

Electrical Engineering

STARTING SALARY: \$57,600
MEDIAN INCOME: \$89,630



The diverse and progressive field of electrical and electronic engineering has grown rapidly and is one of the largest branches of engineering. Electrical engineers (EEs) are imaginative problem solvers. They enjoy challenges.

According to the Institute of Electrical and Electronic Engineering, “Electrical engineering is about 100 years old, and electronics has been a science for about 75 years. Electrical engineers specializing in power work with motors and generators, and design transmission lines and power plants. EEs specializing in electronics deal with communications, such as radio, television, and cell phones, and with digital and analog circuit technologies. All engineers draw from the fundamentals of science and mathematics. They design and work with electrical, electronic, electro-optical, and electromechanical devices, circuits, and systems. They collaborate with other professionals in developing sophisticated software tools that support design, verification, and testing. Electrical engineering is a discipline that integrates many other disciplines, such as physics, chemistry, mathematics, computer software and hardware, solid-state electronics, communications, electromagnetics and optics, signals and signal processing, systems science, reliability, engineering economics, and manufacturing.”

The developments of electrical and electronic engineers are everywhere. There are thousands of electrical devices and systems available today that electrical engineers have somehow touched. Anything you plug into the wall – stereos, computers, microwaves, televisions, power tools, air-conditioners, and major appliances – has been touched by an electrical engineer. Even things you can’t plug into the wall – satellites, cellular phones, and beepers – have been designed, manufactured, or modified by electrical engineers.

Job Outlook

Employment of electrical and electronics engineers is projected to grow 4 percent from 2012 to 2022, slower than the average for all occupations. Job growth is expected because of electrical and electronics engineers’ versatility in developing and applying emerging technologies.

Industries with the highest levels of employment in this occupation:

1. Engineering services
2. Electric power generation, transmission and distribution
3. Navigational, measuring, electromedical, and control instruments manufacturing
4. Semiconductor and other electronic component manufacturing
5. Machinery manufacturing

Top paying industries for this occupation:

1. Federal government, excluding postal service
2. Semiconductor and other electronic component manufacturing
3. Architectural, engineering, and related services
4. Navigational, measuring, electromedical, and control instruments manufacturing
5. Telecommunications

Source: US Bureau of Labor Statistics

Major specializations within electrical engineering include power plant/energy, communications, optical engineering, and computer engineering. Electrical engineers who specialize in power applications may work for utility companies designing power distribution systems. Or they may work on generating electricity by using alternative energy sources.

Engineers in this area may also decide they want to be a part of the “green economy” and get a job working in renewable energy. In this capacity they may develop the technology to generate, store, or distribute the renewable solar energy harvested from solar panels. They may be responsible for grid connections, designing the transmission lines or the logistics of transporting energy across the land. Or, they may design electrical, computer and automation systems, alarms, and communication systems.

According to the IEEE, “the key to employability is acquiring the knowledge and skill sets in demand by employers. Those who fail to gain or maintain knowledge and skill with tools, such as computer-aided design (CAD) and other software relevant to their work, are disadvantaged. The lack of communication and interpersonal skills, needed to work effectively on teams, can also be a stumbling block.”

The Institute of Electrical and Electronic Engineering (IEEE) has a fantastic website at www.ieee.org that is jam-packed with information about the world of electrical engineering. See the numerous divisions within the world’s largest technical professional society. The website has pages on internships and scholarships. It lists information on job hunting and has a job bank. Twenty-five percent of the world’s technical papers are produced each year through the IEEE. The institute has student chapters at numerous universities and offers student benefits such as group insurance programs, credit cards, auto and education loans, Kinko’s copy service discounts, and car rental discounts. Students receive the IEEE SPECTRUM magazine and a discount on membership. The website is well worth the time invested in browsing.

Glossary of Terms

Analog – of, relating to, or being a mechanism in which data is represented by continuously variable physical quantities (merriam-webster.com)

Circuit – the complete path that an electric current travels along (merriam-webster.com)

Communications – the ways of sending information to people by using technology (merriam-webster.com)

Digital – of or relating to information that is stored in the form of the numbers 0 and 1 (merriam-webster.com)

Electromagnetism – a magnetic field that is produced by a current of electricity (merriam-webster.com)

Electronic – operating through the use of many small electrical parts (such as microchips and transistors) (merriam-webster.com)

Generator – something that produces something; especially: a machine that produces electricity (merriam-webster.com)

Logistics – the handling of the details of an operation (merriam-webster.com)

Optics – the science that studies light and the way it affects and is affected by other things (merriam-webster.com)

Power – a source or means of supplying energy; especially: electricity (merriam-webster.com)

Power Grid – a system of high tension cables by which electrical power is distributed throughout a region (thefreedictionary.com)

Renewable Energy – Relating to or being a commodity or resource, such as solar energy or firewood, that is inexhaustible or replaceable by new growth (thefreedictionary.com)

Signals - a detectable physical quantity or impulse (as a voltage, current, or magnetic field strength) by which messages or information can be transmitted (merriam-webster.com)

Solid State Electronics - are those circuits or devices built entirely from solid materials and in which the electrons, or other charge carriers, are confined entirely within the solid material (merriam-webster.com)

