SAFETY IN SEMICONDUCTOR PROCESSING - CERTIFICATE

Safety in Semiconductor Processing equips graduates with the skills necessary to safely handle both chemicals and processes associated with semiconductor manufacturing. Supporting the ever-increasing demand for machine learning, artificial intelligence and cloud computing constant increase in the production of semiconductors and integrated chips, the safe and reliable production of which needs both reactive and proactive safety strategies. The graduates of this program will not only be able to render existing processes safe, but will have the opportunity to establish safety principles in many areas of semiconductor processing as they undergo constant expansion and innovation.

This program is also approved for delivery via asynchronous or synchronous distance education technology.

Program Requirements

Code	Title	Semester Credit Hours
CHEN 675	Microelectronics Process Engineering	3
CHEN 649	Nanomaterials for Energy Conversion	3
or SENG 64	or Vapor Phase Techniques for Semiconductor Manufacturing	
Select from the following:		6
SENG 640	Material Safety in Semiconductor Manufacturing	
SENG 641	Process Safety in Semiconductor Manufacturing	
SENG 655/ CHEN 655	Process Safety Engineering	
Total Semester Credit Hours		**12**