

# ASPE DFW Newsletter

February 2024



## President: Brett McQueen, CPD

**The ASPE Convention** is scheduled for October 18-23<sup>rd</sup> in Columbus Ohio and **our chapter board has decided to support 4-6 members in attending the national convention.** What does this mean for you?

It means you'll have the opportunity to be involved in national elections if chosen to be a delegate at the business meeting, review amendments to our national bylaws and be part of national working groups leading the charge in plumbing innovation and development. After the first few days of the business meeting, you'll be able to wander the product exposition floor with over 1,000 booths, try your chance at winning some great prize giveaways, and finding some

of the most extravagant vendor celebrations and experiences. In addition to a number of fun activities you'll be able to make lifelong connections with other industry leaders.

### Requirements to qualify for the ASPE Convention Sponsorship:

1. Be a current ASPE member of the Dallas Ft Worth chapter by June 1st, 2024.
2. Attended 3 chapter events before June 1st, 2024. Events include social events and technical meetings.
3. Confirm business meeting and convention attendance availability with employer by June 1st.
4. Attend the ASPE Business meeting as a primary delegate or alternate. Business meeting is held October 18-20, more details will be provided upon request.
5. Nibco Sunday Night Party October 20th. Attendance is highly recommended.
6. Attend the ASPE Convention on October 21-23.
  - a. Product Show 21-23
  - b. Manufacturer Celebrations October 21st
  - c. Educational Training Seminars held October 23.

Continued: President Pg. 2

**President** Brett McQueen, CPD  
bmcqueen@ssr-inc.com

**VP Membership** Keith Davis  
vpmembership@dfwaspe.org

**Treasurer** Melanie Willhite, FPE, CPD  
mwillhite@ssr-inc.com

**VP Technical** Brittainy Tidwell, PE, CPD LEED AP  
vpotech@dfwaspe.org

**VP Legislative** Ben Tate  
vplegislative@dfwaspe.org

**Admin Secretary** Erin Hollingsworth  
Erin.hollingsworth@hts.com

# Engineer's Week – DFW ASPE Presentation at Dewitt Perry Middle School 7-8<sup>th</sup> graders

On Friday, February 23<sup>rd</sup>, we presented to five Investigating Careers and College & Career Readiness classes (100 students total, 7<sup>th</sup> – 8<sup>th</sup> graders), at Dewitt Perry Middle School (DWP). Melanie Willhite presented to the classes on what it means to be a plumbing and fire protection engineer (supported by Kendra Barnes and Brett McQueen). Focus for the presentation was



showing the students the systems that plumbing/fire engineers provide within DWP, water quality and special fire sprinkler systems. Highlights from the day include demonstrating nanofiltration system effectiveness using a LifeStraw on dirty water, taste testing water quality of various types of bottled water products (as well as testing the TDS of the products for comparison), watching a video sharing common myths about fire sprinkler systems, watching a video showing an aviation foam system during activation, and discussing potential solutions to protect against electric vehicle fires. The students were engaged and asked good questions – there was even a fire drill during the last class where we incorporated what a fire drill means and what elements of fire design go into protecting the DWP school. ASPE DFW is proud to be able to give back to the future plumbing designers and engineers at DWP!

## Continued: President Pg. 1

### COMMITTEE POSITIONS

#### AYP Chair

Yolanda Mashni  
ayp@dfwaspe.org

#### WOA Chair

Kendra Barnes  
kendra.barnes@rehau.com

#### Social Media Chair

Kendra Barnes  
kendra.barnes@rehau.com

#### Education Chair

Mike Danielson  
mdanielson@rwb.net

#### Webmaster

Tim Campbell  
timc@mgec.com

#### Newsletter Editor

Curtis Dady  
curtisd@pmireps.com

#### Fund Raising Chair (Events)

Erin Hollingsworth  
erin.hollingsworth@hts.com

#### Product Show Chair

Anthony Gonzalez  
agonzalez@onco-tx.com

#### Historian

Jim Vertz, CET, FASPE  
rowlett10@verizon.net

#### Affiliate Liaison

Luke Martin  
luke.martin@viega.us

- d. Sponsorship shall cover
- e. Airfare - Economy flight approved by chapter
- f. Lodging - ASPE partner hotel

Convention Registration - Full Registration

Contact: [chapter@dfwaspe.org](mailto:chapter@dfwaspe.org)

