



UW–Madison Interdisciplinary Professional Programs **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
- 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 Interdisciplinary Professional Programs.
- 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@interpro.wisc.edu, 608-262-6381

Visit us online at

interpro.wisc.edu/PSMP



Interdisciplinary
Professional Programs

COLLEGE OF ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON

705 Extension Building, 432 North Lake Street Madison, Wisconsin 53706
Phone: 800.462.0876 or 608.262.2061 • Fax: 608.263.3160 • Online: interpro.wisc.edu

Process Safety Management Professional Certificate Courses*

January 2023 to June 2023

Classroom Courses	Jan	Feb	Mar	Apr	May	Jun
Core Courses						
<u>Ammonia Refrigeration System Safety</u>				5-7* #C657		
<u>Introduction to Ammonia Refrigeration Systems</u>			8-10* #C655			
<u>Principles and Practices of Mechanical Integrity</u>						
<u>Process Hazard Analysis</u>						
<u>Process Safety Management Audits</u>	18-20* #C654					
Electives						
<u>Design of Ammonia Refrigeration Systems</u>						
<u>Engineering Safety Relief Systems</u>						
<u>Engineering Calculations for PSM and RMP</u>			29-31* #C656			
<u>Intermediate Ammonia Refrigeration Systems</u>						
<u>Leadership Beyond Your Team: Managing Up and Across</u>						

* in-person course

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



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