beginning foreign language; SPH 172,272. (If Core is complete, only 3-4 hrs are required)

Note 2: 3 hrs of visual/performing arts from XXX Core or: ARTS 1301,1303,1304; MUSI 1306,MHL 245; DRAM 1310; DANC 2303.

Note 3: 3 hrs of humanities from XXX Core or: ENGL 2332,2333,2322,2323 or 2000-level Lit.

Note 4: 3 hrs of History or Texas History from XXX Core can be substituted. GOVT 2305 & 2306 may sub for 2301 & 2302.

Note 5: 3 hrs of Social & Behavioral Science from XXX Core or: ANTH 2351; ECON 2301, 2302; GEOG 1303,GEO 230;

PSYC 2301, 2306; SOCI 1301, 2319; EPS 380.

This 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

Department of Physics and Astronomy
College of Sciences & Mathematics
(936) 468-3001