

# 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/	Risk Engineering	
CHEN 430		
SENG 460/	Quantitative Risk Analysis in Safety	
CHEN 460	Engineering	
SENG 660	Risk Engineering	
Select two of the following:		6
BAEN 477/	Air Pollution Engineering	
MEEN 477		
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	Fire Protection Engineering - Facilities Design	
SENG 430/	Risk Engineering	
CHEN 430		
SENG 455/	Process Safety Engineering	
CHEN 455		
SENG 460/	Quantitative Risk Analysis in Safety	
CHEN 460	Engineering	
SENG 485	Directed Studies	
<b>Total Semester Credit Hours</b>		<b>15</b>