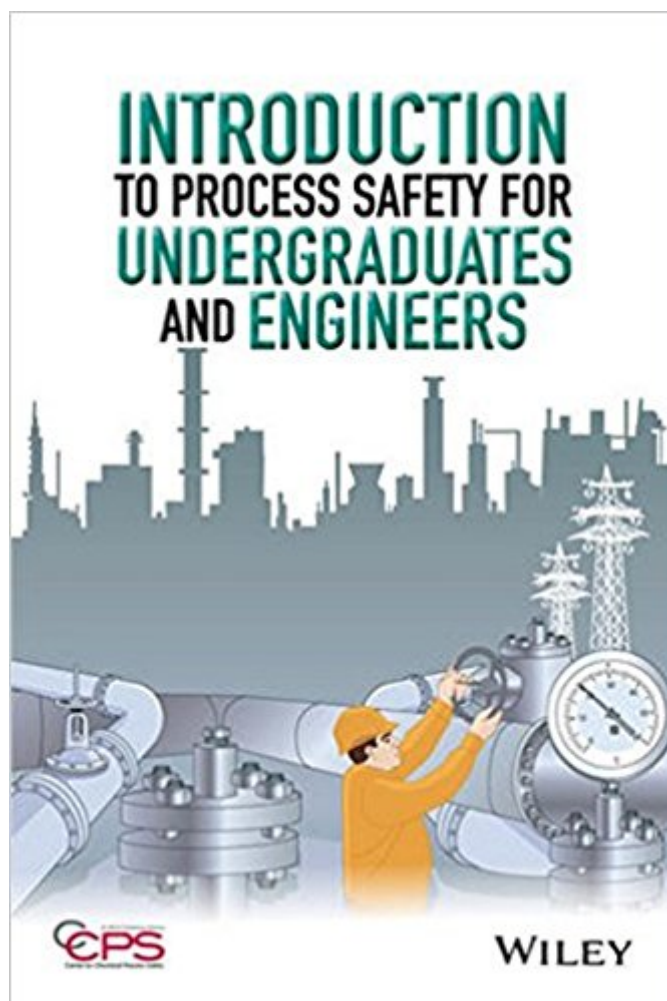


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# Introduction To Process Safety For Undergraduates And Engineers



## Synopsis

Familiarizes the student or an engineer new to process safety with the concept of process safety management Serves as a comprehensive reference for Process Safety topics for student chemical engineers and newly graduate engineers Acts as a reference material for either a stand-alone process safety course or as supplemental materials for existing curricula Includes the evaluation of SACHE courses for application of process safety principles throughout the standard Ch.E. curricula in addition to, or as an alternative to, adding a new specific process safety course Gives examples of process safety in design

## Book Information

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## Customer Reviews

Familiarizes the student or an engineer new to process safety with the concept of process safety management Process Safety should be introduced to chemical engineering students and newly graduate engineers to make them effective in their future chemical engineering career. Many student engineers do not have the necessary knowledge of process safety to adequately address process safety concerns and this book fills this need providing a reference for many aspects of chemical process safety. Introduction to Process Safety for Undergraduates and Engineers provides guidance to student chemical engineers and newly graduated engineers to the role of process safety plays in process plants. Introduction to Process Safety for Undergraduates and Engineers familiarizes readers new to process safety with: The concept of process safety management (PSM) The 20 elements of process safety defined by the Center for Chemical Process Safety (CCPS) The

need for process safety as illustrated by examples of major process safety incidents that have occurred Process safety tasks for other engineering disciplines Process safety concerns with some selected unit operations Aspects of process safety that have a direct tie-in to existing chemical engineering curricula Tasks that can be expected of an engineer new to process safety with respect to process safety in their first few years on the job While other texts exist covering the technical aspects of process safety for students there are no textbooks that cover the concepts of process safety management and the need for process safety for students. The CCPS Technical Steering Committee initiated the creation of this book to assist colleges and universities in meeting this challenge and to aid Chemical Engineering programs in meeting recent accreditation requirements for including process safety into the chemical engineering curricula. Graduate level Chemical Engineering students and engineers new to process safety will find this a valuable resource to understand the concepts of process safety management.

Since 1985, the Center for Chemical Process Safety (CCPS) has been the global leader in developing and disseminating information on process safety management and technology. CCPS, an industry technology alliance of the American Institute of Chemical Engineers (AIChE), has published over 100 books in its process safety guidelines and process safety concepts series, and over 100 training modules through its Safety in Chemical Engineering Education (SACHE) series.

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