Course No. JN101  
**Course Provider:** Joe Nagan: Home Building Technology Services  
**Course Title:** Pushing the Envelope: Trends in Energy Efficiency  
**Course Description:** This session will take a look at a demonstration home built in 2010 as an educational event for the Wisconsin Builders Association. This home was titled: “The Trend Home” and was featured on Alliant Energy’s TV show POWER-HOUSE. This new home project shows what can be done using readily available building products while employing building techniques familiar to the industry. In an effort to examine the potential energy savings of each feature employed extensive computer modeling was done at the design stage. There were features used that addressed typical heating & cooling energy use but went after others not often looked at such as: water heating, lighting, water conservation, laundry conservation and ventilation system energy use. By the way, this home is all electric and has no natural gas hookup. After 2 years of operation the home owner reported back as to just how well the home worked and lived. They reported on each technology used to give us reliable first hand feedback. This was truly a learning experience!  
*Approved 1.5 Hours Dwelling Contractor Qualification (submitted)*

Course Number: KW101  
**Course Provider:** Kolbe Windows & Doors  
**Course Title:** Glass Performance for Today’s Building Codes & Designs  
**Course Description:** Learn how glass aides in energy efficiency; how certain types of glass can protect you from theft, UV rays, impact; what are some of the new innovative coatings for glass; and what are today's technological advances in glass.  
*Approved AIA/CES Credits: 1 LU/HSW Hour, Dwelling Contractor Qualification 1 CE credit (submitted)*

Course Number: KW102  
**Course Provider:** Kolbe Windows & Doors  
**Course Title:** Replicating Windows & Doors for Historical Renovations  
**Course Description:** Learn the benefits of preserving and/or restoring existing buildings; history of the window in early American Architecture; historically approved light and glazing options, finishes and casings; and who are the players having jurisdiction for Historical Renovation projects and Tax Incentives for these projects.  
*Approved AIA/CES Credits: 1 LU/HSW Hour, Dwelling Contractor Qualification 1 CE credit (submitted)*

Course Number: KW103  
**Course Provider:** Kolbe Windows & Doors  
**Course Title:** Finishing Touches: Enhancements, Options & Trends for Windows & Doors  
**Course Description:** Learn what are the current options for windows and doors that gives Architects unique design flexibility; what are the benefits to the Design Professional and to the Customer from state of art enhancements for windows and doors; and how do these new window & door trends affect the green movement and universal design.  
*Approved AIA/CES Credits: 1 LU/HSW Hour, Dwelling Contractor Qualification 1 CE credit (submitted)*
Course Number: KW104
Course Provider: Kolbe Windows & Doors
Course Title: Sustainable & Energy Efficient Windows & Doors: Contribution to Green Buildings
Course Description: Learn how quality windows and doors can contribute to sustainable green design due to their durability and energy-efficient technology; what are the different "Green Building" voluntary rating systems and how do they affect the selection of windows and doors; learn the importance of selecting the right windows and doors to meet the benefits of environmental stewardship; and reinforce the advantages of "Green Building" and its benefits to the environment, economy, health, and community.
Approved AIA/CES Credits: 1 LU/HSW Hour, Dwelling Contractor Qualification 1 CE credit (submitted)

Course Number: KW105 Course Provider: Kolbe Windows & Doors
Course Title: Tour of Manufacturing Plant Only
Course Description: Learn what are the state of the art manufacturing techniques in producing windows and doors; how windows and doors are put together and what components are used; and to see the spatial requirements needed for a facility producing windows and doors housing 1700 employees.
Approved AIA/CES Credits: 3 LU/HSW Hours, Dwelling Contractor Qualification 3 CE credits (submitted)

Course Number: WS101
Course Provider: Wausau Supply Company
Course Title: CertainTeed Roofing
Course Description: Master Shingle Applicator Program. This course does a basic product overview of CertainTeed Shingles and then covers basic installation techniques.
Approved Dwelling Contractor Qualification 1 CE credit

Course Number: WS102
Course Provider: Wausau Supply Company
Course Title: CertainTeed Vinyl Siding
Course Description: This course is a basic overview of the CertainTeed product line and covers basic installation techniques.
Approved Dwelling Contractor Qualification 1 CE credit

Course Number: WS103
Course Provider: Wausau Supply Company
Course Title: Azek/Timbertech Decking
Course Description: The Evolution of Decking -Wood to Composites to PVC. This is a brief history of the decking industry and then a focus on understanding the features/benefits of these products to make sure the end user gets the right product based on their needs, wants and budgets.
Approved Dwelling Contractor Qualification 1 CE credit

Course Number: WS104
Course Provider: Wausau Supply Company
Course Title: Exterior Door Installation
Course Description: This course is designed to walk step by step through the proper installation of an exterior door including flashing and air sealing details.
Approved Dwelling Contractor Qualification 1 CE credit
Course Number:  WS105  
Course Provider: Wausau Supply Company  
Course Title: Diamond Kote Prefinish  
Course Description: We’d have to modify this to allow it to fit the allotted time. Topics Include : the Diamond Kote process, substrate choices, installation and warranty.  
Approved Dwelling Contractor Qualification 2 CE credit

