

STEM Related Washington & Oregon Industry Associations (preliminary list)

American Electronics Association- AeA

American Electronics Association- AeA, founded in 1943, is a nationwide trade association that represents all segments of the technology industry. (Redmond, WA & Lake Oswego, OR)

www.aeanet.org/AeACouncils/WACouncilStart.asp

www.aeanet.org/AeACouncils/ORCouncilStart.asp

Northwest Association for Biomedical Research (NWABR)

The Northwest Association for Biomedical Research is a non-profit educational organization established in 1988 to promote the public understanding of the implications and applications of biomedical research. The association sponsors the Student Biotech Expo is a unique science fair that engages high school students in creative ways to demonstrate their understanding of the life sciences, and that connects them to scientists and resources in the community. (Seattle, WA)

www.nwabr.org

Northwest Food Processors Association

Established in 1914, the NWFPA is a regional trade group composed of 81 processing companies operating 175 plants in Idaho, Oregon, and Washington in a \$10 billion industry. (Portland, OR)

www.nwfpa.org

Northwest Mining Association

NWMA is a regional association representing our members' interests throughout the United States and Canada, and facilitating their global interests. NWMA serves in the role of the state mining association for Oregon and Washington. www.nwma.org

The Northwest Gas Association (NWGA)

The Northwest Gas Association is a trade organization of the Pacific Northwest natural gas industry. The NWGA's members include six natural gas utilities serving communities throughout Idaho, Oregon, Washington and British Columbia. www.nwga.org

Northwest Public Power Association

Northwest Public Power Association is an organization of over 150 public/people's utility districts, electric cooperatives, municipalities and crown corporations in the Western U.S. and Canada.

www.NWPPA.org

Northwest Environmental Business Council (NEBC)

As a non-profit trade association, NEBC represents environmental service businesses in the Northwest ranging from waste management to energy and biofuels, to environmental engineering. Northwest Environmental Education Council (a programs of NEBC) has several programs for primary and secondary grades that connect schools to environmental careers and education opportunities. <http://www.nweec.org> and www.nebc.org

Oregon Bioscience Association

OBA is a non-profit association with membership open to any company, organization or individual with an interest in biotechnology, medical devices, or the life sciences.

www.oba.org

Oregon Solar Energy Industries Association (OSEIA)

Established in 1981 to promote solar energy in the Northwest. (Portland, OR)

<http://www.oregonseia.org/index.htm>

Pacific Northwest Aerospace Association

PNAA is a non-profit organization promoting growth and success of the aerospace industry in the Northwest region of the United States. (Canby, OR) www.pnaa.net

Software Association of Oregon

Formed in 1989, the Software Association of Oregon (SAO) fosters an environment that fuels the growth of Oregon's software industry. (Portland, OR) www.sao.org

SAO has sponsored *TechStart*. The TechStart Education Foundation is a 501(c)3 non-profit with a mission to use technology education to strengthen the teamwork, critical thinking, creativity, and problem solving skills of K-12 students. The goals of TechStart are to provide professional development and support to Oregon technology educators and to awaken an interest in technology among their students. <http://techstart.org/index.html>.

The *Oregon Training Network* assesses and aggregates the training needs of technology professional statewide. We then develop, arrange for and deliver *high quality training*, with cost savings in the form of reduced travel expenses and discounts on actual training fees as a result of volume and costs offset by funding sources when available.

Technology Alliance

A consortium of Washington State technology businesses, their trade associations and research institutions, offers members the opportunity to network and learn from each other. (Seattle, WA) www.technology-alliance.com

Washington Biotechnology & Biomedical Association

The WBBA is a not-for-profit association of Washington state biotechnology and biomedical companies, research firms and related organizations. Hosted by the WBBA, the Life Sciences Industry - Education Committee convenes create a quarterly forum that strengthens collaboration, increases economic vitality and career opportunities, in addition to the supply of skilled workers in the life sciences. This group will function as a central resource and a model for statewide communication within the life sciences workforce and education community. There are approximately 30 members on the committee, about half of whom are from industry and half from education. (Seattle, WA) www.wabio.com

WSA (formerly Washington Software Alliance)

