SAFETY ENGINEERING - CERTIFICATE

The Safety Engineering Certificate prepares the graduate for positions in several areas of safety engineering.

Students must complete 15 semester credit hours of specified courses to earn a Safety Engineering Certificate. The Safety Program (https://engineering.tamu.edu/academics/certificates/safety.html) coordinator reviews each student's coursework prior to certification.

Students should complete and submit a certificate application to the Mary Kay O'Connor Process Safety Center (246 Jack E. Brown Engineering Building) prior to registering for any of the certificate courses.

Program Requirements

Code	Title	Semester Credit Hours
SENG 310	Fundamentals of Safety Engineering	3
SENG 312	System Safety Engineering	3
or SENG 32	or Safety Management Systems	
Select one of the following:		3
SENG 430/ CHEN 430	Risk Engineering	
SENG 460/ CHEN 460	Quantitative Risk Analysis in Safety Engineering	
SENG 660	Risk Engineering	
Select two of the following:		6
BAEN 477/ MEEN 477	Air Pollution Engineering	
ISEN 330	Human Systems Interaction	
MSEN 446	Corrosion Prevention and Control Methods	
NUEN 309	Radiological Safety	
SENG 312	System Safety Engineering	
SENG 321	Safety Management Systems	
SENG 422	Consequence and Impact Analysis	
SENG 430/ CHEN 430	Risk Engineering	
SENG 455/ CHEN 455	Process Safety Engineering	
SENG 460/ CHEN 460	Quantitative Risk Analysis in Safety Engineering	
SENG 485	Directed Studies	
Total Semester Credit Hours		**15**