Software - the programs that run on a computer and perform certain functions (merriam-webster.com)

System - a group of related parts that move or work together (merriam-webster.com)

Transmission Lines – system of conductors that transfers electrical signals from one location to another (thefreedictionary.com)

ABET Accredited Programs in Electrical Engineering

| School Name and Location | | Website | Program and Degree Name |
|--|-------------------------|--|--|
| Alabama A&M University | Huntsville, AL, US | www.aamu.edu | Electrical Engineering, BSEE |
| Alfred University | Alfred, NY, US | www.alfred.edu | Electrical Engineering, BS |
| Arizona State University | Tempe, AZ, US | www.asu.edu | Electrical Engineering, BSE |
| Arkansas State University | Jonesboro, AR, US | www.astate.edu | Electrical Engineering, BSEE |
| Arkansas Tech University | Russellville, AR, US | www.atu.edu | Electrical Engineering, BSEE |
| Auburn University | Auburn, AL, US | www.auburn.edu | Electrical Engineering with Computer Engineering Option, BEE |
| Auburn University | Auburn, AL, US | www.auburn.edu | Electrical Engineering, BEE |
| Baylor University | Waco, TX, US | www.baylor.edu | Electrical and Computer Engineering, BSECE |
| Baylor University | Waco, TX, US | www.baylor.edu | Electrical and Computer Engineering, BSECE |
| Boise State University | Boise, ID, US | www.boisestate.edu | Electrical Engineering, BS |
| Boston University | Boston, MA, US | www.bu.edu | Electrical Engineering, BS |
| Bradley University | Peoria, IL, US | www.bradley.edu | Electrical Engineering, BS |
| Brigham Young University | Provo, UT, US | www.byu.edu | Electrical Engineering, BS |
| Brigham Young University - Idaho | Rexburg, ID, US | www.byui.edu | Electrical Engineering, B.S. |
| Brown University | Providence, RI, US | www.brown.edu | Electrical Engineering, BS |
| Bucknell University | Lewisburg, PA, US | www.bucknell.edu | Electrical Engineering, BS |
| California Baptist University | Riverside, CA, US | | Electrical and Computer Engineering, BSECE |
| California Institute of Technology | Pasadena, CA, US | www.caltech.edu | Electrical Engineering, BS |
| California Polytechnic State University, San Luis Obispo | San Luis Obispo, CA, US | www.calpoly.edu | Electrical Engineering, BS |
| California State Polytechnic University, Pomona | Pomona, CA, US | www.csupomona.edu | Electrical Engineering, BS |
| California State University, Chico | Chico, CA, US | www.csuchico.edu | Electrical/Electronic(s) Engineering, BS |
| California State University, Fresno | Fresno, CA, US | www.csufresno.edu | Electrical Engineering, BS |
| California State University, Fullerton | Fullerton, CA, US | www.fullerton.edu | Electrical Engineering, BS |
| California State University, Long Beach | Long Beach, CA, US | www.csulb.edu | Electrical Engineering, BS |
| California State University, Los Angeles | Los Angeles, CA, US | www.calstatela.edu | Electrical Engineering, B.S. |
| California State University, Northridge | Northridge, CA, US | www.csun.edu | Electrical Engineering, BS |
| California State University, Sacramento | Sacramento, CA, US | www.csus.edu | Electrical and Electronic(s) Engineering, BS |
| Capitol College | Laurel, MD, US | www.capitol-college.edu | Electrical Engineering, BS |
| Carnegie Mellon University | Pittsburgh, PA, US | www.cmu.edu | Electrical and Computer Engineering, BS |
| Case Western Reserve University | Cleveland, OH, US | www.case.edu | Electrical Engineering, BS |

