

# SEA-WI

# Newsletter

February 2012

## ***Continuing Education for Wisconsin PE's by Jason Gross***

The Engineers Section has adopted a new rule requiring all Wisconsin Professional Engineers to complete Continuing Education courses every two years (a biennium) in order to maintain licensure. This rule took effect on January 1, 2012. The rule requires all Professional Engineers to comply with the continuing education requirements for the 2014 renewal as dictated by the rule. **In other words, between July 1, 2012 and July 31, 2014 licensees will need to fulfill the Continuing Education requirements in order to renew their license in 2014.** A copy is included at the end of this newsletter.

What we believe this accomplishes is it maintains the high-caliber class of engineers in Wisconsin, and provides accountability that all engineers need to keep current in the latest codes, technologies, and best practices. It is also a step to enhance the protection of public health, safety, and welfare. This rule did not just happen, but was the result of many PE's and fellow organizations diligent work. The rule started as the proposed assembly bill 181 by the Committee on Labor and Industry on May 30, 2007. The bill was passed by the assembly floor on October 24, 2007, and later by the state senate on January 16, 2008. The bill moved to the Governor's office, and became an act on February 8, 2008. It is important to recognize **Chuck Kopplin, P.E.** of WSPE and GRAEF, and also **Brad Volker, P.E.** of WSPE and Cooper Engineering who were instrumental in the development of this legislation.

SEA-WI is committed to providing accredited Continuing Education Credits (CEU's) in a convenient and economical way, with topics that are relevant to Structural Engineering for buildings. **This is accomplished through providing seminars on a bi-monthly basis and through our yearly technical conference.** The membership dues collected are used to subsidize CEU presentation costs. When the membership continues to grow, the organization can bring more top-notch presentations to Wisconsin while keeping the price reasonable for our members to attend.



**Chuck Kopplin, P.E.**





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## ***"Top Engineer" Casting Call***

The Discovery Channel is looking for America's most creative and daring techies, machinists, inventors and engineers to design, build, and BLAST their way to a Grand Prize on their new competition TV show **TOP ENGINEER**.

You don't need to have an engineering degree to compete on this show, but you **MUST** be able to design, build, test and integrate an idea into a final product that **WORKS**. These will be fast-paced, hands-on, **VISCERAL** challenges! If your experience is strictly behind the keyboard, then this show is **NOT** for you.

They are looking for visual effects experts, accomplished home shop machinists, contractors and engineers with backgrounds in electrical, civil, **structural** or mechanical engineering.

The Deadline to submit is March 7, 2012. For more information, please visit [www.pilgrimstudios.com/casting/topengineer](http://www.pilgrimstudios.com/casting/topengineer) for more information.

## ***A Plea for Public (Gov't) SE's...***

The professional environment has changed drastically in the public sector, and ASCE wants to be sure that they are helping engineers face new conditions. In order to do this, ASCE is asking for your assistance to complete a key research initiative.

ASCE will be preparing a white paper summary of the results to share with public engineers so that they will be able to gain insight into your membership from this project.

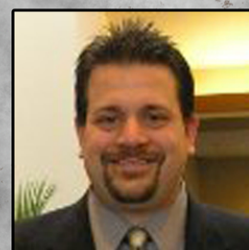
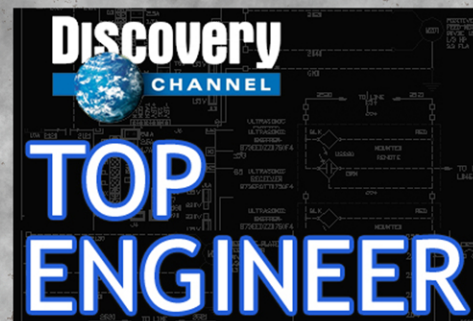
Please contact Pat Natalie at [pnatale@asce.org](mailto:pnatale@asce.org) if you are in the public sector and a Structural Engineer.

