

Educational Opportunities in Power and Energy Engineering

Power and energy engineering provides ample opportunities for rewarding careers addressing critical local to global technical challenges. Universities throughout the world are providing the education needed for students to enter this engineering career field. Information is now available on power engineering programs at US and Canadian universities. Through a periodic survey by the **Power & Energy Education Committee (PEEC) of the IEEE Power & Energy Society**, information has been assembled on relevant university education programs to help students, parents, student advisors, recruiters, among others, learn about current education opportunities. The information can also be useful to faculty looking to improve university education programs, and to government and industry supporters of research and education to better understand the scope and breadth of power engineering programs.

In 2016, the IEEE Power & Energy Society invited all accredited, 4 year institutions in the U.S. and Canada to participate in the 2015-2016 Power & Energy Education Committee (PEEC) Survey. The purpose of this survey is to collect data on the state of power and energy engineering education in the U.S. and Canada. Since it began, the survey has provided the engineering education community with valuable metrics and data on topics such as universities providing power engineering education, faculty members, curriculum trends, and research topics and expenditures.

Electric Power Engineering Education Resources: US and Canadian University Survey Results

Are you looking for information on which universities offer education in power and energy engineering, the faculty and staff doing the instruction, the degree options, the offered courses, and the trends in power engineering education? You can find that information and more in the following sources on university power programs at US and Canadian universities.

Year	Title	Release Date
2015-16	University Education and Research Programs in the U.S. and Canada for Power and Energy Engineering Careers (PDF Report) <ul style="list-style-type: none">• Executive Summary (PDF Format)	November 2017
2013-14	University Education and Research Programs in the U.S. and Canada for Power and Energy Engineering Careers (PDF Report)	April 2015

	<p>State of Power Engineering Education in the U.S. and Canada: Overview of the 2013-2014 University Survey Results</p> <ul style="list-style-type: none"> • PES Membership/Students Webinar, June 2, 2015 • Presentation Slides (PDF) 	
1969 to 2006	<p>Historical Results of 14 University Surveys on Electric Power Engineering Education Resources Starting (IEEE Xplore)</p>	

The report listed above contains a list of educational institutions that self-identified as having power and energy engineering faculty and courses. All information has been self-reported by a faculty member at each institution. Contact the institutions directly to get the most up-to-date information.

Institutions which responded to the 2015-16 PEEC Survey

School	State/Province	Country	Masters Degree Available	Doctoral Degree Available	Masters Online Degree Available	Doctoral Online Degree Available
Arizona State University	Arizona	USA	Yes	Yes	Yes	No
Auburn University	Alabama	USA	Yes	Yes	Yes	No
Baylor University	Texas	USA	Yes	Yes	No	No
Boise State University	Idaho	USA	Yes	Yes	No	No
Buffalo State - State University of New York	New York	USA	No	No	No	No
California Polytechnic State University, San Luis Obispo	California	USA	Yes	No	No	No
California State University, Fresno	California	USA	Yes	No	No	No
California State University, Northridge	California	USA	Yes	No	No	No
California State University, Sacramento	California	USA	Yes	No	No	No
Carnegie Mellon University	Pennsylvania	USA	Yes	Yes	No	No

Case Western Reserve University	Ohio	USA	Yes	Yes	Yes	No
Clarkson University	New York	USA	Yes	Yes	Yes	Yes
Clemson University	South Carolina	USA	Yes	Yes	No	No
Cleveland State University	Ohio	USA	Yes	Yes	No	No
Colorado School of Mines	Colorado	USA	Yes	Yes	No	No
Colorado State University	Colorado	USA	Yes	Yes	Yes	Yes
Concordia University	Quebec	Canada	Yes	Yes	No	No
Cornell University	New York	USA	Yes	Yes	No	No
Drexel University	Pennsylvania	USA	Yes	Yes	Yes	No
FAMU-FSU College of Engineering	Florida	USA	Yes	Yes	No	No
Florida International University	Florida	USA	Yes	Yes	Yes	Yes
Gannon University	Pennsylvania	USA	No	No	No	No
Georgia Institute of Technology	Georgia	USA	Yes	Yes	No	No
Gonzaga University	Washington	USA	Yes	No	Yes	No
Howard University	District of Columbia	USA	Yes	Yes	No	No
Illinois Institute of Technology	Illinois	USA	Yes	Yes	Yes	No
Indiana University - Purdue University Indianapolis	Indiana	USA	Yes	Yes	No	No
Iowa State University	Iowa	USA	Yes	Yes	No	No
John Brown University	Arkansas	USA	No	No	No	No
Kansas State University	Kansas	USA	Yes	Yes	Yes	Yes
Kennesaw State University	Georgia	USA	Yes	No	Yes	No
Lake Superior State University	Michigan	USA	No	No	No	No
Lamar University	Texas	USA	Yes	Yes	Yes	Yes