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|--|--------------------------|--|--|
| Cedarville University | Cedarville, OH, US | www.cedarville.edu | Electrical Engineering, B.S.E.E. |
| Central Michigan University | Mt. Pleasant, MI, US | www.cmich.edu | Electrical Engineering, BSEE |
| Christian Brothers University | Memphis, TN, US | www.cbu.edu | Electrical Engineering, BS |
| City University of New York, City College | New York, NY, US | www.cuny.cuny.edu | Electrical Engineering, BE |
| Clarkson University | Potsdam, NY, US | www.clarkson.edu | Electrical Engineering, BS |
| Clemson University | Clemson, SC, US | www.clemson.edu | Electrical Engineering, BS |
| Cleveland State University | Cleveland, OH, US | www.csuohio.edu/engineering | Electrical Engineering, BS |
| Colorado State University | Fort Collins, CO, US | www.colostate.edu | Electrical Engineering, BS |
| Colorado Technical University | Colorado Springs, CO, US | www.coloradotech.edu | Electrical Engineering, BS |
| Columbia University | New York, NY, US | www.columbia.edu | Electrical Engineering, BS |
| Cooper Union | New York, NY, US | www.cooper.edu | Electrical Engineering, BS |
| Cornell University | Ithaca, NY, US | www.cornell.edu | Electrical and Computer Engineering, BS |
| Drexel University | Philadelphia, PA, US | www.drexel.edu | Electrical Engineering, BS |
| Duke University | Durham, NC, US | www.duke.edu | Electrical and Computer Engineering, BSE |
| Eastern Washington University | Cheney, WA, US | www.ewu.edu | Electrical Engineering, BS |
| Embry - Riddle Aeronautical University - Daytona Beach | Daytona Beach, FL, US | www.db.erau.edu | Electrical Engineering, BS |
| Embry-Riddle Aeronautical University - Prescott | Prescott, AZ, US | prescott.erau.edu | Electrical Engineering, BSEE |
| Fairfield University | Fairfield, CT, US | www.fairfield.edu | Electrical Engineering, BS |
| Fairleigh Dickinson University (Metropolitan Campus) | Teaneck, NJ, US | www.fdu.edu | Electrical Engineering, BS |
| Florida A&M University | Tallahassee, FL, US | www.famu.edu | Electrical Engineering, BS |
| Florida Atlantic University | Boca Raton, FL, US | www.fau.edu | Electrical Engineering, BS |
| Florida Institute of Technology | Melbourne, FL, US | www.fit.edu | Electrical Engineering, BS |
| Florida International University (Modesto Maidique Campus) | Miami, FL, US | www.fiu.edu | Electrical Engineering, BS |
| Florida State University | Tallahassee, FL, US | www.fsu.edu | Electrical Engineering, BS |
| Franklin W. Olin College of Engineering | Needham, MA, US | www.olin.edu | Electrical and Computer Engineering, BSECE |
| Gannon University | Erie, PA, US | www.gannon.edu | Electrical Engineering, BSEE |
| George Mason University | Fairfax, VA, US | www.gmu.edu | Electrical Engineering, BS-EE |
| Georgia Institute of Technology | Atlanta, GA, US | www.gatech.edu | Electrical Engineering, BS |
| Gonzaga University | Spokane, WA, US | www.gonzaga.edu | Electrical Engineering, BS |
| Grand Valley State University | Allendale, MI, US | www.gvsu.edu | Electrical Engineering, BSE |
| Grove City College | Grove City, PA, US | www.gcc.edu | Electrical Engineering, BS |
| Hampton University | Hampton, VA, US | www.hamptonu.edu | Electrical Engineering, BS |
| Harding University | Searcy, AR, US | www.harding.edu | Electrical Engineering, BS |
| Hofstra University | Hempstead, NY, US | www.hofstra.edu | Electrical Engineering, BS |
| Howard University | Washington, DC, US | www.howard.edu | Electrical Engineering, BS |

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|--|---------------------------|--|---|
| Idaho State University | Pocatello, ID, US | www.isu.edu | Electrical Engineering, BS |
| Illinois Institute of Technology | Chicago, IL, US | www.iit.edu | Electrical Engineering, BS |
| Indiana Institute of Technology | Fort Wayne, IN, US | www.indianatech.edu | Electrical Engineering, BS |
| Indiana University - Purdue University Indianapolis | Indianapolis, IN, US | www.iupui.edu | Electrical Engineering, BS |
| Indiana University-Purdue University Fort Wayne | Fort Wayne, IN, US | www.ipfw.edu | Electrical Engineering, BSEE |
| Inter American University of Puerto Rico, Bayamon Campus | Bayamon, PR, US | http://bc.inter.edu | Electrical Engineering, B.S. |
| Iowa State University | Ames, IA, US | www.iastate.edu | Electrical Engineering, BS |
| Kansas State University | Manhattan, KS, US | www.k-state.edu | Electrical Engineering, BS |
| Kettering University | Flint, MI, US | www.kettering.edu | Electrical Engineering, BSEE |
| Lafayette College | Easton, PA, US | www.lafayette.edu | Electrical and Computer Engineering, BS |
| Lake Superior State University | Sault Ste. Marie, MI, US | www.lssu.edu | Electrical Engineering, BS |
| Lamar University | Beaumont, TX, US | www.lamar.edu | Electrical Engineering, BS |
| Lawrence Technological University | Southfield, MI, US | www.ltu.edu | Electrical Engineering, BS |
| Lehigh University | Bethlehem, PA, US | www.lehigh.edu | Electrical Engineering, BS |
| Liberty University | Lynchburg, VA, US | www.liberty.edu | Electrical Engineering, B.S. |
| Lipscomb University | Nashville, TN, US | www.lipscomb.edu | Electrical and Computer Engineering, B.S. |
| Louisiana State University and A&M College | Baton Rouge, LA, US | www.lsu.edu | Electrical Engineering, BS |
| Louisiana Tech University | Ruston, LA, US | www.latech.edu | Electrical Engineering, BS |
| Loyola Marymount University | Los Angeles, CA, US | www.lmu.edu | Electrical Engineering, B.S.E. |
| Manhattan College | Riverdale, NY, US | www.manhattan.edu | Electrical Engineering, BS |
| Marquette University | Milwaukee, WI, US | www.mu.edu | Electrical Engineering, BSEE |
| Massachusetts Institute of Technology | Cambridge, MA, US | www.mit.edu | Electrical Engineering and Computer Science, BS |
| Massachusetts Institute of Technology | Cambridge, MA, US | www.mit.edu | Electrical Science and Engineering, BS |
| Merrimack College | North Andover, MA, US | www.merrimack.edu | Electrical Engineering, BS |
| Miami University | Oxford, OH, US | www.muohio.edu | Electrical Engineering, BS |
| Michigan State University | East Lansing, MI, US | www.msu.edu | Electrical Engineering, BS |
| Michigan Technological University | Houghton, MI, US | www.mtu.edu | Electrical Engineering, BS |
| Milwaukee School of Engineering | Milwaukee, WI, US | www.msoe.edu | Electrical Engineering, BS |
| Minnesota State University, Mankato | Mankato, MN, US | www.mnsu.edu | Electrical Engineering, BS |
| Mississippi State University | Mississippi State, MS, US | www.msstate.edu | Electrical Engineering, BS |
| Missouri University of Science and Technology | Rolla, MO, US | www.mst.edu | Electrical Engineering, BS |