## ***For your information...***

SEA-WI Member, **James Gerloff**, has left Computerized Structural Design and has started his own consulting firm called the **J3 Engineering Group**. Currently his firm is specializing in Precast Engineering and Precast Connections. He is looking for entry level structural engineers to hire.

See [www.j3engineers.com](http://www.j3engineers.com) for more information.

**Save the Date... The SEA-WI 2012 TECHNICAL CONFERENCE is on APRIL 27th!**



**James Gerloff,  
SEA-WI Member**



**SEA-WI Sponsor**

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[www.sea-wi.org](http://www.sea-wi.org)

## Chapter A–E 13

### CONTINUING EDUCATION FOR PROFESSIONAL ENGINEERS

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A–E 13.05	Standards for approval.	A–E 13.10	Late renewal.

**A–E 13.01 Authority and purpose.** The rules in this chapter are adopted under the authority in ss. 15.08 (5) (b), 227.11 (2), and 443.015, Stats., and govern biennial continuing education for professional engineer registrants.

**History:** CR 11–014; cr. Register December 2011 No. 672, eff. 1–1–12.

**A–E 13.02 Definitions.** As used in this chapter:

(1) “Biennium” means a 2–year period beginning August 1 of each even–numbered year.

(2) “College semester hour” means receiving credit for completing a regularly offered course in a school or college of engineering accredited by the EAC/ABET that has testing with a passing grade required and has provisions for additional out–of–class study requirements. Credit for college approved courses will be based upon course credit established by the college. One “college semester hour” equals 45 PDHs. Monitoring or auditing courses that do not require regular testing with a passing grade will only count the actual class contact hours.

(3) “College quarter hour” means receiving credit for completing a regularly offered course in a school or college of engineering accredited by the EAC/ABET that has testing with a passing grade required and has provisions for additional out–of–class study requirements. Credit for college approved courses will be based upon course credit established by the college. One “college quarter hour” equals 30 PDHs. Monitoring or auditing courses that do not require regular testing with a passing grade will only count the actual class contact hours.

(4) “Continuing education” means the planned, professional development activities designed to contribute to the advancement, extension and enhancement of the professional skills and scientific knowledge of the registrant in the practice of professional engineering. Regular duties are not considered qualifying activities.

(5) “Continuing education unit” or “CEU” means a unit of credit customarily used for continuing education courses. One “continuing education unit” equals 10 PDHs.

(6) “Course” or “activity” means any qualifying “course” or “activity” with a clear purpose and objective that will maintain, improve, or expand the skills and knowledge relevant to the registrant’s practice of professional engineering.

(7) “EAC/ABET” means the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology.

(8) “Professional development hour” or “PDH” means a period of 50 minutes of actual instruction or participation spent by the registrant in actual attendance or completion of an approved educational activity. “PDHs” should be rounded down to the nearest half hour and reported in increments of half hour with no activity of under a half hour being acceptable as qualifying for “PDH” credit. “PDHs” shall not exceed the actual contact clock hours of actual attendance.

**History:** CR 11–014; cr. Register December 2011 No. 672, eff. 1–1–12.

**A–E 13.03 Continuing education requirements.**

(1) (a) Beginning in the biennial registration period commencing

August 1, 2012 and ending July 31, 2014, unless granted a waiver under s. A–E 13.08, every registrant shall complete at least 30 hours of approved PDHs or equivalent continuing education units, pertinent to the practice of professional engineering, except that between initial registration and the first renewal period, a new registrant shall not be required to comply with the continuing education requirements for the first renewal of registration.

(b) During each biennial registration period, the registrant shall complete a minimum of 2 PDHs in the area of professional conduct and ethics.

(c) During each biennial registration period, credit for a minimum of 13 PDHs shall be obtained via courses where the registrant interacts in real time in a traditional classroom setting, computer conferencing, or interactive video conference where participants are present in the same room or logged in at the same time and can communicate directly with each other and ask questions of the instructor.

