



UW–Madison Engineering Professional Development **Process Safety and Management Professional Certificate**

Pursue the Process Safety Management Professional (PSMP) certificate and gain the skills necessary to succeed when implementing and improving process safety management and risk management plan programs. This unique certificate program is specifically designed for PSM Coordinators in ammonia refrigerated facilities.

Successful PSM Coordinators must have a solid understanding of ammonia refrigeration technology as well as the related regulations including process safety management (PSM) and risk management planning (RMP). In addition, PSM Coordinators also need an understanding of document management systems, the fundamentals of technical leadership, and management skills. This certificate program is designed to equip PSM Coordinators with the knowledge to be successful in carrying out their role and responsibilities in ammonia refrigerated facilities.



PSMP Certificate Benefits

- Proactively and effectively manage PSM compliance programs
- Positively impact business by reducing regulatory, environmental, safety and health risks in ammonia refrigerated facilities
- Recognize the special constraints, regulations, design principles and best practices, technologies, and business practices that are applicable in the field of industrial refrigeration
- Be more effective managing and leading technical teams without direct lines of authority
- Be better equipped to manage and coordinate work on the covered process
- Experience personal and professional enrichment

Core Courses | Complete Five

- Introduction to Ammonia Refrigeration Systems
- Process Safety Management Audits for Compliance and Continuous Safety Improvement
- Principles and Practices of Mechanical Integrity for Industrial Refrigeration Systems
- Process Hazard Analysis (Emphasizing Ammonia Refrigeration Systems)
- Ammonia Refrigeration System Safety

Elective Courses | Complete One

- Intermediate Ammonia Refrigeration Systems
- Design of Ammonia Refrigeration Systems for Peak Performance and Efficiency
- Leadership Beyond Your Team: Managing Up and Across
- Financial Acumen for the Engineer
- Engineered Safety Relief Systems
- Engineering Calculations for PSM and RMP

Candidates are required to successfully pass a final examination at the completion of each course. Exams will be administered online (core and elective).

PSMP Certificate Features

- PSMP candidates must complete five core courses and one elective course.
- All courses are offered and delivered jointly by the University of Wisconsin-Madison's internationally-recognized Industrial Refrigeration Consortium (IRC) and Engineering Professional Development.
- Most courses are classroom-based and three days in length.
- Course fees average \$1,350 per course.
- IRC members receive a \$200 per course discount.

Who Should Pursue the PSMP Certificate?

If you want to increase your knowledge and effectiveness at managing the PSM/RMP programs for your ammonia refrigerated facility, this certificate program is for you. Whether you are new in a role as a PSM Coordinator or you are more experienced, the PSMP will help you do your job more effectively.

Learn More

To learn more, contact
psmp@epd.wisc.edu, 800-462-0876

Visit us online at

epd.wisc.edu/PSMP



Engineering
Professional Development

COLLEGE OF ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON

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Process Safety Management Professional Certificate Courses*
September 2020 to January 2021

Classroom Courses	Sept	Oct	Nov	Dec	Jan	2021
CORE COURSES (5)						
Ammonia Refrigeration System Safety						Apr 7-9 #U447
Introduction to Ammonia Refrigeration Systems		5-9^ #T909				Mar 3-5 #U445
Principles and Practices of Mechanical Integrity			2-6^ #T860			
Process Hazard Analysis	20-22^ #U449					
Process Safety Management Audits					20-22 #U444	
ELECTIVES (1)						
Design of Ammonia Refrigeration Systems	13-17^ #U448					
Engineered Safety Relief Systems (IRC)						TBD
Engineering Calculations for PSM and RMP						Mar 24-26 #U446
Financial Acumen for the Engineer						TBD
Intermediate Ammonia Refrigeration Systems			Nov 30 – Dec 4 #T910			
Leadership Beyond Your Team: Managing Up and Across						TBD

^ online course

*To register, or for more information, check out epd.wisc.edu/psmp or email custserv@epd.wisc.edu
Courses may be taken individually without an obligation to completing the certificate.