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|--|-------------------------|--|---|
| Montana State University - Bozeman | Bozeman, MT, US | www.montana.edu | Electrical Engineering, BS |
| Montana Tech of the University of Montana | Butte, MT, US | www.mtech.edu | Electrical Engineering, BS |
| Morgan State University | Baltimore, MD, US | www.morgan.edu | Electrical Engineering, BS |
| New Jersey Institute of Technology | Newark, NJ, US | www.njit.edu | Electrical Engineering, BSEE |
| New Mexico Institute of Mining and Technology | Socorro, NM, US | www.nmt.edu | Electrical Engineering, BS |
| New Mexico State University | Las Cruces, NM, US | www.nmsu.edu | Electrical Engineering, BSEE |
| New York Institute of Technology | Old Westbury, NY, US | www.nyit.edu | Electrical and Computer Engineering, BS |
| Norfolk State University | Norfolk, VA, US | www.nsu.edu | Electronics Engineering, BSEE |
| North Carolina Agricultural and Technical State University | Greensboro, NC, US | www.ncat.edu | Electrical Engineering, BS |
| North Carolina State University at Raleigh | Raleigh, NC, US | www.ncsu.edu | Electrical Engineering, BS |
| North Dakota State University | Fargo, ND, US | www.ndsu.edu | Electrical Engineering, BS |
| Northeastern University | Boston, MA, US | www.northeastern.edu | Electrical Engineering, BS |
| Northern Arizona University | Flagstaff, AZ, US | www.nau.edu | Electrical Engineering, BSE |
| Northern Illinois University | Dekalb, IL, US | www.niu.edu | Electrical Engineering, B.S. |
| Northwestern University | Evanston, IL, US | www.northwestern.edu | Electrical Engineering, BS |
| Norwich University | Northfield, VT, US | www.norwich.edu | Electrical Engineering, BS |
| Oakland University | Rochester, MI, US | www.oakland.edu | Electrical Engineering, BSE |
| Ohio Northern University | Ada, OH, US | www.onu.edu | Electrical Engineering, BSEE |
| Ohio University | Athens, OH, US | www.ohiou.edu | Electrical Engineering, BS |
| Oklahoma Christian University | Oklahoma City, OK, US | www.oc.edu | Electrical Engineering, BS |
| Oklahoma State University | Stillwater, OK, US | www.osu.okstate.edu | Electrical Engineering, BSEE |
| Old Dominion University | Norfolk, VA, US | www.odu.edu | Electrical Engineering, BS |
| Oregon Institute of Technology | Klamath Falls, OR, US | www.oit.edu | Electrical Engineering, B.S. |
| Oregon State University | Corvallis, OR, US | www.oregonstate.edu | Electrical and Computer Engineering, BS |
| Pennsylvania State University | University Park, PA, US | www.psu.edu | Electrical Engineering, BS |
| Pennsylvania State University, Behrend College | Erie, PA, US | http:psbehrend.psu.edu | Electrical Engineering, BS |
| Pennsylvania State University, Harrisburg, The Capital College | Middletown, PA, US | www.hbg.psu.edu | Electrical Engineering, BS |
| Polytechnic Institute of New York University | Brooklyn, NY, US | www.poly.edu | Electrical Engineering, BS |
| Polytechnic University of Puerto Rico | San Juan, PR, US | www.pupr.edu | Electrical Engineering, BS |
| Portland State University | Portland, OR, US | www.pdx.edu | Electrical Engineering, BS |
| Prairie View A&M University | Prairie View, TX, US | www.pvamu.edu | Electrical Engineering, BSEE |

