

Course Title: DIERS Basic Emergency Relief System Design

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| Course ID: | Course Type: |
| CH172VTL | Instructor-led Virtual Course |
| https://www.aiche.org/academy/courses/ch172vtl/basic-emergency-relief-system-design-virtual | |

Course Schedule

Each day classes start 9:30 am EST and end 2:30 pm EST. Login to WebEx training center 15 minutes before classes start. There will be a half hour lunch break around 12 and short breaks incorporated during class.

| No. | Topic | Time per Section, min | Day |
|-----|---|-----------------------|-------|
| 01 | Introduction to DiERS and the Basic ERS Design Course | 79.84 | Day 1 |
| 02 | Terminology, Codes & Standards, Guidelines | 184.25 | |
| 03 | Overpressure Protection Devices | 98.27 | Day 2 |
| 04 | Material and Energy Balances for ERS Design | 27.64 | |
| 05 | Fluid Flow 1 | 89.05 | |
| 05 | Fluid Flow 2 | 89.05 | Day 3 |
| 06 | Vapor / Liquid Disengagement | 66.46 | |
| 07 | Overview of ERS Design | 101.01 | |
| 08A | Fire Scenario | 74.43 | Day 4 |
| 08B | Distillation | 38.84 | |
| 08C | Thermal Expansion | 46.13 | |
| 08E | Flow Imbalances | 19.42 | |
| 08D | Heat Exchangers | 67.98 | |

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| 09 | Chemical Reactive Hazards | 101.97 | |
| 11A | Installation and Maintenance | 33.99 | Day 5 |
| 11B | Safety Instrumented Systems | 33.99 | |
| 11C | Effluent Handling | 38.84 | |