#### Upcoming Chapter Events

Golf Tournament - April 19<sup>th</sup>

Clay Shoot - August 30<sup>th</sup>

ASPE Convention Columbus Ohio - October 18-23<sup>rd</sup>

Casino Night - Fall

#### Social Events in the works for 2024

Painting with a Twist - March

Introductory Golf Clinic - April

Glass Blowing - May

Escape Room - June

Axe Throwing - July

Rock Climbing - August

Introductory Clay Shoot - August

Bowling - September

VR Sports Arena - October

Arcade - December



Kendra Barnes: WOA Chair, Social Media Chair

Back by popular demand! DFW ASPE WOA will be hosting golf lessons at the very new Swing Sync in Richardson, TX. We will be limited to 6 attendees for private lessons, so be sure to register! Join us on March 26th at 6:00pm and gain new swing techniques ahead of our Annual Golf Tournament!

Women  
of ASPE®

# GOLF CLASS

## GOLF FOR BEGINNERS!!

SWING SYNC  
300 N COIT RD  
SUITE 170  
RICHARDSON,  
TX

LIMITED TO 6  
PEOPLE



**SWING SYNC**  
A GOLF AND BODY CO.

“BRINGING THE  
GOLF  
COURSE TO YOUR  
LIVING ROOM;  
SWING SYNC,  
WHERE  
GOLF AND  
RELAXATION  
UNITE”

MARCH 26TH  
@ 6:00PM

**CASPE**  
American Society of  
Plumbing Engineers®  
DALLAS/FT. WORTH



# PAINTING WITH A TWIST

DFW ASPE invites you to join AYP at Painting with a Twist in Arlington!

**Free:** Time to paint in the spring! Join us for wine and cheese and art! Spaces are limited, so RSVP today! Check-in, wine, and cheese will begin at 6:30 pm. Painting will begin at 7 pm. Hope to see you there! All AYP events are open to any age/gender.

**For \$20:** Have you ever wanted to make your own candle? Painting with a Twist can help! Starting at 6:30 pm, you have the option to make your own personalized, soy candle using one of the 24 scents available. You will be able to take your candle home with you at the end of the night. You will make your payment at the venue when you arrive.

6:30 PM / FRIDAY MARCH 22ND

4001 W Green Oaks Blvd, Arlington, Tx 76016 | For more info & bookings visit [dfwaspe.org](http://dfwaspe.org)

## VP Membership: Keith Davis



**Welcome new members!** Don Childers (DJC Sales), Charles Hempstead, Jr, Nathan Montgomery (Nathan Montgomery), Richard Valdez (KAN Therm USA)

The DFW Chapter Board of Directors appreciates help from each of you for recruiting colleagues and contacts to the ASPE DFW Chapter!

Chapter	Feb-23	Feb-24	% change
Arkansas	37	49	32%
Dallas/Ft. Worth	227	270	19%
Central Texas	120	140	17%
St. Louis	116	130	12%
Kansas City	118	125	6%
Chicago	272	286	5%
Houston	224	234	4%
Wisconsin	158	159	1%
Omaha	76	75	-1%
Oklahoma	72	69	-4%
Central Illinois	32	30	-6%
Minnesota	159	148	-7%
Lubbock High Plains	11	10	-9%
Region 5 Total:	1622	1725	6%

# 2024 Events

## Chapter Events

- ◇ Golf Tournament - April 19<sup>th</sup>
- ◇ Clay Shoot - August 30<sup>th</sup>
- ◇ ASPE Convention Columbus Ohio - October 18-23<sup>rd</sup>
- ◇ Casino Night - Fall

## Social Events in the works for 2024

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- ◇ Bowling - September
- ◇ VR Sports Arena - October
- ◇ Arcade - December
- ◇ BBQ Pitmaster Masterclass - TBD
- ◇ Wine Making - TBD

# What is ASPE?

The **AMERICAN SOCIETY OF PLUMBING ENGINEERS** (ASPE) is the only organization dedicated to promoting the plumbing engineering profession to both enhance career opportunities for our members and ensure the health, safety, and well-being of the public through the design of safe plumbing, drinking water, and sanitation systems.

## WHAT WE DO



**Provide** continuing professional education programs



**Publish** design manuals, tools, and standards



**Host** conferences, tradeshows, and networking events



**Certify** professionals skilled in plumbing system design



**Promote** safe and sustainable water and sanitation systems



**Represent** the industry in local and national government



**Help** develop safe plumbing and building codes and standards



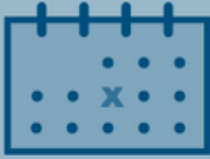
## OUR MEMBERS

Our members are individuals working in various professions related to plumbing system design.