The alliance focuses on helping Washington state technology innovators succeed. We are a catalyst for sharing expertise, delivering key business services and leading the advocacy of issues necessary to keep Washington a leader in the digital economy. (Seattle, WA)

www.wsa.org/main.asp

Pacific Northwest National Lab

PNNL's mission is to deliver leadership and advancements in science, energy, national security and the environment for the benefit of the U.S. Department of Energy and the nation. Located in Richland Washington, the lab has strong relationships with Washington, Oregon and Idaho. While PNNL is not an industry group, the lab does work with an array of science and technology industries throughout the Northwest and has an array of STEM professionals that involved in leading edge research. PNNL also has an array of education programs related to STEM that includes both teachers and students. <http://science-ed.pnl.gov/>

STEM Related Professional Societies (preliminary list)

The following are examples of a few professional societies related to various STEM occupations. Almost each STEM profession has a national or international society or association, so as specific fields of studies for STEM programs are expanded this list can be updated to reflect regional needs.

ENGINEERING & TECHNOLOGY

American Society of Civil Engineers ASCE

Founded in 1852, the American Society of Civil Engineers (ASCE) represents more than 133,000 members of the civil engineering profession worldwide, and is America's oldest national engineering society. ASCE's vision is to position engineers as global leaders building a better quality of life. SW WA Chapter: https://www.asce.org/inside/dsp_officers.cfm?BranchID=187

American Society of Mechanical Engineers ASME

Founded in 1880 as the American Society of Mechanical Engineers, today's **ASME** promotes the art, science & practice of mechanical & multidisciplinary engineering and allied sciences around the globe. Northwest chapters include:

<http://sections.asme.org/oregon/>

<http://www.vancouver.wsu.edu/encs/asme/>

The Washington Society of Professional Engineers (WSPE)

The Washington Society of Professional Engineers, established in 1937, is a professional association representing the interests of over 600 engineers from all fields of practice. WSPE, headquartered in Moses Lake, includes among its membership: licensed professional engineers, licensed structural engineers, licensed land surveyors, engineer interns, graduate engineers and engineering students. Member of the National Society for Professional Engineers (NSPE)

<http://www.washingtonengineers.org>

American Institute of Aeronautics and Astronautics (AIAA)

For more than 65 years, the American Institute of Aeronautics and Astronautics (AIAA) and its predecessors, has been the principal society of the aerospace engineer and scientist. Officially formed in 1963 through a merger of the American Rocket Society (ARS) and the Institute of Aerospace Sciences (IAS), the purpose was, and still is, "to advance the arts, sciences, and technology of aeronautics and astronautics, and to promote the professionalism of those engaged in these pursuits." NW Chapter: <http://www.pnwaiaa.org/>

American Institute of Architects (AIA)

The professional organization for architects in the United States with conferences, awards and professional resources. There are chapters in Oregon and Washington.

www.aia-oregon.org/ and www.aia-washington.org/

American Institute of Chemical Engineers [AIChE]

The American Institute of Chemical Engineers, AIChE, was founded in 1908. AIChE is a professional association of more than 50,000 members that provides leadership in advancing the chemical engineering profession. Its members are creative problem-solvers who use their scientific and technical knowledge to develop processes and design and operate plants to make useful products at a reasonable cost. Chemical engineers are also at the forefront of

research to assure the safe and environmentally-sound manufacture, use, and disposal of chemical products. AIChE fosters and disseminates chemical engineering knowledge, supports the professional and personal growth of its members, and applies the expertise of its members to address societal needs throughout the world.

NW Chapters: <http://www.aiche.org/Localsections/Find/PacificCoast/index.aspx>

IEEE

The Institute of Electrical and Electronics Engineers ("eye-triple-E") helps advance global prosperity by promoting the engineering process of creating, developing, integrating, sharing, and applying knowledge about electrical and information technologies and sciences for the benefit of humanity and the profession.