Lawrence Technological University	Michigan	USA	Yes	No	No	No
Louisiana State University and A&M College	Louisiana	USA	Yes	Yes	No	No
Marquette University	Wisconsin	USA	Yes	Yes	No	No
Massachusetts Institute of Technology	Massachusetts	USA	Yes	Yes	No	No
McGill University	Quebec	Canada	Yes	Yes	No	No
Memorial University of Newfoundland	Newfoundland and Labrador	Canada	Yes	Yes	No	No
Miami University	Ohio	USA	Yes	No	No	No
Michigan State University	Michigan	USA	Yes	Yes	No	No
Michigan Technological University	Michigan	USA	Yes	Yes	Yes	Yes
Minnesota State University, Mankato	Minnesota	USA	Yes	No	No	No
Mississippi State University	Mississippi	USA	Yes	Yes	Yes	Yes
Missouri University of Science and Technology	Missouri	USA	Yes	Yes	Yes	Yes
Montana State University, Bozeman	Montana	USA	Yes	Yes	No	No
New Jersey Institute of Technology	New Jersey	USA	Yes	Yes	Yes	No
New Mexico State University	New Mexico	USA	Yes	Yes	Yes	Yes
New York University Polytechnic School of Engineering	New York	USA	Yes	Yes	No	No
North Carolina State University at Raleigh	North Carolina	USA	Yes	Yes	Yes	No
North Dakota State University	North Dakota	USA	Yes	Yes	No	No
Northeastern University	Massachusetts	USA	Yes	Yes	Yes	No
Northern Arizona University	Arizona	USA	Yes	Yes	No	No

Ohio Northern University	Ohio	USA	No	No	No	No
Ohio State University	Ohio	USA	Yes	Yes	No	No
Oklahoma State University	Oklahoma	USA	Yes	Yes	No	No
Old Dominion University	Virginia	USA	Yes	Yes	No	No
Oregon State University	Oregon	USA	Yes	Yes	No	No
Pennsylvania State University, Harrisburg	Pennsylvania	USA	Yes	No	Yes	No
Portland State University	Oregon	USA	Yes	Yes	No	No
Purdue University Northwest	Indiana	USA	Yes	No	No	No
Purdue University, West Lafayette	Indiana	USA	Yes	Yes	Yes	No
Rensselaer Polytechnic Institute	New York	USA	Yes	Yes	No	No
Ryerson University	Ontario	Canada	Yes	Yes	No	No
San Jose State University	California	USA	Yes	No	No	No
Santa Clara University	California	USA	Yes	Yes	No	No
Seattle University	Washington	USA	No	No	No	No
South Dakota School of Mines and Technology	South Dakota	USA	Yes	No	Yes	No
South Dakota State University	South Dakota	USA	Yes	Yes	No	No
Suffolk University	Massachusetts	USA	No	No	No	No
Syracuse University	New York	USA	Yes	Yes	No	No
Temple University	Pennsylvania	USA	Yes	Yes	No	No
Tennessee State University	Tennessee	USA	Yes	Yes	No	No
Texas A&M University	Texas	USA	Yes	Yes	No	No
Texas Tech University	Texas	USA	Yes	Yes	No	No
Tufts University	Massachusetts	USA	Yes	Yes	No	No
United States Military Academy	New York	USA	No	No	No	No