## ← What Is Plumbing Engineering?

Plumbing engineering is a vital part of the design/build construction process. Plumbing engineers use the principles of fluid flow with engineering calculations to design plumbing systems that transport fluids such as water, wastewater, natural gas, and rainwater throughout buildings.

## BY THE NUMBERS



Founded in

**1964**



Number of Members Worldwide

**6,500+**



**13**

Elected Board Positions



**66**

Local Chapters

**20+**

Technical Publications



**2**

Special-Interest Groups for Young Professionals and Women

**3**

Professional Certification Programs



**10**

Staff Members



## INDUSTRY PARTNERS

To achieve our goals, ASPE collaborates with the following organizations:

American Backflow Prevention Association

National Institute of Building Sciences

ARCSA

NSF International

ASHRAE

Plumbing Efficiency Research Coalition

ASSE International

Plumbing Industry Leadership Coalition

Canadian Institute of Plumbing & Heating

Plumbing Manufacturers International

CSA Group

United Association

IAPMO

Water Quality Association

International Code Council

World Plumbing Council

## HOW YOU CAN GET INVOLVED

Contact a Chapter

Join Today!



Our Chapters host monthly meetings, golf outings, tradeshows, seminars, picnics, baseball outings, and more fun networking events to help local professionals connect.

Connect with Us





# CERTIFIED IN PLUMBING DESIGN<sup>SM</sup>

**CERTIFIED IN PLUMBING DESIGN** (CPD), administered by the American Society of Plumbing Engineers (ASPE), is the only international certification program specifically for engineers and designers of plumbing systems. Professionals who have the CPD credential are considered to have the highest level of skills in the design and specification of plumbing systems.

## EARNING & MAINTAINING THE CPD CREDENTIAL

### Am I eligible?

#### Route 1:

**4** year engineering degree + 4 years of work experience designing plumbing systems

#### Route 2:

**8** years of work experience designing plumbing systems

#### Other eligibility options:



**Current CPDT** certification counts toward 1 year of experience

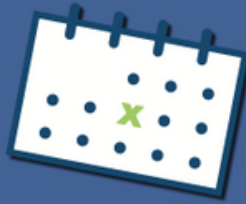


**PE license** counts toward 2 years of experience

# When can I take the exam?



The exam is held **annually** in the spring



**Registration** typically opens in December prior to the exam date



You can register online at [education.aspe.org](http://education.aspe.org)

## Where do I take the exam?

The CPD exam is held at **online testing centers** around the world



## Did I pass or fail?

Scores are **mailed** 6 to 8 weeks after the exam



## Maintaining your CPD credential

- ✓ You must earn 24 hours of continuing education every 2 years
- ✓ You can find recertification details at [aspe.org/education-credentialing/cpd/recertification/](http://aspe.org/education-credentialing/cpd/recertification/)

## For more info:

[aspe.org/education-credentialing/cpd/](http://aspe.org/education-credentialing/cpd/)  
or email [certification@aspe.org](mailto:certification@aspe.org)





## **2024 CPD Exam Dates: April 15–26**

### The CPD Exam

To be eligible to take the CPD Examination, a candidate must possess:

Full ASPE membership or previously received approval to sit for the exam starting November 22, 2021; or

A minimum of four years of experience in a position of responsibility for the design of plumbing systems and possess a baccalaureate degree in a field related to engineering; or

In lieu of an accredited degree, a candidate may substitute up to an additional four years of practical experience in the design of plumbing systems, for a total of eight years, or be granted a credit of one-half year of practical experience for each full year of education in an accredited curriculum related to plumbing engineering.

CPDT Certification counts towards 1 year of experience.

Here's more about the CPD Examination:

[General exam FAQs](#)

[Exam open book policy FAQs](#)

[2023 CPD Bulletin](#)

The exam is [remote proctored](#).