Oregon & SW WA Chapter: http://ewh.ieee.org/r6/oregon/emc/Chapter_Home.htm

Institute for Women in Trades, Technology & Science

IWITTS provides the tools to successfully integrate women into male-dominated careers -- such as technology and law enforcement -- via our training, publications, products, e-strategies, and research projects. We work nationally and our audience includes educational institutions, police departments, employers, and women and girls themselves. Careers range from automotive technician to pilot, computer networking technician, telecommunications engineer, electrician and police officer, to name just a few. <http://www.iwitts.com>

National Center for Women & Information Technology

NCWIT is a coalition of more than 100 prominent corporations, academic institutions, government agencies, and non-profits working to increase women's participation in information technology (IT). NCWIT is a 501(c)(3), established in 2004 with startup funding from the National Science Foundation, Avaya, Microsoft, Pfizer, Bank of America, Intel, HP, the Kauffman Foundation, and Qualcomm. We believe that inspiring more women to choose careers in IT isn't about parity; it's a compelling issue of innovation, competitiveness, and workforce sustainability. In a global economy, gender diversity in IT means a larger and more competitive workforce; in a world dependent on innovation, it means the ability to design technology that is as broad and creative as the people it serves. www.ncwit.org

SEMI

Representing more than 2,400 member companies, Semiconductor Equipment and Materials International (SEMI) is the trade association serving the global semiconductor equipment, materials and flat panel display industries. Since its inception in 1970, SEMI has played an increasingly vital role in industry expansion, visibility, and representation. The SEMI Pacific Northwest Steering Committee was founded in 1998 by members of the Pacific Northwest high-tech companies and educational organizations who are dedicated to giving back to the community through award winning programs such as High Tech U and the Robotics Program. The SEMI Pacific Northwest Steering Committee also offers annual scholarships, industry dinners, an annual golf tournament and charitable services.

http://wps2a.semi.org/wps/portal/_page/136/_page.136/746?dFormat=application/msword&docName=P040125

Society for the Advancement of Material and Process Engineering (SAMPE)

SAMPE is an international professional member society, provides information on new materials and processing technology either via technical forums, journal publications, or books in which professionals in this field can exchange ideas and air their views. As the only technical society encompassing all fields of endeavor in materials and processes, SAMPE provides a unique and valuable forum for scientists, engineers, and academicians.

NW Chapter: <http://www.sampe.org/contact/chaptercontacts.aspx>

Society of Women Engineers SWE

The Society of Women Engineers (SWE) is a not-for-profit educational and service organization that empowers women to succeed and advance in the field of engineering, and to be recognized for their life-changing contributions as engineers and leaders. Founded in 1950, SWE is the driving force that establishes engineering as a highly desirable career for women through an exciting array of training and development programs, networking opportunities, scholarships, outreach and advocacy activities, and much more. SWE has multiple education and STEM programs including ASPIRE and program targeting girls in K-12.

NW Chapter: <http://www.swe.org/regionJ/>

Other Engineering Societies

The American Association of Engineering Societies (AAES) is a multidisciplinary organization of engineering societies dedicated to advancing the knowledge, understanding, and practice of engineering. AAES member societies represent the mainstream of U.S. engineering engineers in industry, government, and academia. Members include:

[American Institute of Aeronautics and Astronautics](#) AIAA

[American Institute of Mining, Metallurgical, and Petroleum Engineers, Inc.](#) AIME [American Institute of Medical and Biological Engineers](#) AIMBE

The American Institute for Medical and Biological Engineering was founded in 1991 to establish a clear and comprehensive identity for the field of medical and biological engineering - which is the bridge between the principles of engineering science and practice, and the problems and issues of biological and medical science and practice.

[American Society for Engineering Education](#) ASEE

MATHEMATICS & RELATED

American Mathematical Society

The AMS WWW server provides information to further mathematical research and scholarship. Included on this server is a preprint archives with links to other preprint archives, information on publications published by the AMS, career development resources for mathematicians, searchable Combined Membership List, information on meetings and conferences and links to other Mathematics Information Servers. www.ams.org

American Statistical Association

The American Statistical Association (ASA) is a scientific and educational society founded in 1839 to foster excellence in the use and application of statistics to the biological, physical, social and economic sciences. ASA's 19,000 members serve the industrial, governmental and academic sectors. The ASA publishes six journals, conducts scientific conferences, fosters a continuing education program, and is very active in bringing statistical education to elementary and secondary schools. www.amstat.org

Association for Women in Mathematics (AWM)

The Association for Women in Mathematics (AWM) was established in 1971 to encourage women to study and have active careers in the mathematical sciences. Equal opportunity and equal treatment of women in the mathematical sciences are promoted.

