

**37th Annual**

# **Wisconsin Commercial Building Code Refresher**

**February 18–20, 2008**

**Alliant Energy Center  
(Exhibition Hall)  
Madison, Wisconsin**

***Our region's largest  
forum bringing together  
architects, planners and  
engineers***

**Co-sponsored by the Wisconsin  
Department of Commerce**



THE UNIVERSITY  
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Department of Engineering Professional Development  
432 North Lake Street Madison, Wisconsin 53706

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THE UNIVERSITY  
of  
**WISCONSIN**  
MADISON

**COLLEGE OF ENGINEERING ■ DEPARTMENT OF ENGINEERING PROFESSIONAL DEVELOPMENT**

**37th Annual**

**Wisconsin**

**Commercial Building  
Code Refresher  
February 18–20, 2008**

**Alliant Energy Center  
(Exhibition Hall)  
Madison, Wisconsin**

- Our region's largest forum bringing together architects, planners and engineers
- In-depth coverage of the newly adopted Wisconsin Commercial Building Code
- Co-sponsored by the Wisconsin Department of Commerce

**37th Annual**

# Wisconsin Commercial Building Code Refresher

## **37th Consecutive Year!**

The 2008 version of the *Wisconsin Commercial Building Code Refresher* marks the 37th consecutive year that the University of Wisconsin–Madison has teamed with the Wisconsin Department of Commerce to present this outstanding program. Since 1971, the Code Refresher has provided current, hands-on information to architects, planners and engineers to help them to effectively understand and use the Wisconsin Commercial Building Code (WCBC). Started by Phil Bennett, the Code Refresher has developed into an important forum for professionals from different disciplines.

## **Flexible Program**

Each day you will be able to choose from any one of three concurrent sessions. In addition, there will be a plenary session each morning at which leaders of the Wisconsin Department of Commerce, Division of Safety and Buildings will provide you with highlights of the latest trends and developments in the Wisconsin Commercial Building Code.

## **Get Your Questions Answered**

Experts from the Wisconsin Department of Commerce and the International Code Council will be available throughout the Refresher to answer your questions. You will have many formal and informal opportunities to interact with our presenters.

## **Learn From Experts**

Each session will have presentations by experts from either the Wisconsin Department of Commerce or the International Code Council. Many sessions will have both. You will hear presentations by nationally recognized experts on the International Building Code (IBC), the International Mechanical Code (IMC), the International Existing Building Code (IEBC), the International Energy Conservation Code (IECC) and the International Fuel Gas Code (IFGC), as well as health care facilities.

## **Who Should Attend**

The Code Refresher is designed for architects, planners, engineers and builders. It will provide the specifics of the Wisconsin Commercial Building Code to those persons actively involved in the design, construction, maintenance or inspection of buildings.

## **Earn While You Learn!**

For each day you attend, you will earn 7 AIA LU (Health, Safety and Welfare) or .7 CEU. Attend all three days and earn 21 LU (2.1 CEU).

## **Enrollment Options**

You can choose to attend all three days or attend any one or two of the days. See the enrollment form for details. Multiple attendees from the same firm or agency are eligible for a discount. For information on the multiple attendee discount, contact Howard Rosen, program director, at [rosen@engr.wisc.edu](mailto:rosen@engr.wisc.edu) (or call him at 800-462-0876).

## **New Code Scheduled To Go Into Effect**

On March 1, 2008, the new Wisconsin Commercial Building Code will officially go into effect. Attend the Code Refresher and have the opportunity to hear first-hand from key representatives of the Wisconsin Department of Commerce. You will find out about the new provisions, what has changed and why.

## **New Two-Day Comprehensive: Navigating the 2008 WCBC**

This new two-day session will provide attendees with a comprehensive review of the WCBC, including all the component codes, Wisconsin administrative rules and amendments. The solutions to many design problems can be found by referencing the appropriate codes. This comprehensive two-day overview will provide attendees with an understanding of regulatory tools and how they are applied so owners and designers can find solutions quickly and effectively.

## **Course Materials**

Each day, course attendees will receive a notebook with copies of the PowerPoint presentations for each session, enabling attendees to follow the discussions and take notes. Attendees will also receive additional reference materials. We will not, however, provide copies of the 2006 IBC codebook. You may wish to bring your own copy to the course. They will not be readily available for purchase on-site.