Course Number: WS106  
Course Provider: Wausau Supply Company  
Course Title: Entry Door Systems  
Course Description: Topics include door styles, door options, door components, and installation tips and tricks.  
Approved Dwelling Contractor Qualification 1 CE credit

Course Number:  WS107  
Course Provider: Wausau Supply Company  
Course Title: Interior Doors  
Course Description: Topics include: interior door styles, components, Trim-N-Time system, and installation details.  
Approved Dwelling Contractor Qualification 1 CE credit

Course Number: CM101  
Course Provider: County Materials  
Course Title: Cast Stone Today: Manufacturing Technologies, Construction Methods and Architectural Design  
Course Description: This course is intended to provide an overview of cast stone as a building material. This presentation covers historical development of cast stone masonry and its distinct classification by physical characteristics, manufacturing technologies and techniques, and industry standards.  
Approved AIA/CES Credits: 1 LU/HSW Hour

Course Number: CM102  
Course Provider: County Materials  
Course Title: Burnished Concrete Masonry- Construction, Materials & Methods  
Course Description: Construction techniques, materials and methods are explored to ensure successful burnished applications.  
Approved AIA/CES Credits: 1 LU/HSW Hour

Course Number: CM103  
Course Provider: County Materials  
Course Title: Concrete Brick- Construction, Materials & Methods  
Course Description: An overview of concrete brick properties and attributes; comparison to alternative products;_ proper assembly and construction_ practices; sustainable attributes; and aesthetic use in architecture.  
Approved AIA/CES Credits: 1 LU/HSW Hour

Course Number: CM104  
Course Provider: County Materials  
Course Title: Permeable Paver Systems  
Course Description: Ecological advantages are the focus of permeable paver systems; explore impacts of runoff and compliance with current storm water management regulations.  
Approved AIA/CES Credits: 1 LU/HSW/SD Hour
Course Number: LDS101
Course Provider: Lumber Dealers Supply/Tyvek/Dupont
Course Title: Protecting Buildings with Hybrid Insulation/WRB & Flashing
Course Description: Learn the importance of continuous thermal barrier and air sealing of exterior wall for improved comfort and energy efficiency. Understand the drying characteristics of thermal exterior barriers and how they impact sustainability and energy efficiency. Learn national building and model energy codes and impact on Wisconsin thermal requirements.
Approved: Dwelling Contractor Qualification, Commercial building inspector, UDC Building inspector, Professional Engineer 2 CE credits

Course Number: LDS102
Course Provider: Lumber Dealers Supply/Tyvek/Dupont
Course Title: Flashing Windows & Doors
Course Description: Understand the importance of proper flashing techniques for exterior wall penetrations to obtain window warranty and 10 year whole house material and labor warranty for weatherization.
Approved: Dwelling Contractor Qualification, Commercial building inspector, UDC Building inspector, Professional Engineer 1-1/2 CE credit

Course Number: SST101
Course Provider: Simpson StrongTie
Course Title: Anchoring Products and Proper Techniques of Installation
Course Description: Overview of Mechanical Anchors, Overview of Chemical Anchors, ACI Requirements now and in the near future. Proper Installation Techniques, Powder Actuated and Gas Tools, Overview of safety &Types of Fasteners.
Approved AIA/CES Credit: 1-1/2 LU Hours, Dwelling Contractor Qualification 1-1/2 CE credits
Commercial building inspector, UDC Building inspector, Professional Engineer 1-1/2 CE credits

Course Number: SST102
Course Provider: Simpson StrongTie
Course Title: Repair, Strengthen and Protection of Concrete
Course Description: Overview of products that Simpson now carries used for patching, overlays, crack injection, crack filling, grouting including all the basics you will need to know.
Approved AIA/CES Credit: 1-1/2 LU Hours, Dwelling Contractor Qualification 1-1/2 CE credits
Commercial building inspector, UDC Building inspector, Professional Engineer 1-1/2 CE credits

Course Number: BA101
Course Provider: Burton-Anderson/Ferguson
Course Title: InSinkErator Residential Hot Water Dispensers
Course Description: Covers the operations for hot water dispensers in residential kitchens. Options will be shown for styles and sizes of faucets.
Approved: Commercial Plumbing Inspector Certification, Journeyman Plumber License, Journeyman Plumber-Restricted Appliance License, Master Plumber License, Master Plumber License-Restricted Appliance License- 1 hour

Course Number: BA102
Course Provider: Burton-Anderson/Ferguson
Course Title: InSinkErator Disposer Systems
Course Description: Course will cover residential garbage disposers, how they work, and proper operation. Internal parts will be discussed and the difference between models.
Approved: Journeyman Plumber License, Master Plumber License- 1 hour

