

## **2018 CCPS Proposed Project**

**Proposal No.:** 1802

**Title:** Develop a Training Program for “Process Safety for Undergraduates and Engineers” book

**Proposal:** Develop a Training Program to compliment the 2016 Introduction to “Process Safety for Undergraduates and Engineers” book. This comprehensive training program would be used in conjunction with the CCPS book to aid both students and professors. Since its publication in June 2016, this book has been one of CCPSs best sellers, and numerous universities have asked for training material to supplement the text.

**Benefits:** A training curriculum associated with the book, populated by using open source and SChE material, as well as newly developed courses and exercises will accelerate the introduction and understanding of Process Safety concepts for graduating and new engineers. Format will vary, but should include both online and classroom modules.

**Team Composition:**

Industry representation should include a blend of information technology and operating technology personnel, along with training experts and representation from both AIChE Academy and the university academic community will be needed.

**Product:** A comprehensive training outline, with references to existing training materials, and a roadmap for development of new materials.

**Recommended Development Approach:**

Prepare an outline of curriculum, identifying existing resources, and prioritizing new product development.

**Audience:** Chemical Engineering Professors and Associate Professors, Student Boot Camp Instructors, University undergraduates in ChE programs, company in-house training for new engineers.

**Time:** 12-18 months for the initial product, 3 – 5 years of ongoing work to complete curriculum.

**Cost Recovery Potential:**

Product sales, increased academy participation.

**Sponsor:** Jerry Forest, Celanese

**Champion:** Bruce Vaughan, CCPS

**Potential Reference Materials:**

- Select CSB Videos
- Select SChE Materials