## **Special Offer!**

Through a special arrangement with the International Code Council, all enrollees will receive a complimentary copy of the valuable workbook, *Analysis of Changes: 2000 IBC to 2006 IBC*. The regular bookstore price of this book is \$28.

# Wisconsin Commercial Building Code Refresher

## Schedule

### Monday, February 18

**7:00 Registration and Continental Breakfast**

Alliant Energy Center (Exhibition Hall)  
1919 Alliant Energy Center Way  
Madison, Wisconsin

**8:00 Opening General Session  
Wisconsin Department of  
Commerce Welcome**

Gregory C. Jones, Administrator  
Division of Safety and Buildings  
Wisconsin Department of  
Commerce

**9:15 Concurrent Sessions  
A, B, and C**

**Session A: Egress and  
Accessibility**

Phil Hahn

- Occupant load
- Egress width
- Stairways, corridors
- Exit number, enclosures
- Accessible means of egress
- Scoping requirements
- Accessible entrances
- Dwelling, sleeping units

**Session B: Health Care  
Facilities**

Jon Cechvala, Wade Rudolph,  
David Soens

- Understanding the 2006 AIA guidelines
- Making the Life Safety Code (LSC) work with the IBC
- New electrical submittal requirements
- Interim life safety
- Understanding the plan review process
- Updates from the DHFS

**Session C: Navigating the  
2008 Wisconsin Commercial  
Building Code**

Henry Kosarzycki

- Understanding the structure of the WCBC
- Applying the WCBC regulations to the:
  - International Building Code (IBC)
  - International Existing Building Code (IEBC)
  - International Energy Conservation Code (IECC)
  - International Mechanical Code (IMC)
  - International Fuel Gas Code (IFGC)

**12:00 Lunch (provided)**

**1:00 Concurrent Sessions Continue**

**Session A: Egress and  
Accessibility**

Phil Hahn

**Session B: Health Care  
Facilities**

Jon Cechvala, Wade Rudolph,  
David Soens

**Session C: Navigating the  
2008 Wisconsin Commercial  
Building Code**

Henry Kosarzycki

**5:00 Daily Adjournment**

### Tuesday, February 19

**7:00 Registration and Continental  
Breakfast**

Alliant Energy Center (Exhibition Hall)  
1919 Alliant Energy Center Way  
Madison, Wisconsin

**8:00 Opening General Session  
Wisconsin Department of  
Commerce Update**

Robert DuPont, Bureau Director,  
Program Development

Division of Safety and Buildings  
Wisconsin Department of  
Commerce

Randy Baldwin, Bureau Director,  
Integrated Services

Division of Safety and Buildings  
Wisconsin Department of  
Commerce

## Enroll Together and Save!

Multiple enrollees from the same firm or agency are eligible to receive a fee discount. For information on this discount, contact Howard Rosen, program director, at 800-462-0876, or e-mail [rosen@engr.wisc.edu](mailto:rosen@engr.wisc.edu)

**9:15 Concurrent Sessions  
D, E, and F**

**Session D: Mechanical Provisions**

*John Spalding, Peter Zak*

- Changes in the 2006 Wisconsin IMC and IECC
- Answering FAQ about the IMC
- Changes in residential provisions IECC
- Changes in commercial building envelope requirements IECC
- New commercial lighting requirements
- Combustion and vent sizing requirements per IFGC
- Gas piping and installation per IFGC

**Session E: Special Uses and Hazards**

*Jim Smith, Edwin J. Ruckriegel*

- Recognizing hazardous materials
- Safe handling of hazardous materials
- Understanding control areas and MAQs
- Spill control
- Explosion control
- IFC references in the WCBC
- Effective handling of combustible storage

**Session F: Navigating the 2008 Wisconsin Commercial Building Code**

*Henry Kosarzycki*

- Solving design problems by referencing the appropriate codes
- Expedited review and permitting
- Finding answers to design problems
- Recognizing design options