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|---|---------------------------|--|---|
| Princeton University | Princeton, NJ, US | www.princeton.edu/index.shtml | Electrical Engineering, BSE |
| Purdue University at West Lafayette | West Lafayette, IN, US | www.purdue.edu | Electrical Engineering, BS |
| Purdue University Calumet | Hammond, IN, US | www.purduecal.edu | Electrical Engineering, BS |
| Rensselaer Polytechnic Institute | Troy, NY, US | www.rpi.edu | Electric Power Engineering, BS |
| Rensselaer Polytechnic Institute | Troy, NY, US | www.rpi.edu | Electrical Engineering, BS |
| Rice University | Houston, TX, US | www.rice.edu | Electrical Engineering, BSEE |
| Rochester Institute of Technology | Rochester, NY, US | www.rit.edu | Electrical Engineering, BS |
| Rose-Hulman Institute of Technology | Terre Haute, IN, US | www.rose-hulman.edu | Electrical Engineering, BS |
| Rowan University | Glassboro, NJ, US | www.rowan.edu | Electrical and Computer Engineering, BS |
| Rutgers, The State University of New Jersey | New Brunswick, NJ, US | www.rutgers.edu | Electrical and Computer Engineering, BS |
| Saginaw Valley State University | University Center, MI, US | www.svsu.edu | Electrical Engineering, BSEE |
| Saint Louis University | St. Louis, MO, US | parks.slu.edu | Electrical Engineering, BS |
| San Diego State University | San Diego, CA, US | www.sdsu.edu | Electrical Engineering, BS |
| San Francisco State University | San Francisco, CA, US | www.sfsu.edu | Electrical Engineering, BS |
| San Jose State University | San Jose, CA, US | www.sjsu.edu | Electrical Engineering, BS |
| Santa Clara University | Santa Clara, CA, US | www.scu.edu | Electrical Engineering, BSEE |
| Seattle Pacific University | Seattle, WA, US | www.spu.edu | Electrical Engineering, BS |
| Seattle University | Seattle, WA, US | www.seattleu.edu | Electrical Engineering, BSEE |
| South Dakota School of Mines and Technology | Rapid City, SD, US | www.sdsmt.edu | Electrical Engineering, BS |
| South Dakota State University | Brookings, SD, US | www3.sdstate.edu/ | Electrical Engineering, BS |
| Southern Illinois University at Carbondale | Carbondale, IL, US | www.siu.edu | Electrical Engineering, BS |
| Southern Illinois University Edwardsville | Edwardsville, IL, US | www.siu.edu | Electrical Engineering, BS |
| Southern Methodist University | Dallas, TX, US | www.smu.edu | Electrical Engineering, BSEE |
| Southern University and Agricultural & Mechanical College | Baton Rouge, LA, US | www.subr.edu | Electrical Engineering, BS |
| St. Cloud State University | St. Cloud, MN, US | www.stcloudstate.edu | Electrical Engineering, BS |
| St. Mary's University | San Antonio, TX, US | www.stmarytx.edu | Electrical Engineering, BS |
| State University of New York at Binghamton | Binghamton, NY, US | www.binghamton.edu | Electrical Engineering, BS |
| State University of New York at Buffalo | Buffalo, NY, US | www.buffalo.edu | Electrical Engineering, BS |
| State University of New York at New Paltz | New Paltz, NY, US | www.newpaltz.edu | Electrical Engineering, BS |

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|---|-------------------------|--|--------------------------------|
| State University of New York Maritime College | Bronx, NY, US | www.sunymaritime.edu | Electrical Engineering, BE |
| Stevens Institute of Technology | Hoboken, NJ, US | www.stevens.edu | Electrical Engineering, BE |
| Stony Brook University | New York, NY, US | www.sunysb.edu | Electrical Engineering, BE |
| Suffolk University | Boston, MA, US | www.suffolk.edu | Electrical Engineering, B.S.E. |
| Syracuse University | Syracuse, NY, US | www.syr.edu | Electrical Engineering, BS |
| Temple University | Philadelphia, PA, US | www.temple.edu | Electrical Engineering, BS |
| Tennessee State University | Nashville, TN, US | www.tnstate.edu | Electrical Engineering, BS |
| Tennessee Technological University | Cookeville, TN, US | www.tntech.edu | Electrical Engineering, BS |
| Texas A&M University | College Station, TX, US | www.tamu.edu | Electrical Engineering, BS |
| Texas A&M University - Kingsville | Kingsville, TX, US | www.tamuk.edu | Electrical Engineering, BS |
| Texas State University | San Marcos, TX, US | www.txstate.edu | Electrical Engineering, B.S. |
| Texas Tech University | Lubbock, TX, US | www.texastech.edu | Electrical Engineering, BS |
| The Catholic University of America | Washington, DC, US | www.cua.edu | Electrical Engineering, BS |
| The Citadel | Charleston, SC, US | www.citadel.edu | Electrical Engineering, BS |
| The College of New Jersey | Ewing, NJ, US | www.tcnj.edu | Electrical Engineering, BSEE |
| The George Washington University | Washington, DC, US | www.gwu.edu | Electrical Engineering, BS |
| The Johns Hopkins University | Baltimore, MD, US | www.jhu.edu | Electrical Engineering, BS |
| The Ohio State University | Columbus, OH, US | www.osu.edu | Electrical Engineering, BSECE |
| The University of Akron | Akron, OH, US | www.uakron.edu | Electrical Engineering, BS |
| The University of Alabama | Tuscaloosa, AL, US | www.ua.edu | Electrical Engineering, BSEE |
| The University of Alabama in Huntsville | Huntsville, AL, US | www.uah.edu | Electrical Engineering, BSE |
| The University of Kansas | Lawrence, KS, US | www.ku.edu | Electrical Engineering, BS |
| The University of Memphis | Memphis, TN, US | www.memphis.edu | Electrical Engineering, BS |
| The University of Texas - Pan American | Edinburg, TX, US | www.utpa.edu | Electrical Engineering, BSEE |
| The University of Texas at San Antonio | San Antonio, TX, US | www.utsa.edu | Electrical Engineering, BS |
| The University of Toledo | Toledo, OH, US | www.utoledo.edu | Electrical Engineering, BS |
| The University of Tulsa | Tulsa, OK, US | www.utulsa.edu | Electrical Engineering, BS |
| Trine University | Angola, IN, US | trine.edu/wearetrine | Electrical Engineering, BSEE |
| Tufts University | Medford, MA, US | www.tufts.edu | Electrical Engineering, BS |
| Tuskegee University | Tuskegee, AL, US | www.tuskegee.edu | Electrical Engineering, BS |
| Union College | Schenectady, NY, US | www.union.edu | Electrical Engineering, BS |
| United States Air Force Academy | USAF, CO, US | www.usafa.af.mil | Electrical Engineering, BS |
| United States Coast Guard Academy | New London, CT, US | www.cga.edu | Electrical Engineering, BS |

