





Company Name	Table #
Akron Children's Hospital	70
AIChE	30
American Society of Materials (ASM)	46
American Society of Mechanical Engineers (ASME)	59
ARSC Aerospace	65
Camp Tech Inc	32
CCG Energy Solutions	62
CISCO	36
Cleveland Clinic	72-73
Cleveland Engineering Society (CES)	41
Cleveland Metroparks	68
Cuyahoga County Coroner's Office	69
Great Lakes Science Center	26-27
Hard Hatted Women	44
Jina Demeo	71
Keyland Polymer	67
Lockheed Martin	50
Metrics Marketing Group	45
Metro Health Medical Center	74
Microsoft Corporation	40
Moen	38-39
Mutual Shareholder Services, LLC	37
Nalco Co	29
NASA	28
National Association of Women in Construction	49
Parker Hannifin Corporation	52
Product Tree	55
Progressive	33-34
Rockwell Automation	58
Sherwin-Williams	31
Society of Women Engineers	9
SSP Fittings	47
STEMout	53-54
Summa Western Reserve Hospital	77
Summit Dental Specialist	75
Swagelok	64
Thai Massage Cleveland	76
The Lubrizol Corporation	61
The RoviSys Company	63
Twinsburg Fire Department	78
University Hospitals	80-81
URS	56
Us Dept of Agriculture, Natural Resource Conservation Service	60
Valtronic USA Inc	51

-  Science
-  Technology
-  Engineering
-  Math

Colored stars are located on signs at business tables



NOW IS YOUR CHANCE TO GET INFORMATION!

QUESTIONS **you** might want to ask the STEM Professionals...

1. What courses should I take in high school to prepare myself for a career in this STEM field?
2. What type of math and science classes would I have to take in college to pursue your STEM discipline?
3. What college/colleges do you think have the best program/programs for your area of STEM?
4. What should I do outside of school to help me prepare for a career in STEM?
5. What is the best advice you could give me to help me be successful in pursuing a career in STEM?
6. What do you enjoy most about your career?
7. What STEM fields will have the most job demand in the future?
8. Where did you receive your education?
9. Should I participate in a co-op or internship while in college?
10. Do you know if your company has internships for high school or college students?

NOTES:

THE WORLD OF STEM

Science, Technology, Engineering & Mathematics ARE EVERYWHERE

Look around your world for **STEM** in action.

If you want to build a world full of new opportunities for learning, for career,
and for life, start with **STEM**