**12:00 Lunch (provided)**

**1:00 Concurrent Sessions Continue**

**Session D: Mechanical Provisions**

*John Spalding, Peter Zak*

**Session E: Special Uses and Hazards**

*Jim Smith, Edwin J. Ruckriegel*

**Session F: Navigating the 2008 Wisconsin Commercial Building Code**

*Henry Kosarzycki*

**5:00 Daily Adjournment**

**Wednesday, February 20**

**7:00 Registration and Continental Breakfast**

Alliant Energy Center (Exhibition Hall)

1919 Alliant Energy Center Way  
Madison, Wisconsin

**8:00 Opening General Session  
Wisconsin Department of  
Commerce:**

**Current Initiatives and Future Trends**

*Robert DuPont, Bureau Director,  
Program Development*

Division of Safety and Buildings  
Wisconsin Department of  
Commerce

*Randy Baldwin, Bureau Director,  
Integrated Services*

Division of Safety and Buildings  
Wisconsin Department of  
Commerce

*Henry Kosarzycki, Program  
Manager*

Division of Safety and Buildings  
Wisconsin Department of  
Commerce

**9:15 Concurrent Sessions  
G, H, and I**

**Session G: New Structural Provisions: Changes from the 2003 IBC**

*John Henry*

- Loads: dead, live, snow, seismic and wind
- Structural test and special inspections
- Foundations
- Masonry, steel and wood

**Session H: Existing Buildings**

*Ken Larsen, Jim Quast*

- Prescriptive compliance methods for evaluation
- Application of Level I, II, and III alterations
- Applying IEBC to historic buildings
- Fire-resistive construction
- Wisconsin modifications to the IEBC

**Session I: Fire-Resistive, Fire Prevention**

*Terrell Stripling*

- Wall assemblies: types, separation and fire rating
- Opening protection
- Smoke assemblies
- Penetrations
- Automatic sprinklers
- Standpipes
- Fire alarms
- Smoke control

**12:00 Lunch (provided)**

**1:00 Concurrent Sessions Continue**

**Session G: New Structural Provisions: Changes from the 2003 IBC**

*John Henry*

**Session H: Existing Buildings**

*Ken Larsen, Jim Quast*

**Session I: Fire-Resistive, Fire Prevention**

*Terrell Stripling*

**5:00 Final Adjournment**

# Wisconsin Commercial Building Code Refresher

## Speakers

**Jon F. Cechvala**, Architect, Eppstein Uhen Architects. For more than 24 years, Jon was a staff architect and Life Safety Code engineer for the Hospitals and Health Services Section, Bureau of Quality Assurance, State of Wisconsin, Division of Health and Family Services. At Eppstein Uhen Architects, he assists clients with the design and construction coordination of health care facilities in Wisconsin. Jon has served on the 2001 and 2006 AIA code committee that publishes the Guidelines for Design and Construction of Hospitals and Medical Facilities.

**Phil Hahn**, Senior Staff Architect, ICC Chicago District Office. Phil's responsibilities include providing code interpretations, conducting building and accessibility plan reviews, instructing seminars and authoring/reviewing instructional materials. His 22 years of professional experience include 15 years of architectural experience in the Chicago area as a design and/or project architect. At ICC he has served as staff liaison to the Accessibility Certification Advisory Committee.

**John R. Henry PE**, Principal Staff Engineer, International Code Council (ICC), Business and Product Development Department. John has responsibility for research and development of technical resources pertaining to the structural engineering provisions of the code. He has a broad range of experience that includes structural design in private practice, plan check engineering with consulting firms and building department jurisdictions. He is an ICC Certified Plans Examiner.

**Henry Kosarzycki AIA**, Program Manager, Division of Safety and Buildings, Wisconsin Department of Commerce. As agent municipality liaison and auditor for the DOC, Henry provides code training throughout Wisconsin. Before joining the State, he worked for a major construction company in the design-build industry and as a plan reviewer for the City of Milwaukee. He is currently the chair of the AIA National Codes and Standards Committee and a member of the International Building Code Council. Henry also has served AIA-Wisconsin as director-at-large and is past president of the Southeast Chapter of AIA-Wisconsin.

**Ken Larsen CBO**, President, National Code Consultants. Ken's administrative, multi-disciplined code consulting organization offers comprehensive services for building departments and private entities. With more than 25 years of experience in code administration and enforcement, he is a nationally recognized expert on the technical aspects of model code and enforcement procedures. He holds eight ICC certifications including Certified Building Official and Certified Professional Code Administrator.