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|--|--|---|
| United States Military Academy | West Point, NY, US www.usma.edu | Electrical Engineering, BS |
| United States Naval Academy | Annapolis, MD, US www.usna.edu | Electrical Engineering, BS |
| University of Alabama at Birmingham | Birmingham, AL, US www.uab.edu | Electrical Engineering, BS |
| University of Alaska Anchorage | Anchorage, AK, US www.uaa.alaska.edu | Electrical Engineering, BSE |
| University of Alaska Fairbanks | Fairbanks, AK, US www.uaf-cem@alaska.edu | Electrical Engineering, BS |
| University of Arizona | Tucson, AZ, US www.arizona.edu | Electrical Engineering, BS |
| University of Arkansas | Fayetteville, AR, US www.uark.edu | Electrical Engineering, BS |
| University of California, Berkeley | Berkeley, CA, US www.berkeley.edu | Electrical and Computer Engineering and Materials Science and Engineering, BS |
| University of California, Berkeley | Berkeley, CA, US www.berkeley.edu | Electrical and Computer Engineering and Nuclear Engineering, BS |
| University of California, Berkeley | Berkeley, CA, US www.berkeley.edu | Electrical and Computer Engineering, BS |
| University of California, Davis | Davis, CA, US www.ucdavis.edu | Electrical Engineering, BS |
| University of California, Irvine | Irvine, CA, US http://www.uci.edu/ | Electrical Engineering, BS |
| University of California, Los Angeles | Los Angeles, CA, US www.ucla.edu | Electrical Engineering, BS |
| University of California, Riverside | Riverside, CA, US www.ucr.edu | Electrical Engineering, BS |
| University of California, San Diego | La Jolla, CA, US www.ucsd.edu | Electrical Engineering, BS |
| University of California, Santa Barbara | Santa Barbara, CA, US www.ucsb.edu | Electrical Engineering, BS |
| University of California, Santa Cruz | Santa Cruz, CA, US www.ucsc.edu/oncampus/ | Electrical Engineering, BS |
| University of Central Florida | Orlando, FL, US www.ucf.edu | Electrical Engineering, BS |
| University of Cincinnati | Cincinnati, OH, US www.uc.edu | Electrical Engineering, BS |
| University of Colorado at Boulder | Boulder, CO, US www.colorado.edu | Electrical and Computer Engineering, BS |
| University of Colorado at Boulder | Boulder, CO, US www.colorado.edu | Electrical Engineering, BS |
| University of Colorado at Colorado Springs | Colorado Springs, CO, US www.uccs.edu | Electrical Engineering, BS |
| University of Colorado Denver | Denver, CO, US www.ucdenver.edu | Electrical Engineering, BSEE |
| University of Connecticut | Storrs, CT, US www.uconn.edu | Electrical Engineering, BSE |
| University of Dayton | Dayton, OH, US www.udayton.edu | Electrical Engineering, BEE |
| University of Delaware | Newark, DE, US www.udel.edu | Electrical Engineering, BS |
| University of Denver | Denver, CO, US www.du.edu | Electrical Engineering, BSEE |
| University of Detroit Mercy | Detroit, MI, US www.udmercy.edu | Electrical Engineering, BS |
| University of Evansville | Evansville, IN, US www.evansville.edu | Electrical Engineering, BSEE |
| University of Florida | Gainesville, FL, US www.ufl.edu | Electrical Engineering, BS |
| University of Hartford | West Hartford, CT, US www.hartford.edu | Electrical Engineering, BSEE |