University of Alabama at Birmingham	Alabama	USA	Yes	Yes	No	No
University of Alaska Fairbanks	Alaska	USA	Yes	Yes	No	No
University of Alberta	Alberta	Canada	Yes	Yes	No	No
University of Arkansas	Arkansas	USA	Yes	Yes	Yes	No
University of Calgary	Alberta	Canada	Yes	Yes	No	No
University of California, Berkeley	California	USA	Yes	Yes	No	No
University of California, Los Angeles	California	USA	Yes	No	Yes	No
University of Central Florida	Florida	USA	Yes	Yes	No	No
University of Denver	Colorado	USA	Yes	Yes	No	No
University of Houston	Texas	USA	Yes	Yes	Yes	No
University of Idaho	Idaho	USA	Yes	Yes	Yes	Yes
University of Illinois at Urbana-Champaign	Illinois	USA	Yes	Yes	No	No
University of Kentucky	Kentucky	USA	Yes	Yes	No	No
University of Maine	Maine	USA	Yes	Yes	No	No
University of Maryland College Park	Maryland	USA	Yes	Yes	No	No
University of Memphis	Tennessee	USA	Yes	Yes	No	No
University of Michigan - Dearborn	Michigan	USA	Yes	Yes	Yes	No
University of Michigan, Ann Arbor	Michigan	USA	Yes	Yes	No	No
University of Minnesota - Twin Cities	Minnesota	USA	Yes	Yes	No	No
University of Missouri - Columbia	Missouri	USA	Yes	Yes	No	No
University of Missouri - Kansas City	Missouri	USA	Yes	Yes	No	No

University of Nebraska - Lincoln	Nebraska	USA	Yes	Yes	No	No
University of Nevada, Reno	Nevada	USA	Yes	Yes	No	No
University of New Haven	Connecticut	USA	Yes	No	No	No
University of North Carolina at Charlotte	North Carolina	USA	Yes	Yes	No	No
University of North Dakota	North Dakota	USA	Yes	Yes	Yes	Yes
University of Oklahoma	Oklahoma	USA	Yes	Yes	No	No
University of Pittsburgh	Pennsylvania	USA	Yes	Yes	Yes	No
University of Saskatchewan	Saskatchewan	Canada	Yes	Yes	No	No
University of South Carolina	South Carolina	USA	Yes	Yes	Yes	Yes
University of South Florida	Florida	USA	Yes	Yes	Yes	Yes
University of Southern Maine	Maine	USA	No	No	No	No
University of St. Thomas	Minnesota	USA	Yes	No	No	No
University of Tennessee, Chattanooga	Tennessee	USA	Yes	No	No	No
University of Tennessee, Knoxville	Tennessee	USA	Yes	Yes	No	No
University of Texas at Arlington	Texas	USA	Yes	Yes	No	No
University of Texas at Austin	Texas	USA	Yes	Yes	No	No
University of Texas at El Paso	Texas	USA	Yes	Yes	No	No
University of Texas at San Antonio	Texas	USA	Yes	Yes	No	No
University of the Pacific	California	USA	No	No	No	No
University of Toronto	Ontario	Canada	Yes	Yes	No	No
University of Utah	Utah	USA	Yes	Yes	Yes	No
University of Vermont	Vermont	USA	Yes	Yes	No	No
University of Washington	Washington	USA	Yes	Yes	No	No
University of Waterloo	Ontario	Canada	Yes	Yes	Yes	No

University of West Florida	Florida	USA	No	No	No	No
University of Western Ontario	Ontario	Canada	Yes	Yes	No	No
University of Wisconsin - Madison	Wisconsin	USA	Yes	Yes	Yes	No
University of Wisconsin - Milwaukee	Wisconsin	USA	Yes	Yes	No	No
University of Wisconsin - Platteville	Wisconsin	USA	No	No	No	No
University of Wyoming	Wyoming	USA	Yes	Yes	No	No
Valparaiso University	Indiana	USA	No	No	No	No
Virginia Polytechnic Institute and State University	Virginia	USA	Yes	Yes	No	No
Washington State University	Washington	USA	Yes	Yes	Yes	No
Wayne State University	Michigan	USA	Yes	Yes	No	No
West Virginia University	West Virginia	USA	Yes	Yes	No	No
West Virginia University Institute of Technology	West Virginia	USA	No	No	No	No
Western Carolina University	North Carolina	USA	No	No	No	No
Wichita State University	Kansas	USA	Yes	Yes	No	No
Worcester Polytechnic Institute	Massachusetts	USA	Yes	Yes	Yes	No