**Jim Quast**, Program Manager, Safety and Buildings Division, Wisconsin Department of Commerce. A Wisconsin registered architect, Jim has been employed by the Division since 1976 and has been involved with the Division's code/program development activities since 1980. As program manager, his responsibilities include administrative rule development under the commercial building code in the areas of mechanical systems, energy conservation, alterations and changes in occupancy. Jim has also been involved with the plumbing code, the POWTS code, the multi-family dwelling code, and the credentialing code.

**Edwin J. Ruckriegel**, Fire Marshal, City of Madison Fire Department, Madison, Wisconsin. As fire marshal, he is responsible for fire inspection, fire protection engineering, community education and administrative support functions of the Department. Ed has more than 25 years of experience in the fire service and close to 20 years of experience in fire code enforcement. He has served as a member of several state code development councils, including the Commercial Building Code Council and Multi-Family Dwelling Code Council. He is a certified Building Inspector and certified Fire Inspector.

**Wade Rudolph**, Director of Plant Operations, Sacred Heart Hospital, Eau Claire, Wisconsin. Wade has served as chair of the Code and Standards Committee of the Wisconsin Healthcare Engineers Association. He has an extensive background in healthcare administration and biomedical electronics. He is recipient of the 2007 ASHE Region 6 Leader Award.

**James B. Smith PE**, Program Manager, Commercial Building Program, Safety and Buildings Division, Wisconsin Department of Commerce. Jim worked with a consulting engineering firm, a general contractor, and the federal government before joining the State. He has been an active participant in the process of adopting, implementing and updating the model codes used as the Wisconsin Commercial Building Code. He has been a member of several ICC code development committees.

**David R. Soens PE, RA**, Engineering Consultant, Wisconsin Department of Health and Family Services. Dave is the engineering consultant to the Department for hospitals, nursing homes, and community-based residential facilities, ensuring that these facilities are in compliance with state, local and federal statutes and regulations. He is also the Department's liaison to the federal Centers for Medicare and Medicaid Services agency.

**John A. Spalding**, Section Chief, La Crosse/Hayward Office, Safety and Buildings Division, Wisconsin Department of Commerce. John is also the matrix chief for Commercial Chapters 63, 64 and 65, as well as for the Energy Conservation, HVAC and Fuel Gas chapters of the Wisconsin Commercial Building Code. He works with a team of professionals to provide statewide clarification and consistency to these areas of the code.

**Terrell Stripling**, ICC Instructor. Terrell has 20 years of fire service experience and has also worked in the construction industry. He holds a degree from Oklahoma State University in fire protection and safety engineering technology. His teaching combines his experience in fire prevention and code management with an ability to effectively communicate a proactive philosophy. Terrell utilizes the theory of the codes along with examples of hands-on, practical applications to effectively demonstrate how to design better buildings and safer communities.

**Peter Zak PE**, Principal, Graef, Anhalt, Schloemer and Associates, Inc. Peter directs GASAI's mechanical, electrical and plumbing projects and the firm's design engineers. He has over 20 years of experience with the design of mechanical systems. He has also been an adjunct professor at the Milwaukee School of Engineering (MSOE), where he developed and taught a series of courses on the design of mechanical building systems.

### **Upcoming Courses of Interest**



*Fundamentals of Seismic Design*  
April 21–23, 2008, Madison, WI  
Course #J464

*Effective Construction Contract and Field Administration*  
March 10–13, 2008, Madison, WI  
Course #J918

*Commissioning Process for Building Assemblies and Systems*  
April 17–18, 2008, Madison, WI  
Course #J503

*Building Mechanical Systems*  
April 21–22, 2008, Madison, WI  
Course #J606

*Effective Planning, Zoning and Land-Use Management*  
May 5–7, 2008, Madison, WI  
Course #J143

*Introduction to the 2006 International Building Code for Design Professionals*  
May 13–14, 2008, Madison, WI  
Course #J693

*Introduction to the Structural Provisions of the 2006 International Building Code*  
May 15–16, 2008, Madison, WI  
Course #J694

#### **For information on these and other courses:**

Visit <http://epd.engr.wisc.edu/>  
Call 800-462-0876  
E-mail [custserv@epd.engr.wisc.edu](mailto:custserv@epd.engr.wisc.edu)

