

Stephen F. Austin State University



and
ALVIN COMMUNITY COLLEGE
2006-07 ACC Catalog

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

ACC CORE COURSES	SFA	MAJOR REQUIREMENTS	SFA
Communication (12-14 hours)		Physics requirements for all options:	
ENGL 1301 Comp: Rhetoric & Argument	ENG 131	PHYS 1401 or 2425 and 1402 or 2426 and PHY 250	
ENGL 1302 Comp: Critical & Analytical	ENG 132 (Note 1)	choose 1 course from: PHY 110,262 or AST 105	
Mathematics (6 hours)		Additional requirements for all majors:	
MATH 2413 Calculus I	MTH 233	NA	No Equivalent CSC 102
MATH 2414 Calculus II	MTH 234		
Natural Sciences (8 hours)		Pre-Engineering and Dual Degree curriculum:	
CHEM 1411 General Chem I	CHE 133	EGR 111,112, 215; PHY 108	
CHEM 1412 General Chem II	CHE 134		
Visual and Performing Arts (3 hours)		For Petroleum Engineer:	
3 hours of visual and performing arts (Note 2)		GEOL 1403,1404	
Humanities (3 hours)		For Chemical Engineer:	
3 hours of humanities (Note 3)		CHEM 2401, (CHEM 2423,2425 may sub for Organic Chem)	
US/Texas History (6 hours)		For Biochemical Engineer:	
HIST 1301 US History to 1877	HIS 133 ⁴	BIO 131,133; CHEM 2401, (CHEM 2423,2425 may	
HIST 1302 US History 1877 to Present	HIS 134 ⁴	sub for Organic Chem)	
Political Science/Government (6 hours)			
GOVT 2301 Amer Govt: Theory & Politics	PSC 141		
GOVT 2302 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 6-8 hours can be from BCM 247; SPCH 1315,1318; ENGL 2311; FREN 1411,1412; SPAN 1411,1412; beginning foreign language; SPH 172,272.

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

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

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

Note 5 Students must take 3 hours from: ANTH 2351; ECON 2301, 2302; GEOG 1303, GEO 230; PSYC 2301,2306; SOCI 1301,2319.

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