HOME

- *Zap a snack in the microwave
- *Check Facebook
- *Play Xbox



CAR

- *Starting your car
- *Driving your car
- *Steering your car



MUSIC

- *Record music
- *Purchase and store music
- *Listen to tunes



SCHOOL

- *Interactive whiteboards
- *On line grade tracker
- *Morning announcements



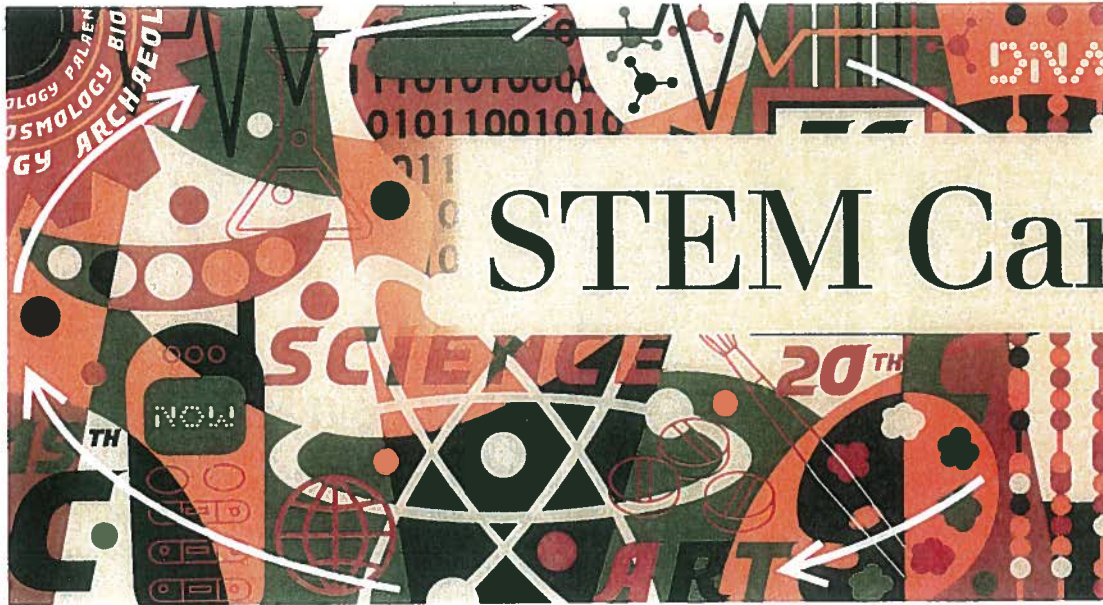
SPORTS

- *Strong helmets
- *Lightweight shin guards
- *High-tech shoes



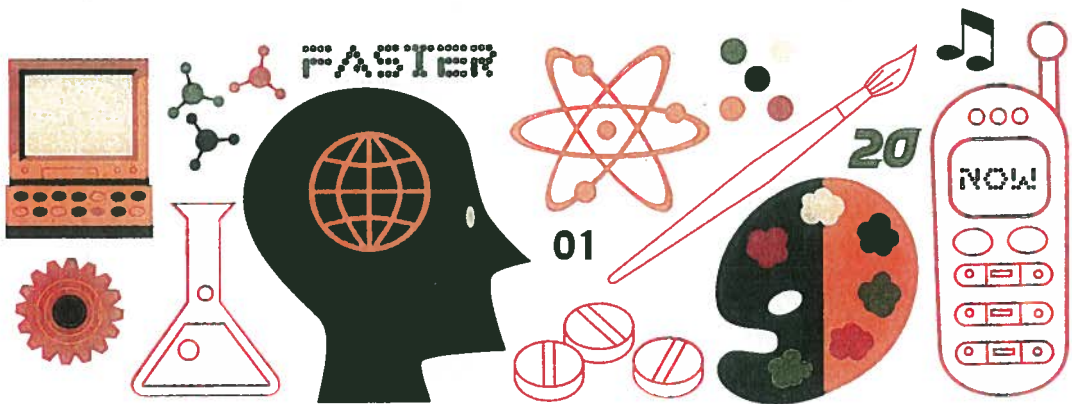
SHOPPING

- *Gift, debit & credit cards
- *Heating & lighting
- *Security cameras



STEM Careers

If you think that STEM is only for math and science whizzes, think again. There are STEM career options for every kind of student. Start exploring by learning about the STEM sector.



■ WHERE THE JOBS ARE: HOT SECTORS IN STEM

Building a leaner, cleaner, and greener nation begins with STEM. For students interested in STEM careers, future opportunities will be plentiful in sectors related to eco-friendly energy generation, sustainable resources, “green chemistry,” and environmental stewardship and protection.

Another emerging STEM sector is geospatial technology, which combines knowledge of Earth and space with high technology. Photogrammetrists and remote sensing specialists use pictures and other information from satellites, planes, and ground sensors to plot and gather data about where things are on Earth.

Want to focus your STEM studies on a sector where the job outlook is brightest? Start by researching these 15 hot, high-demand STEM jobs chosen by the U.S. Bureau of Labor Statistics.