# Wisconsin Commercial Building Code Refresher

## Lodging Information

### Clarion Suites Madison-Central

2110 Rimrock Road

(connected to the Exhibition Hall at Alliant Energy Center)

\$62/single, \$72/double

Call 608-284-1234 by January 17 and mention Wisconsin Building Code Refresher

### Holiday Inn Express

722 John Nolen Drive

(across from Alliant Energy Center)

\$75 single/double

Call 800-465-4329 or 608-255-7400 by January 17 and mention Wisconsin Building Code Refresher

### Sheraton Madison Hotel

706 John Nolen Drive

(across from Alliant Energy Center)

\$99 single/double

Call 608-251-2300 by January 18 and mention Wisconsin Building Code Refresher

### Super 8 Motel

1602 West Beltline Highway

(3 miles from Alliant Energy Center)

\$62 single

Call 608-258-8882 by January 18 and mention Wisconsin Building Code Refresher

## Course Site

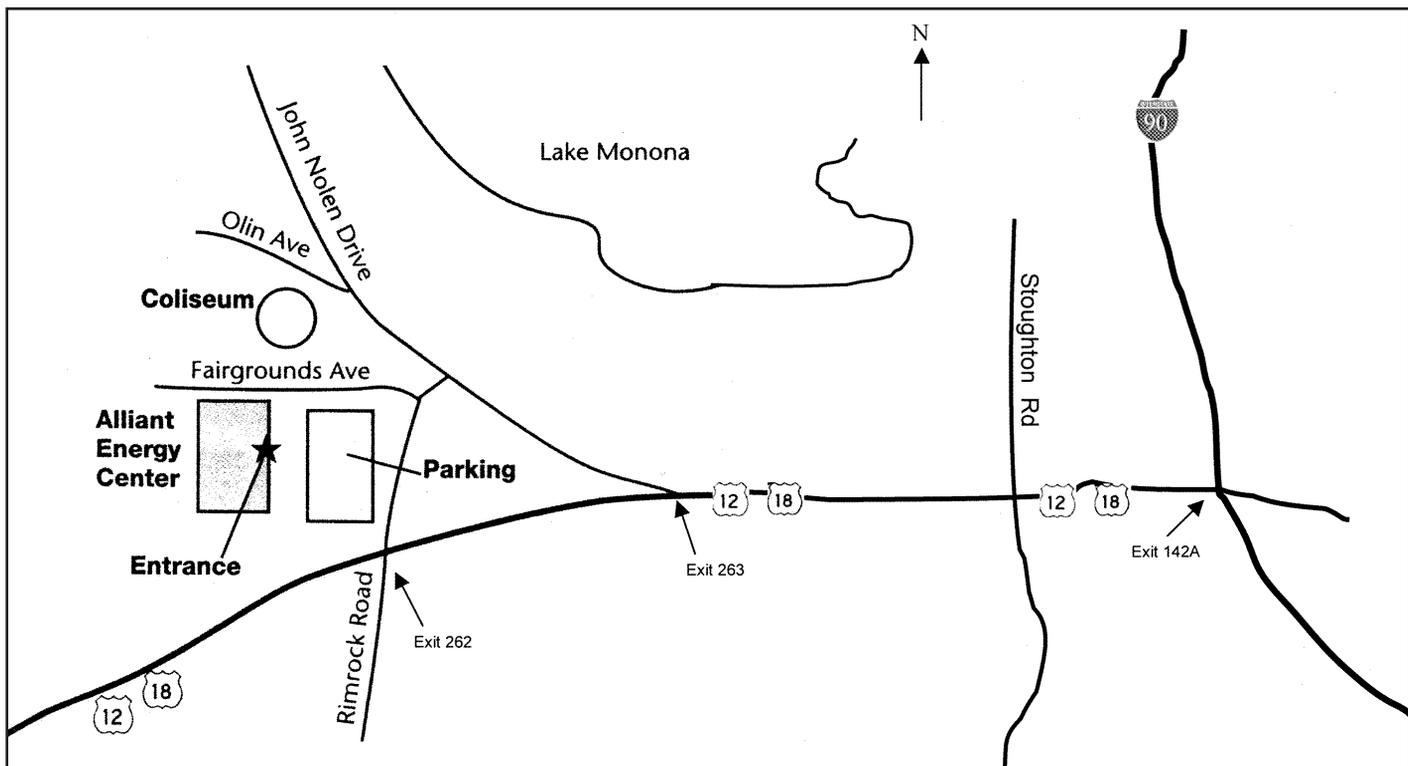
The Alliant Energy Center (Exhibition Hall) is located on the southern edge of Madison, just off the Beltline Highway (Hwy 12 and 18), on John Nolen Drive.