(d) If a registrant obtains more than 30 PDHs in a biennium, a maximum of 15 of the excess PDHs may be used toward the continuing education requirement in the next biennium. Excess credits cannot be used to satisfy the requirements of par. (b) or (c).

(2) Continuing education may be obtained through any of the following means:

(a) Completing courses taken at a school or college of engineering accredited by the EAC/ABET.

(b) Completing short courses or tutorials and distance education courses offered through correspondence, DVDs, or the internet.

(c) Presenting or attending qualifying seminars, in–house courses, workshops, or professional or technical presentations made at meetings, conventions, or conferences.

(d) Teaching or instructing in pars. (a) to (c). PDHs may only be counted for the initial offering or presentation of a course or program. Full–time faculty may not claim PDHs for teaching done as part of their regular duties. For teaching in pars. (a) to (d), multiply the PDHs earned by a factor of 2.

(e) Authoring published papers, articles, or books in the registrant’s area of professional practice that has been published in book form or in circulated journals or trade magazines. Five PDHs will be granted in the biennium in which each publication occurred. For peer reviewed papers, articles, or books in the registrant’s area of professional practice, 10 PDHs will be granted in the biennium in which each publication occurred.

(f) Actively participating in professional and technical societies. A maximum of 2 PDHs will be awarded for active participation as an officer or committee member in any one society in any one year. A maximum of 4 PDHs may be obtained under this paragraph in any biennium. PDHs are not earned until the end of each year of service is completed.

(g) Attainment of a patent relevant to the registrant’s area of professional practice. Ten PDHs will be awarded for each patent.

(3) Except as provided in s. A–E 13.08, a professional engineer who fails to meet the continuing education requirements by the renewal date, as specified in s. 440.08 (2) (a) 35., Stats., may



not engage in the practice of professional engineering until the registration is renewed in accordance with ss. A-E 2.05 and 13.10.

History: CR 11-014: cr. Register December 2011 No. 672, eff. 1-1-12.

**A-E 13.04 Examples of qualifying activities.** The following are examples of qualifying activities:

(1) Completing or attending courses, seminars, instruction, in-house programs, or training of engineering content related to the registrant's practice of professional engineering.

(2) Attending technical or professional society meetings when an engineering topic is presented as a principal part of the program.

(3) Teaching a course for the first time or teaching a course previously taught if substantial time was spent in updating material.

(4) Attending webinar courses where attendance is verified and program material meets the requirements.

(5) Completing correspondence courses on an engineering topic where lessons are prepared and returned for correction, grading, or both, and where testing at the end of the course is required.

History: CR 11-014: cr. Register December 2011 No. 672, eff. 1-1-12.

**A-E 13.05 Standards for approval.** (1) To be approved for PDHs, a continuing education program shall meet all of the following criteria:

(a) The program includes instruction in an organized method of learning contributing directly to the professional competency of the registrant and pertaining to subject matters which integrally relate to the practice of the profession.

(b) The program is conducted by individuals who have specialized education, training, or experience and are considered qualified concerning the subject matter of the program.

(c) The program fulfills pre-established goals and objectives.

(d) The program provides attendance verification records in the form of completion certificates or other documents supporting evidence of attendance.

(2) The professional engineer section has final authority with respect to acceptance of activities, courses, credit, PDH value for courses, and other methods of earning PDHs, except the following are examples of accepted providers for continuing education programs:

(a) Colleges, universities, or other EAC/ABET approved educational institutions approved by the professional engineer section.

(b) Continuing education courses meeting all the requirements of the International Association for Continuing Education and Training.

(c) Technical or professional societies or organizations as approved by the professional engineer section or its designee.

(d) Other providers as approved by the professional engineer section or its designee.

History: CR 11-014: cr. Register December 2011 No. 672, eff. 1-1-12.