[CPD eligibility form](#)

The 2024 CPD Exam fees are:

ASPE Members \$450

Nonmembers \$675



## CPD REVIEW CLASS



Instructor: Donald Taylor

CPD REVIEW CLASSES:

MARCH 2ND AND 3RD

10 AM – 3 PM (VIRTUAL)

MOCH EXAM: MARCH 30TH

10 AM – 3 PM (VIRTUAL)



**REGISTER TODAY**

For more information contact Donald Taylor  
at [donald.taylor@crbgroup.com](mailto:donald.taylor@crbgroup.com) or  
Call 405.406.0548

# WHAT IS A Plumbing Engineer?

**PLUMBING ENGINEERS** are a vital part of design/build construction teams for residential, commercial, and industrial facilities. They interact with other construction trades to provide building owners with efficient, functional, and sustainable plumbing systems that protect the health, welfare, and safety of the public and prevent environmental contamination.

## WHAT DO PLUMBING ENGINEERS DO?

**PLUMBING ENGINEERS** use the principles of fluid flow along with engineering calculations to design plumbing systems that transport fluids and gases throughout buildings. Those systems include:

$$S = \frac{rpm\sqrt{Q}}{NPSH^{0.75}}$$
$$x 2.31 - h_f L_f + \frac{(P_B - V_p)}{\text{Specific gravity}}$$



Domestic water systems



Wastewater



Fuel gas



Medical gas & vacuum



Compressed air



High-purity water



Fire suppression



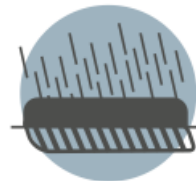
Chemical waste



Rain & stormwater systems



Venting



Site & building drainage



Water efficiency

## WHAT DOES THE PROFESSION ENTAIL?

*"The old adage that 'anyone can do plumbing' does not hold water anymore. A diversified and accomplished plumbing engineer is a valuable commodity in the design/build market."*



**PLUMBING ENGINEERS** are highly skilled individuals involved in many different aspects of the design/build process, including:

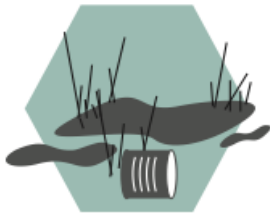
PLUMBING SYSTEM DESIGN	COMMISSIONING
PROJECT MANAGEMENT	CODE & STANDARD EXPERTISE
CONSTRUCTION ADMINISTRATION	FORENSIC & SUBSURFACE SYSTEM EVALUATION
BUILDING INFORMATION MODELING (REVIT)	COST ESTIMATION
PRODUCT & SYSTEM SPECIFICATION	PROBLEM SOLVING

## PROTECTING PEOPLE & THE ENVIRONMENT

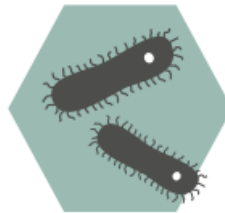
**PLUMBING ENGINEERS** help eliminate many of the threats that sicken people and harm the environment on a global scale by:



**Delivering** safe drinking water & sanitation systems



**Combating** groundwater contamination & depletion

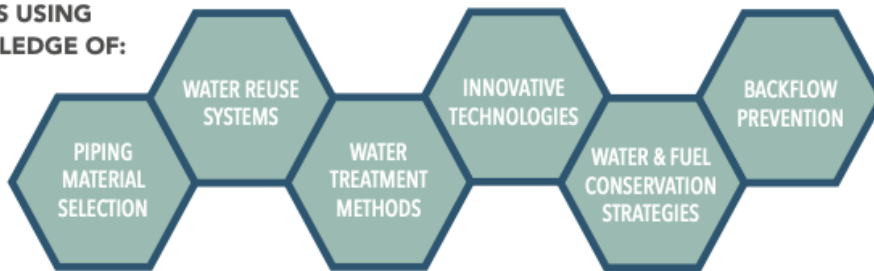


**Preventing** waterborne diseases



*“Through their designs, plumbing engineers affect every life.”*

**THEY DO THIS USING THEIR KNOWLEDGE OF:**



## HOW TO LEARN MORE

The American Society of Plumbing Engineers (ASPE) is the only association dedicated to promoting the plumbing engineering profession and helping plumbing engineers advance in their careers. Our members have a wealth of knowledge and experience and are ready to help others learn more about the industry.



To discover ASPE and find local contacts, visit:

[aspe.org](http://aspe.org)



Connect with Us



# ASPE

# Mentoring Program

This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals.

## **Who Is a Mentor?**

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an "open door" to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

### *Benefits to the mentor:*

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

## **Who Is a Mentee?**

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

### *Benefits to the mentee:*

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths

[connect.aspe.org](http://connect.aspe.org)