15 HOT, HIGH-DEMAND STEM-RELATED JOBS

JOB TITLE	PROJECTED GROWTH THROUGH 2016
Computer software engineer (software)	27%+
Environmental science and protection technician, including health	27%+
Computer software engineer, applications	27%
Architect (except landscape and naval)	18–26%
Cartographer and photogrammetrist	18–26%
Civil engineer	18–26%
Cost estimator	18–26%
Environmental engineer	18–26%
Geoscientist (except hydrologist and geographer)	18–26%
Industrial engineer	18–26%
Medical equipment repairer	18–26%
Medical scientist (except epidemiologist)	18–26%
Surveying and mapping technician	18–26%
Surveyor	18–26%
Technical writer	18–26%

Source: U.S. Bureau of Labor Statistics 2006–2016 projection series

Engineering Schools in the United States

ALABAMA

Alabama A&M University
www.aamu.edu

Auburn University
www.auburn.edu

Tuskegee University
www.tuskegee.edu

University of Alabama
www.ua.edu

University of Alabama, Birmingham
www.uab.edu

University of Alabama, Huntsville
www.uah.edu

University of South Alabama
www.southalabama.edu

ALASKA

University of Alaska, Anchorage
www.uaa.alaska.edu

University of Alaska, Fairbanks
www.uaf.edu

ARIZONA

Arizona State University
www.asu.edu

Embry-Riddle Aeronautical University
www.erau.edu

Northern Arizona University
www.nau.edu

University of Arizona
www.arizona.edu

ARKANSAS

Arkansas Tech University
www.atu.edu

University of Arkansas
www.uark.edu

CALIFORNIA

California Institute of Technology
www.caltech.edu

California Polytechnic State University
www.calpoly.edu

California State Polytechnic
University, Pomona
www.csupomona.edu

California State University, Fullerton
www.fullerton.edu/ecs

California State University, Hayward
www.csu Hayward.edu

California State University, Los
Angeles
www.calstatela.edu

California State University, Northridge
www.csun.edu

California State University,
Sacramento
www.csus.edu

Harvey Mudd College
www.hmc.edu

Loyola Marymount University
www.lmu.edu

Naval Postgraduate School
www.nps.navy.mil

San Diego State University
www.sdsu.edu

San Jose State University
www.sjsu.edu

Santa Clara University
www.scu.edu

Stanford University
www.stanford.edu

University of California, Berkeley
www.berkeley.edu

University of California, Davis
www.ucdavis.edu

University of California, Irvine
www.uci.edu

University of California, Los Angeles
www.ucla.edu

University of California, Merced
www.ucmerced.edu

University of California, Riverside
www.ucr.edu

University of California, San Diego
www.ucsd.edu

University of California, Santa Barbara
www.ucsb.edu

University of California, Santa Cruz
www.ucsc.edu

University of San Diego
www.sandiego.edu

University of Southern California
www.usc.edu/dept/engineering

University of the Pacific
www.uop.edu

COLORADO

Colorado School of Mines
www.mines.edu

Colorado State University
www.colostate.edu

U.S. Air Force Academy
www.usafa.af.mil

University of Colorado, Boulder
www.colorado.edu/engineering

University of Colorado, Colorado
Springs
www.eas.uccs.edu

University of Colorado, Denver
www.cudenver.edu

University of Denver
www.du.edu

CONNECTICUT

Fairfield University
www.fairfield.edu

U.S. Coast Guard Academy
www.cga.edu

University of Bridgeport
www.bridgeport.edu

University of Connecticut
www.uconn.edu

University of Hartford
www.hartford.edu

University of New Haven
www.newhaven.edu

Yale University
www.yale.edu

DELAWARE

University of Delaware
www.udel.edu

DISTRICT OF COLUMBIA

Catholic University of America
www.cua.edu

George Washington University
www.gwu.edu

Howard University
www.howard.edu

FLORIDA

Embry-Riddle Aeronautical University
www.erau.edu

Florida A&M University
Florida State University
www.fsu.edu

Florida Atlantic University
www.fau.edu

Florida International University
www.fiu.edu

University of Central Florida
www.ucf.edu

University of Florida
www.ufl.edu

University of Miami
www.miami.edu

University of North Florida