Course Number: BA103
Course Provider: Burton-Anderson/Ferguson
Course Title: Sanitary Yard Hydrants & Commercial Roof Top Hydrants (Woodford Mfg.)
Course Description: This course reviews Wisconsin State codes as they apply to yard and roof hydrants. State compliant hydrants will be shown and discussed
Approved: Journeyman Plumber License, Master Plumber License- 1-1/2 hour

Course Number: BA104
Course Provider: Burton-Anderson/Ferguson
Course Title: Lawn & Wall Faucets, Hose Bibs, and Wall Hydrants (Woodford Mfg.)
Course Description: This course reviews Wisconsin State codes as they apply to hose bibs and freeze-less wall faucets. State compliant examples will be shown and discussed
Approved: UDC-Plumbing Inspector, Journeyman Plumber License, Master Plumber License- 1 hour

Course Number: HPM101
Course Provider: High Prairie Marketing
Course Title: Malarkey Shingle Application Training
Course Description: This course is intended to educate on the manufacturing of oxidized asphalt shingles and also SPS modified asphalt shingles in today's market place. The presentation will give a brief overview of the history of asphalt shingles and new technologies in the asphalt shingle industry.
Approved: Dwelling Contractor Qualification 1 Hour

Course Number: HPM 102
Course Provider: High Prairie Marketing
Course Title: Quarrix Attic Ventilation Application Training
Course Description: This course is intended to educate on the ventilation technologies in today's market place. The presentation will give a brief overview of how to properly ventilate a house using a balanced ventilation system.
Approved: Dwelling Contractor Qualification 1-1/2 Hour

Course Number: Wausau 101
Course Provider: City of Wausau Inspections Department
Course Title: Deck Related Code Issues
Course Description: New code requirements, charts and interpretations (that will be coming through from the State) for footings, posts, beams, ledger, joist, bracing, deck boards, stairs and rails being used for a deck.
Approved: Dwelling Contractor Qualification, UDC-Construction Inspector Certificate 2 Hours

Course Number: W101
Course Provider: Jack Wotruba, DSPS
Course Title: Review of the UDC (Uniform Dwelling Code) website and Technical Question submittals and Interpretations
Course Description: The program will focus on UDC code interpretations, utilizing our updated website, Department changes & updates, etc.
Approved: Dwelling Contractor Qualification – Initial and Continuing Ed. -1.5 Hours
<table>
<thead>
<tr>
<th>CWCC COURSE SCHEDULES</th>
<th>TRACK A</th>
<th>TRACK B</th>
<th>TRACK C</th>
<th>TRACK D</th>
<th>TRACK E</th>
<th>TRACK F</th>
</tr>
</thead>
<tbody>
<tr>
<td>REGISTRATION &amp; BREAKFAST</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(7:00-8:00)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HOUR 1 (8:00-9:00)</td>
<td>WS105</td>
<td>LDS102</td>
<td>CM101</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>HOUR 2 (9:15-10:15)</td>
<td>TBA</td>
<td>TBA</td>
<td>WAUSAU 101</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>HOUR 3 (10:30-11:30)</td>
<td>KW101</td>
<td>SST101</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>LUNCH (11:30-1:30)</td>
<td>JOE NAGAN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JN101</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HOUR 4 (1:30-2:30)</td>
<td>KW102</td>
<td>CM102</td>
<td>SST102</td>
<td>WS101</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>HOUR 5 (2:45-3:45)</td>
<td>KW103</td>
<td>LDS101</td>
<td>HPM101</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>HOUR 6 (4:00-5:00)</td>
<td>KW104</td>
<td>HPM102</td>
<td>WS102</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td>CWCC COURSE SCHEDULES</td>
<td>TRACK A</td>
<td>TRACK B</td>
<td>TRACK C</td>
<td>TRACK D</td>
<td>TRACK E</td>
<td>TRACK F</td>
</tr>
<tr>
<td>-----------------------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td><strong>REGISTRATION &amp; BREAKFAST</strong> (7:00-8:00)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HOUR 1 (8:00-9:00)</strong></td>
<td></td>
<td>HPM102</td>
<td>BA101</td>
<td>WS103</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td><strong>HOUR 2 (9:15-10:15)</strong></td>
<td></td>
<td></td>
<td>BA102</td>
<td>CM103</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td><strong>HOUR 3 (10:30-11:30)</strong></td>
<td></td>
<td>HPM101</td>
<td>BA104</td>
<td>WS104</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td><strong>LUNCH (11:30-1:30)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>JACK WOTRUBA</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>JW101</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>HOUR 4 (1:30-2:30)</strong></td>
<td></td>
<td>WS106</td>
<td>BA103</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td><strong>WAUSAU 101</strong></td>
<td></td>
<td></td>
<td></td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td><strong>HOUR 5 (2:45-3:45)</strong></td>
<td></td>
<td>CM104</td>
<td></td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
<tr>
<td><strong>HOUR 6 (4:00-5:00)</strong></td>
<td></td>
<td>WS107</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
</tr>
</tbody>
</table>