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| School Name and Location | Website | Program and Degree Name |
|--|--|--|
| University of Hawaii at Manoa | Honolulu, HI, US www.manoa.hawaii.edu | Electrical Engineering, BS |
| University of Houston | Houston, TX, US www.uh.edu | Electrical Engineering, BSEE |
| University of Idaho | Moscow, ID, US www.uidaho.edu | Electrical Engineering, BS |
| University of Illinois at Chicago | Chicago, IL, US www.uic.edu | Electrical Engineering, BS |
| University of Illinois at Urbana - Champaign | Urbana, IL, US www.illinois.edu | Electrical Engineering, BS |
| University of Iowa | Iowa City, IA, US www.uiowa.edu | Electrical Engineering, BSE |
| University of Kentucky | Lexington, KY, US www.uky.edu | Electrical Engineering, BSEE |
| University of Louisiana at Lafayette | Lafayette, LA, US www.louisiana.edu | Electrical Engineering, BS |
| University of Louisville | Louisville, KY, US www.louisville.edu | Electrical Engineering, BS |
| University of Maine | Orono, ME, US www.umaine.edu | Electrical Engineering, BS |
| University of Maryland College Park | College Park, MD, US www.umd.edu | Electrical Engineering, BS |
| University of Massachusetts Amherst | Amherst, MA, US www.umass.edu | Electrical Engineering, BS |
| University of Massachusetts Dartmouth | North Dartmouth, MA, US www.umassd.edu | Electrical Engineering, BSEE |
| University of Massachusetts Lowell | Lowell, MA, US www.uml.edu | Electrical Engineering, BS |
| University of Miami | Coral Gables, FL, US www.miami.edu | Electrical Engineering, BSEE |
| University of Michigan | Ann Arbor, MI, US www.umich.edu | Electrical Engineering, BSE |
| University of Michigan - Dearborn | Dearborn, MI, US www.umd.umich.edu | Electrical Engineering, BSE |
| University of Minnesota - Twin Cities | Minneapolis, MN, US www.umn.edu | Electrical Engineering, BEE |
| University of Minnesota Duluth | Duluth, MN, US www.d.umn.edu | Electrical and Computer Engineering, BSECE |
| University of Minnesota Duluth | Duluth, MN, US www.d.umn.edu | Electrical Engineering, BSEE |
| University of Mississippi | University, MS, US www.olemiss.edu | Electrical Engineering, BS |
| University of Missouri - Kansas City | Kansas City, MO, US www.umkc.edu | Electrical and Computer Engineering, BS |
| University of Missouri - St. Louis | St. Louis, MO, US www.umsl.edu | Electrical Engineering, BSEE |
| University of Missouri-Columbia | Columbia, MO, US www.missouri.edu | Electrical Engineering, BSEE |
| University of Nebraska - Lincoln | Lincoln, NE, US www.unl.edu | Electrical Engineering, BS |
| University of Nebraska - Lincoln | Lincoln, NE, US www.unl.edu | Electronic Engineering, BS |
| University of Nevada, Reno | Reno, NV, US www.unr.edu | Electrical Engineering, BS |
| University of Nevada-Las Vegas | Las Vegas, NV, US www.unlv.edu | Electrical Engineering, BSE |
| University of New Hampshire | Durham, NH, US www.unh.edu | Electrical Engineering, BS |

ABET Accredited Programs in Electrical Engineering

| School Name and Location | | Website | Program and Degree Name |
|--|------------------------|---|---|
| University of New Haven | West Haven, CT, US | http://www.newhaven.edu/8/ | Electrical Engineering, BS |
| University of New Mexico | Albuquerque, NM, US | www.unm.edu | Electrical Engineering, BS |
| University of New Orleans | New Orleans, LA, US | www.uno.edu | Electrical Engineering, BSEE |
| University of North Carolina at Charlotte | Charlotte, NC, US | www.uncc.edu | Electrical Engineering, BS |
| University of North Dakota | Grand Forks, ND, US | www.und.edu | Electrical Engineering, BS |
| University of North Florida | Jacksonville, FL, US | www.unf.edu | Electrical Engineering, BS |
| University of North Texas | Denton, TX, US | www.unt.edu | Electrical Engineering, BS |
| University of Notre Dame | Notre Dame, IN, US | www.nd.edu | Electrical Engineering, BS |
| University of Oklahoma | Norman, OK, US | www.ou.edu | Electrical Engineering, BS |
| University of Pennsylvania | Philadelphia, PA, US | www.upenn.edu | Electrical Engineering, BSE |
| University of Pittsburgh | Pittsburgh, PA, US | www.pitt.edu | Electrical Engineering, BS |
| University of Portland | Portland, OR, US | www.up.edu | Electrical Engineering, BS |
| University of Puerto Rico, Mayaguez Campus | Mayaguez, PR, US | www.uprm.edu | Electrical Engineering, BS |
| University of Rhode Island | Kingston, RI, US | www.uri.edu | Electrical Engineering, BS |
| University of Rochester | Rochester, NY, US | www.rochester.edu | Electrical and Computer Engineering, BS |
| University of San Diego | San Diego, CA, US | www.sandiego.edu | Electrical Engineering, BS/BA |
| University of Scranton | Scranton, PA, US | www.scranton.edu | Electrical Engineering, B.S. |
| University of South Alabama | Mobile, AL, US | www.usouthal.edu | Electrical Engineering, BS |
| University of South Carolina | Columbia, SC, US | www.sc.edu | Electrical Engineering, BSE |
| University of South Florida | Tampa, FL, US | www.usf.edu | Electrical Engineering, BS |
| University of Southern California | Los Angeles, CA, US | www.usc.edu | Electrical Engineering, BS |
| University of Southern Maine | Portland, ME, US | www.usm.maine.edu | Electrical Engineering, BS |
| University of St. Thomas | St. Paul, MN, US | www.stthomas.edu | Electrical Engineering, BSEE |
| University of Tennessee at Chattanooga | Chattanooga, TN, US | www.utc.edu | Electrical Engineering, BSEE |
| University of Tennessee at Knoxville | Knoxville, TN, US | www.utk.edu | Electrical Engineering, BS |
| University of Texas at Arlington | Arlington, TX, US | www.uta.edu | Electrical Engineering, BS |
| University of Texas at Austin | Austin, TX, US | www.utexas.edu | Electrical Engineering, BS |
| University of Texas at Dallas | Richardson, TX, US | www.utdallas.edu | Electrical Engineering, BS |
| University of Texas at El Paso | El Paso, TX, US | www.utep.edu | Electrical Engineering, BSEE |
| University of Texas at Tyler | Tyler, TX, US | www.uttyler.edu | Electrical Engineering, BSEE |
| University of the District of Columbia | Washington, DC, US | www.udc.edu | Electrical Engineering, BSEE |
| University of the Pacific | Stockton, CA, US | http://www.pacific.edu/ | Electrical Engineering, BS |
| University of Turabo | Gurabo, PR, US | | Electrical Engineering, B.S. |
| University of Utah | Salt Lake City, UT, US | www.utah.edu | Electrical Engineering, BS |
| University of Vermont | Burlington, VT, US | http://www.uvm.edu/~cems/ | Electrical Engineering, BS |

