Rewards and Benefits of AAEES Membership & Board Certification
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History & Mission

History

Founded in 1955 for the principal purpose of serving the public by improving the practice, elevating the standards, and advancing public recognition of environmental engineering and science.

Mission

Protecting public health and the environment by:

- Recognizing leadership and excellence through Board Certification of Environmental Engineers and Scientists
- Providing professional development opportunities for students, engineers, and scientists
Environmental Engineering and Science Foundation

EESF is an independent organization associated with the Academy. Founded in 1998, this 501(c)(3) entity operates to educate the public about the relevance and benefits of environmental engineering and science and to further the education of its practitioners.

EESF provides a tax-exempt donation opportunity for Academy members and others to support the future of environmental engineering and science professions. In turn, the EESF helps to fund educational and outreach efforts of the Academy.

Additional information on EESF can be found at http://www.eesfoundation.org/
AAEES & ABET

Curricula Accreditation

- The American Academy of Environmental Engineers and Scientists® is the lead society for environmental engineering and environmental science education program accreditation. ABET accredits global environmental engineering and environmental science curricula. Setting and enforcing program guidelines ensures that persons attending accredited programs receive an equivalent education consistent with the needs of the profession.

- ABET currently accredits 3,852 programs at 776 colleges and universities in 31 countries.
Board Certification Defined

Board Certification

- Bringing specialized credential above-and-beyond general licensure of PE, PG, etc.

- The BCEE, BCEEM, and BCES certifications are internationally recognized as premium credentials that are awarded to experienced professionals who have demonstrated expertise in one or more areas of specialization.
Professional societies and associations who promote Board Certification of Environmental Engineers and Scientists, each provide a representative on the Academy’s Board of Trustees, and many of whom worked together in 1955 to found the AAEES.
AAEES Affiliates

Organizations who support AAEES and seek ongoing collaboration in support of environmental engineering and science
Organizations who financially support the AAEES to help assure ongoing success and value of the AAEES to the environmental engineering and science profession.
AAEES Awards Conference

AAEES hosts the awards conference and luncheon at The National Press Club in Washington DC each Spring. A series of technical speakers share their knowledge and the E3s Awards are presented. The Excellence in Environmental Engineering and Science™ Awards Competition exists to identify and reward the best of today's environmental engineering and science. Its criteria define what it takes to be the best in environmental engineering and science.

- Design
- Research
- Planning
- Small Firms
- Small Projects
- Environmental Sustainability
- Operations/Management
- Industrial Waste Practice
- University Research

Leadership and Excellence in Environmental Engineering and Science
AAEES Primary Activities (continued)

Additional Activities

• Facilitates numerous conferences, seminars and webinars

• Supports the National Council of Examiners for Engineering and Surveying

• Sponsors the Kappe Lecture Series to academia

• Supports Student Chapters at over 20 universities across the country
AAEES Publications

- **Environmental Engineer and Scientist** – the quarterly periodical of AAEES.

- **Who’s Who in Environmental Engineering and Science** – directory of BCEEs, BCESs, BCEEMs and other AAEES members.

- **Environmental Engineering and Science Resource Guidebook** – guidance for obtaining environmental consulting support and accredited education.
# Types of Membership

<table>
<thead>
<tr>
<th>Board Certified</th>
<th>Non-Board Certified</th>
<th>Students</th>
<th>Young Professionals</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BCEE</strong></td>
<td><strong>AAEES Member</strong></td>
<td><strong>Student Member</strong></td>
<td><strong>Young Professionals</strong></td>
</tr>
<tr>
<td>Board certified environmental engineer, with a PE license</td>
<td>Practicing in the field, but not yet Board Certified. (Generally aspiring to be board certified)</td>
<td>A Student currently enrolled in an accredited Environmental Engineering or Science degree program</td>
<td>The AAEES Young Professionals Program is designed to assist early-career Environmental Engineers and Environmental Scientists in becoming established in their chosen field and specialty.</td>
</tr>
<tr>
<td><strong>BCEEM</strong></td>
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<tr>
<td>Board Certified Environmental Engineering Member</td>
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<tr>
<td><strong>BCES</strong></td>
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<tr>
<td>Board Certified Environmental Scientist</td>
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[Board Certification Web Page] [AAEES Member Web Page] [Student Member Web Page] [Young Professionals Web Page]
## Certification Requirements

### Board Certified Environmental Engineer (BCEE)
- Licensed professional engineer engaged in environmental engineering.
- Written exam and peer review with at least eight years experience including four years of responsible charge beyond the baccalaureate degree.
- Written exam waived for candidates with more than 16 years experience.

### Board Certified Environmental Engineering Member (BCEEM)
- Same requirements as BCEE but P.E. license not required.

### Board Certified Environmental Scientist (BCES)
- An individual engaged in environmental science.
- Written exam and peer review with at least eight years’ post baccalaureate experience including four years in responsible charge.
- Written exam waived for candidates with more than 16 years experience.
# Membership Requirements

## Non-Board Certified Membership Requirements

### AAEES Member
Minimum of a baccalaureate degree in environmental engineering (or related) or environmental science (or related) and currently practicing in the field or actively engaged in teaching.

### Student Member
Enrolled and pursuing a course of study leading to a degree in environmental engineering or environmental science (or related branch of engineering.) **Free membership** including one year following graduation.