From the NORTH on I-90/94... Where 90 and 94 split, stay on I-90 to Chicago and Janesville. After 4 miles, take exit 142A onto Hwy 12/18 (Beltline) west to Madison. After 5 miles, you'll see the white dome roof of the Coliseum building on your right; take the John Nolen exit (Exit #263).

From the SOUTH on I-90... Exit 142A onto Hwy 12/18, proceed as above.

From the EAST on I-94... At Madison, get onto I-90/94 to Janesville and Chicago, then proceed as above.

From the WEST... Get onto the Beltline, Hwy 12/18 going east; exit at Rimrock Road (Exit #262).



## Four Easy Ways to Enroll

### Need to Know More?

Call toll free **800-462-0876** and ask for

#### Program Director:

Howard Rosen PhD  
rosen@engr.wisc.edu

#### Program Associate:

Gail Geib  
ggeib@engr.wisc.edu

Or e-mail **custserv@epd.engr.wisc.edu**

### General Information

**Fee Covers** Notebook, course materials, break refreshments, lunches, and certificate.

**Location** The Alliant Energy Center, Exhibition Hall, 1919 Alliant Energy Center Way, Madison, Wisconsin.

**Parking** Your fee payment covers parking at the Alliant Energy Center. Spaces will be available in the lot next to the Center.

**Cancellation** If you cannot attend, please notify us by February 11, and we will refund your fee. Cancellations received after this date and no-shows are subject to a \$150 administrative fee. You may enroll a substitute at any time before the course starts.

**Continuing Education Credits** You will earn .7 Continuing Education Units (CEU) or 7 AIA Learning Units (LU) for each day that you attend, up to a maximum of 2.1 CEU/21 LU.

### Team Discounts Available

Multiple enrollees from the same firm or agency are eligible to receive a fee discount. For information on this discount, contact Howard Rosen, program director, at 800-462-0876, or e-mail rosen@engr.wisc.edu



**Phone:**  
**800-462-0876** or  
608-262-1299 (TDD 265-2370)



**Internet:**  
<http://epd.engr.wisc.edu/webJ500>

**Mail to:**

Engineering Registration, The Pyle Center  
702 Langdon Street, Dept. 108  
Madison, Wisconsin 53706



**Fax:**

**800-442-4214** or 608-265-3448



#### Course Information

To enroll in **Course #J500 Wisconsin Commercial Building Code Refresher**, please check the appropriate box below:

##### All three days:

\$695 (Monday, Tuesday, Wednesday, February 18–20, 2008):

##### Two days:

\$495 (Monday-Tuesday, February 18 & 19, 2008)

\$495 (Tuesday-Wednesday, February 19 & 20, 2008)

\$495 (Monday and Wednesday, February 18 & 20, 2008)

##### One day:

\$295 (Monday, February 18, 2008)

\$295 (Tuesday, February 19, 2008)

\$295 (Wednesday, February 20, 2008)

**Note:** Each registrant receives a complimentary copy of the *Analysis of Changes: 2000 IBC to 2006 IBC*.

#### Personal Information (Please print clearly.)

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone (\_\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_\_) \_\_\_\_\_

E-mail \_\_\_\_\_

#### Additional Enrollees

Name \_\_\_\_\_

Title \_\_\_\_\_

E-mail \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

E-mail \_\_\_\_\_

#### Billing Information

Bill my company  P.O. or check enclosed (Payable in U.S. funds to UW–Madison)

Cardholder's Name \_\_\_\_\_

Card No. \_\_\_\_\_ Expires \_\_\_\_\_

UW#

**Important—please enter the 3-digit UW# Code from the mailing label.**

Please check the box if you are a person with a disability and desire special accommodations. A customer service representative will contact you. Requests will be kept confidential.