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
# Process Safety Management Professional Certificate Courses*

*January 2020 to December 2020*

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<th>Classroom Courses</th>
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*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.*