**A-E 13.06 Certificate of completion; proof of attendance.** (1) Each registrant shall certify on the renewal application full compliance with the continuing education requirements set forth in this chapter.

(2) The professional engineer section may conduct a random audit of its registrants on a biennial basis for compliance with these requirements. It is the responsibility of each registrant to retain or otherwise produce evidence of compliance.

(3) If a request for evidence of compliance is requested by the professional engineer section or its designee, the registrant shall submit the requested information or documentation within 30

days of receiving the written notice. Failure to do so will result in denial of registrant's application for renewal.

History: CR 11-014: cr. Register December 2011 No. 672, eff. 1-1-12.

**A-E 13.07 Recordkeeping.** (1) A registrant shall maintain records of their continuing education units and PDHs earned for a minimum of the 3 most recent biennia on a form approved by the professional engineer section.

(2) Records required include but are not limited to attendance verification records in the form of completion certificates or other documents supporting evidence of attendance.

(3) If a continuing education course was awarded CEUs, the CEUs shall be converted by the applicant or registrant to PDHs for recordkeeping purposes.

History: CR 11-014: cr. Register December 2011 No. 672, eff. 1-1-12.

**A-E 13.08 Waiver of continuing education.** (1) A renewal applicant who is unable to fully comply with the continuing education requirements due to extreme hardship may submit a written request for a waiver. The professional engineer section or its designee will review the request, and in its sole discretion, may grant a full or partial waiver, or extension of time to comply with the requirements.

(2) In this section, "extreme hardship" means an inability to fulfill the continuing education requirements during the applicable renewal period because of one of the following:

(a) Full-time service in the uniformed services of the United States for a period of at least one year during the biennium.

(b) An incapacitating illness documented by a statement from a licensed physician.

(c) A physical inability to travel to the sites of approved programs documented by a licensed physician.

(d) Any other extenuating circumstances acceptable to the professional engineer section.

(3) A renewal applicant may not receive a waiver under sub. (2) (b) or (c) for 2 consecutive biennia.

(4) A renewal applicant who has maintained an active Wisconsin license for a minimum of 30 consecutive years may, at the discretion of the professional engineer section or its designee, receive a waiver upon request and certification that the applicant has retired from the profession and is no longer receiving remuneration for providing professional engineering services.

(5) A renewal applicant who receives a waiver under sub. (4) may not engage in the practice of professional engineering until he or she meets the requirements of s. A-E 13.10.

(6) A renewal applicant, who prior to the expiration date of the license submits a request for a waiver, pays the renewal fee and provides a statement setting forth the facts concerning noncompliance and the basis of the request, shall be deemed to be in good standing until the final decision on the application is issued by the professional engineer section. If a finding of extreme hardship is not determined, an applicant may not engage in the practice of professional engineering until he or she meets the requirements of s. A-E 13.10.

History: CR 11-014: cr. Register December 2011 No. 672, eff. 1-1-12.

**A-E 13.09 Comity.** An applicant for registration from another state who applies for registration to practice professional engineering under s. A-E 4.09 (2), shall submit proof of completion of 30 PDHs of qualifying continuing education that complies with the requirements of ch. A-E 13 within the 2 year period prior to their application.

History: CR 11-014: cr. Register December 2011 No. 672, eff. 1-1-12.

**A-E 13.10 Late renewal.** A renewal applicant who has failed to renew his or her credential by the established renewal date shall obtain all required PDHs and submit a record with information as specified under s. A-E 13.07 prior to the registrant's registration being renewed. If the total delinquent PDHs exceed

60 for all renewal periods since their last renewal, then 60 shall be the maximum required for late renewal. An applicant who has failed to be registered for a period greater than 5 years shall be subject to the provisions of s. [A-E 2.05 \(2\)](#).

**History:** [CR 11-014](#); cr. [Register December 2011 No. 672](#), eff. 1-1-12.