### Young Professional
Obtained a degree in environmental engineering or environmental science (or related branch of engineering.) Typically has less than 8 years of relevant experience.
By obtaining certification, you demonstrate expertise through comprehensive written and oral examinations in one or more of the following specialties:

- Air Pollution Control
- Environmental Sustainability
- General Environmental Engineering
- Hazardous Waste Management & Site Remediation
- Industrial Hygiene
- Radiation Protection
- Solid Waste Management
- Water Supply and Wastewater Engineering
By obtaining certification, you demonstrate expertise through comprehensive written and oral examinations in one or more of the following specialties:

- Environmental Biology
- Environmental Chemistry
- Environmental Microbiology
- Environmental Toxicology
- Air Resources
- Groundwater and the Subsurface Environment
- Hazardous Waste Management and Site Remediation
- Solid Waste Management
- Surface Water Resources
- Sustainability Science
## Value and Benefits of Certification

### Value of being a Board Certified Member

<table>
<thead>
<tr>
<th>Credentials</th>
<th>Pride</th>
<th>Advancement</th>
<th>Respect</th>
<th>Comradery</th>
<th>Learning</th>
<th>Awards</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highest level of credentials in environmental engineering and science, jointly recognized by the AAEES Sponsoring Organization including: AIChE, A&amp;WMA, APHA, APWA, ASEE, ASCE, ASME, AWWA, AEESP, NSPE, SWANA, WEF</td>
<td>Pride in accomplishment: proof of reaching highest honors in environmental engineering and science</td>
<td>Career advancement/ marketability due to advanced credentials recognized throughout our industry</td>
<td>Enhanced technical respect among our peers and clients and for expert witness credentials. Name and credentials listed in Who’s Who in Environmental Engineering and Science.</td>
<td>Networking and comradery with most advanced technical leaders in our industry, providing many opportunities for shared learnings and relationship development</td>
<td>Access to leading-edge publication and workshops provided by the AAEES throughout each year</td>
<td>Annual prestigious awards program provides top tier peer recognition for individuals and teams for some of the most important environmental engineering and science projects in the world</td>
<td>Opportunity to provide service to our profession, helping to fulfill an important responsibility we all have</td>
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*Leadership and Excellence in Environmental Engineering and Science*
Value and Benefits of Certification

Value to Organizations and Leaders (by having BCEE and BCES staff on their teams)

<table>
<thead>
<tr>
<th>Excellence</th>
<th>Cost Efficiency</th>
<th>Recognition</th>
<th>Innovation</th>
<th>Recruitment</th>
<th>Awards</th>
<th>Knowledge</th>
<th>Branding</th>
<th>Nurture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demonstrates commitment to excellence</td>
<td>Enhances project reliability, cost efficiency, profitability</td>
<td>Achieves recognition by clients, regulators, public</td>
<td>Improves environmental innovation and impacts</td>
<td>Supports “employer of choice” status</td>
<td>Annual awards recognition opportunity for organization and clients</td>
<td>Provides access to leading edge technical knowledge</td>
<td>Enhances sustainability and brand</td>
<td>Encourages Opportunity to provide service to the profession</td>
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</tbody>
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Value Proposition

- **Competitive Advantage in Selection Process**
- **Networking** With the Profession’s Most Highly Qualified Professionals
- Assures the Public of **High Level Expertise**
- Peer **Recognition**
- Professional **Esteem**
- Improved Career **Success**
- Demonstration of Personal **Commitment to Excellence**
- **Projects & Awards**
- Changes the Corporate Culture to an **Expectation of Excellence**

Changes the Corporate Culture to an Expectation of Excellence

Improved Career Success

Professional Esteem

Peer Recognition

Demonstration of Personal Commitment to Excellence

**Value Proposition**

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- Demonstration of Personal Commitment to Excellence
- Projects & Awards
- Changes the Corporate Culture to an Expectation of Excellence
Value Proposition (continued)

Some additional benefits of becoming Board Certified include:

• Opportunities to participate in advancing the state-of-the-art of the environmental engineering and science professions through participation in Academy committees.

• Objective testimony to your special expertise and level of proficiency beyond that which is required to practice as a professional engineer (P.E. license not required to become a BCEEM or BCES)

• A biographical listing as Board Certified in *Who's Who in Environmental Engineering and Science®* - the recognized guide to the current leaders in environmental engineering and environmental science;

• Participation in programs that encourage the hiring of Board Certified individuals through distribution of the *Who's Who in Environmental Engineering and Science®* and the *Environmental Engineering and Science Resource Guidebook*

• Complimentary subscription to the *Environmental Engineer and Scientist*, the quarterly periodical of AAEES that focuses on environmental engineering and environmental science history, professional practice issues, and environmental policy;

• Discounted entry fees for the annual *Excellence in Environmental Engineering and Science* competition, which provides public recognition of quality environmental engineering and environmental science projects and programs; and
How to Apply for Board Certification or Membership

If you think you may meet the minimum requirements to become Board Certified, you can get started by filling out an application today.

Board Certification Application

Board Certification Web Page

Or if you don’t qualify to become Board Certified but would like to become a AAEES member, please visit our website at www.aaeess.org or click on one of the following links...

AAEES Member Web Page
Student Member Web Page
Young Professionals Web Page
Contact Us

We would love to hear from you...

<table>
<thead>
<tr>
<th>Burk Kalweit</th>
<th>J. Sammi Olmo</th>
<th>Joyce Dowen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Director</td>
<td>Manager, Special Projects</td>
<td>Executive Assistant</td>
</tr>
<tr>
<td>Yolanda Y. Moulden</td>
<td>Susannah Walz</td>
<td>Marisa Waterman</td>
</tr>
<tr>
<td>Production Manager</td>
<td>Financial Management</td>
<td>Marketing Manager</td>
</tr>
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Don’t forget to “like” us on Facebook!

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