The Oregon Society of CPAs

The Oregon Society of CPAs, founded in 1908, is a professional membership organization, with over 4,800 members. The OSCPA is committed to helping CPAs build and maintain their reputation as reliable and versatile professionals. <http://www.orcpa.org/>

The Washington Society of CPAs

With more than 9,000 members, the Washington Society of Certified Public Accountants is the only organization in the State of Washington dedicated to serving the professional needs of CPAs, educating consumers about CPAs and the services they provide, and encouraging students to study accounting and enter the profession.

<https://www.wscpa.org/wscpa/wscpa.cfm>

SCIENCES

American Association for the Advancement of Science

The American Association for the Advancement of Science (AAAS, pronounced "Triple-A-S") is the world's largest general science organization and publisher of the peer-reviewed journal Science. With more than 138,000 members and 275 affiliated societies, AAAS serves as an authoritative source for information on the latest developments in science and bridges gaps among scientists, policy-makers and the public to advance science and science education.

www.aaas.org

American Chemical Society [ACS]

The American Chemical Society is a self-governed individual membership organization that consists of more than 163,000 members at all degree levels and in all fields of chemistry. The organization provides a broad range of opportunities for peer interaction and career development, regardless of professional or scientific interests. The programs and activities conducted by ACS today are the products of a tradition of excellence in meeting member needs that dates from the Society's founding in 1876. Regional chapter:

<http://membership.acs.org/P/Portland/>

Pacific NW Chapter of SOCIETY OF ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY

Serves as the focal point for toxicological interests in the Pacific Northwest region by encouraging interaction among toxicologists in government, industry, academia, and independent research organizations; by sponsoring scientific and educational programs in toxicology; and by fostering a broader understanding of the science of toxicology within the public and private sectors. <http://www.setac.org/pnwrc/>

The American Society for Biochemistry and Molecular Biology

(ASBMB) is a nonprofit scientific and educational organization with over 12,000 members. The Society's purpose is to advance the science of biochemistry and molecular biology through publication of scientific and educational journals: the Journal of Biological Chemistry, Molecular & Cellular Proteomics, and the Journal of Lipid Research, organization of scientific meetings, advocacy for funding of basic research and education, support of science education at all levels, and promoting the diversity of individuals entering the scientific workforce.

Association of Women in Science

AWIS is a national advocacy organization championing the interests of women in science, technology, engineering, and mathematics across all disciplines and employment sectors. By breaking down barriers and creating opportunities, AWIS strives to ensure that women in these fields can achieve their full potential. The national chapter has a variety of educational outreach efforts. Washington Chapter: <http://www.seattleawis.org>

ASM International

Since our founding in 1913, ASM International has existed to provide a means for exchanging information and professional interaction. Today, our role has expanded to serve the technical interests of metals and materials professionals all over the world - but providing information and interaction remains our main purpose. Local chapters listed on website; www.asm.org

Geospatial Information & Technology Association

The Geospatial Information & Technology Association (GITA) is a nonprofit educational association serving the global geospatial community.

Pacific NW Chapter: <http://www.gita.org/chapters/pacific/pacific.asp>

The Northwest Association of Environmental Professionals (NWAEP)

The Northwest Association of Environmental Professionals (NWAEP) was founded in 1992 and became an official affiliated chapter of the National Association of Environmental Professionals (NAEP) in 2005. <http://www.nwaep.org/index.htm>

Societies related to Earth Sciences

- Earth Sciences
 - [Geotechnology Research Institute](#)
- Energy
 - [Association of Energy Services Professionals](#)
 - [American Wind Energy Association](#)
 - [International Geothermal Association](#)
 - [The American Nuclear Society](#)
 - [American Solar Energy Society](#)
- Geophysical
 - [American Geophysical Union](#)
 - [Society of Exploration Geophysicists](#)
 - [Environmental and Engineering Geophysical Society](#)
- Geological
 - [American Association of Petroleum Geologists](#)
 - [American Geological Institute](#)
 - [American Geophysical Union](#)
 - [Association for Women Geoscientists](#)
 - [Geological Society of America](#)
 - [International Association for Mathematical Geology](#)
 - [International Organization of Palaeobotany](#)

A list of societies related to psychology can be found at:

<http://www.library.yale.edu/socsci/subguides/psychology/associations.html>