



Course Title: SChE Certificate Program – Inherently Safer Design

Course ID:	Course Type:
ELA905	eLearning Course
http://www.aiche.org/ela905	

Course Outline

- **Module 1:** Introduction into Inherently Safer Design
- **Module 2:** Inherently Safer Design and Conflicts and Decisions
- **Module 3:** Checklist for Inherently Safer Chemical Reaction Process Design and Operation
- **Module 4:** Lock out Tag out, Interface Management, Reactive Material Hazards
- **Module 5:** Measuring Inherent Safety, Health and Environmental Characteristics Early in Process Development
- **Module 6:** Integrated Inherent Safety Index (I2SI): A Tool for Inherent Safety Evaluation
- **Module 7:** An Inherent Safety-based Incident Investigation Methodology
- **Module 8:** Implementing Inherently Safer Design in an Existing Plant
- **Module 9:** Inherently Safer Technology: An Evolutionary Approach
- **Module 10:** Incorporation of Inherent Safety Principles in Process Safety Management