ABET Accredited Programs in Electrical Engineering

| School Name and Location | | Website | Program and Degree Name |
|---|-------------------------|--|---|
| University of Virginia | Charlottesville, VA, US | www.virginia.edu | Electrical Engineering, BS |
| University of Washington | Seattle, WA, US | www.engr.washington.edu | Electrical Engineering, BSEE |
| University of Washington Bothell | Bothell, WA, US | www.uwb.edu | Electrical Engineering, B.S.E.E. |
| University of West Florida | Pensacola, FL, US | www.uwf.edu | Electrical Engineering, BS |
| University of Wisconsin - Madison | Madison, WI, US | www.wisc.edu | Electrical Engineering, BS |
| University of Wisconsin - Platteville | Platteville, WI, US | www.uwplatt.edu | Electrical Engineering, BS |
| University of Wisconsin - Milwaukee | Milwaukee, WI, US | www.uwm.edu | Electrical Engineering, BSE |
| University of Wyoming | Laramie, WY, US | www.uwyo.edu | Electrical Engineering, BS |
| Utah State University | Logan, UT, US | www.usu.edu | Electrical Engineering, BS |
| Valparaiso University | Valparaiso, IN, US | www.valpo.edu | Electrical Engineering, BS |
| Vanderbilt University | Nashville, TN, US | www.vanderbilt.edu | Electrical Engineering, BE |
| Villanova University | Villanova, PA, US | www.villanova.edu | Electrical Engineering, BS |
| Virginia Commonwealth University | Richmond, VA, US | www.vcu.edu | Electrical Engineering, BS |
| Virginia Military Institute | Lexington, VA, US | www.vmi.edu | Electrical and Computer Engineering, BS |
| Virginia Polytechnic Institute and State University | Blacksburg, VA, US | www.vt.edu | Electrical Engineering, BS |
| Washington State University | Pullman, WA, US | www.wsu.edu | Electrical Engineering, BS |
| Washington University | St. Louis, MO, US | www.wustl.edu | Electrical Engineering, BS |
| Wayne State University | Detroit, MI, US | www.wayne.edu | Electrical Engineering, BSEE |
| Weber State University | Ogden, UT, US | www.weber.edu | Electronics Engineering, B.S. |
| West Virginia University | Morgantown, WV, US | www.wvu.edu | Electrical Engineering, BS |
| West Virginia University Institute of Technology | Montgomery, WV, US | www.wvutec.edu | Electrical Engineering, BS |
| Western Carolina University | Cullowhee, NC, US | www.wcu.edu | Electrical Engineering, B.S.E.E. |
| Western Kentucky University | Bowling Green, KY, US | www.wku.edu/engineering | Electrical Engineering, BS |
| Western Michigan University | Kalamazoo, MI, US | www.wmich.edu | Electrical Engineering, BSE |
| Western New England College | Springfield, MA, US | www.wnec.edu | Electrical Engineering, BS |
| Wichita State University | Wichita, KS, US | www.wichita.edu | Electrical Engineering, BS |
| Widener University | Chester, PA, US | www.widener.edu | Electrical Engineering, BS |
| Wilkes University | Wilkes-Barre, PA, US | www.wilkes.edu | Electrical Engineering, BS |
| Worcester Polytechnic Institute | Worcester, MA, US | www.wpi.edu | Electrical and Computer Engineering, BS |
| Wright State University | Dayton, OH, US | www.wright.edu | Electrical Engineering, BS |
| Yale University | New Haven, CT, US | www.seas.yale.edu | Electrical Engineering, BS |
| York College of Pennsylvania | York, PA, US | www.ycp.edu | Electrical Engineering, B.S. |
| Youngstown State University | Youngstown, OH, US | www.ysu.edu | Electrical Engineering, BE |