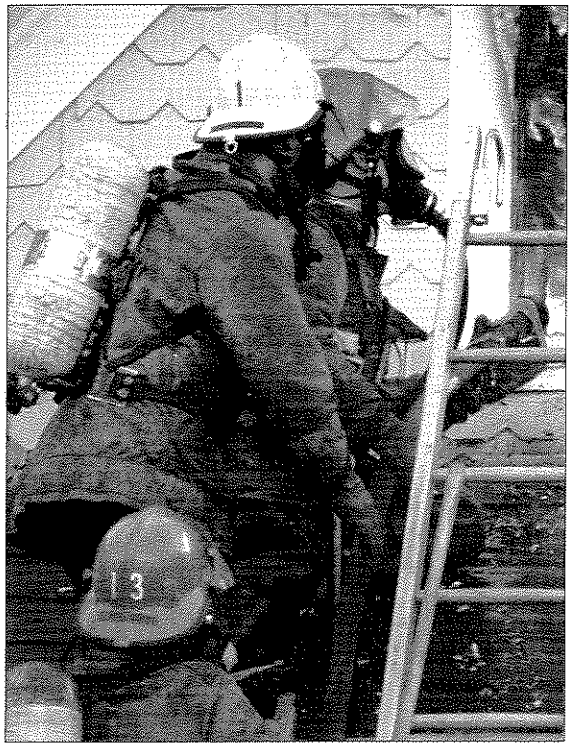

Bachelor of Science Program

Construction Engineering Technology
Fire Protection Flex Program

This program is intended for incoming freshmen or transfer students who wish to pursue a bachelors degree.

First Year

First Semester

CET 1250	Construction Drawing	3
CET 1270	Introduction to Construction	3
ENGL 1160	English Composition	3
+MATH 1340	College Algebra & Trig	4
SPCH 1110	Public Speaking Fundamentals	3
		16

Second Semester

CET 2250	Computational Analysis	3
CET 2900	Electrical Systems for Buildings	3
MATH 1950	Calculus	5
PHYS 1110	General Physics	4
PHYS 1154	General Physics Lab	1
		16

Second Year

First Semester

CET 2000	Construction Surveying I	3
CET 2300	Concrete Technology	3
GET 2120	Statics	3
GET 2140	Technical Report Writing	3
PHYS 1120	General Physics	4
PHYS 1164	General Physics Lab	1
		17

Second Semester

CET 2110	Construction Business Methods	3
CET 2180	Soil Technology	3
GET 2130	Strength of Materials	3
*Science elective (FPT 1600)		3
Required Tech. elective (graphics)		3
Required cultural diversity elective		3
		18

Third Year

First Semester

CET 2500	Construction Economy	3
CET 2300	Concrete Technology	3
CET 3160	Construction Specs and Estmtg	3
CET 3290	Dsgn and Constr. of Steel Bldgs	3
*CET 3910	App. Dynamics & Fluid Mech.	3
Required Tech. elective (skills & methods)		3
		18

Second Semester

CET 3330	Plan. and Schedule Tech.	3
ECON 2200	Principles of Econ. (micro)	3
MATH 1530	Intro. to App. Prob. & Stats	3
Required Tech. elective (skills & methods)		3
Required Tech. elective (design)		3
Social/behavior science elective		3
		18

Fourth Year

First Semester

ECON 2220	Principles of Econ. (Macro)	3
Required Technical elective (skills & methods)		6
Required Technical elective (design)		3
Required cultural diversity elective		3
		15

Second Semester

*CET 4140	Accident Prevention in Const	3
*CET 4200	Personnel & Superv. Methods	3
CET 4650	Adv. Estmtg and Bidding Tech	3
Required Tech. elective (design)		3
Humanities/fine arts elective		3
		15

TOTAL CREDIT HOURS FOR B.S.E.T. 133

CET/FPT Concentration technical elective courses shall be selected from the following list:

Technical elective (graphics):

student is required to select one class - 3 hours

CET 2260	Structural & Bldg. Drawing	3
CET 2280	Mech. & Electrical Drawing	3

Technical elective (skills & methods):

student is required to select four classes - 12 hours

FPT 2520	General Insurance	3
FPT 2320	Firefighter Health and Welfare	3
FPT 2410	Fire Strategy and Tactics	3
FPT 1510	Hazardous Materials Management	3
FPT 2200	Fire Codes and Inspection	3
FPT 2310	Fire Protection Systems	3

Technical elective (design):

student is required to select three classes - 9 hours

CET 3420	Piping Systems	3
CET 4450	HVAC Systems	3
CET 3900	Power Distribution	3
FPT 2990	Fire Service Research	3
**FPT 4470	Fire and Security Control	3

***Note:** FPT 2100, 2300 and 2310 substitutions require adviser approval.

**Course being developed.

+In place of MATH 1340, the student can elect to enroll in MATH 1320 College Algebra and MATH 1330 Trigonometry. Credit shall not be given for both MATH 1340 and MATH 1320/1330.