www.unf.edu

University of South Florida
www.usf.edu

University of West Florida
www.uwf.edu

GEORGIA

Georgia Institute of Technology
www.gatech.edu

Mercer University
www.mercer.edu

University of Georgia
www.uga.edu

HAWAII

University of Hawaii, Manoa
www.eng-hawaii.edu

IDAHO

Boise State University
www.boisestate.edu

Idaho State University
www.isu.edu

University of Idaho, Moscow
www.uidaho.edu

ILLINOIS

Bradley University
www.bradley.edu

Illinois Institute of Technology
www.iit.edu

Northern Illinois University
www.niu.edu

Northwestern University
www.northwestern.edu

Southern Illinois University,
Carbondale
www.siu.edu

Southern Illinois University,
Edwardsville
www.siu.edu

University of Illinois, Chicago
www.uic.edu

University of Illinois, Urbana-
Champaign
www.uiuc.edu

INDIANA

Indiana Institute of Technology
www.indtech.edu

Indiana University / Purdue University
Indianapolis
www.iupui.edu

Purdue University, Calumet
www.calumet.purdue.edu

Purdue University, Main Campus
www.purdue.edu

Rose-Hulman Institute of Technology
www.rose-hulman.edu

Tri-State University
www.tristate.edu

University of Evansville
www.evansville.edu

University of Notre Dame
www.nd.edu

Valparaiso University
www.valpo.edu

IOWA

Dordt College
www.dordt.edu

Iowa State University
www.iastate.edu

University of Iowa
www.uiowa.edu

KANSAS

Kansas State University
www.ksu.edu

University of Kansas
www.uk.edu

Wichita State University
www.wichita.edu

KENTUCKY

University of Kentucky
www.uky.edu

University of Louisville
www.louisville.edu

LOUISIANA

Louisiana State University
www.lsu.edu

Louisiana Tech University
www.latech.edu

McNeese State University
www.mcneese.edu

Southern University and A&M College
www.subr.edu

Tulane University
www.tulane.edu

University of Louisiana, Lafayette
www.louisiana.edu

University of New Orleans
www.uno.edu

MAINE

University of Maine
www.maine.edu

MARYLAND

Capitol College
www.capitol-college.edu

John Hopkins University
www.jhu.edu

Morgan State University
www.morgan.edu

U.S. Naval Academy
www.usna.edu

University of Maryland, Baltimore
County
www.umbc.edu

University of Maryland, College Park
www.umd.edu

MASSACHUSETTS

Boston University
www.bu.edu

Franklin W. Olin College of
Engineering
www.olin.edu

Harvard University
www.harvard.edu

Massachusetts Institute of Technology
www.mit.edu

Northeastern University
www.neu.edu

Smith College
www.smith.edu

Tufts University
www.tufts.edu

University of Massachusetts, Amherst
www.ecs.umass.edu

University of Massachusetts,
Dartmouth
www.umassd.edu

University of Massachusetts, Lowell
www.uml.edu

Western New England College
www.wnec.edu

Worcester Polytechnic Institute
www.wpi.edu

MICHIGAN

Calvin College
www.calvin.edu

Grand Valley State University
www.gvsu.edu

Kettering University
www.kettering.edu

Michigan State University
www.msu.edu

Michigan Technological University
www.mtu.edu

Oakland University
www.oakland.edu

Saginaw Valley State University
www.svsu.edu

University of Detroit Mercy
www.udmercy.edu

University of Michigan
www.umich.edu

University of Michigan, Dearborn
www.umd.umich.edu

Wayne State University
www.wayne.edu

Western Michigan University
www.wmich.edu

MINNESOTA

Minnesota State University, Mankato
www.mnsu.edu

National Technological University
www.ntu.edu

Saint Cloud State University
www.stcloudstate.edu

University of Minnesota, Duluth
www.umn.edu

University of Minnesota, Twin Cities
www.umn.edu

University of Saint Thomas
www.stthomas.edu

Winona State University
www.winona.edu

MISSISSIPPI

Jackson State University
www.jsu.edu

Mississippi State University
www.msstate.edu

University of Mississippi
www.olemiss.edu

Missouri

University of Missouri, Columbia
www.missouri.edu

University of Missouri, Kansas City
www.umkc.edu

University of Missouri, Rolla
www.UMR.edu

Washington University
www.wustl.edu

MONTANA

Montana State University
www.montana.edu

NEBRASKA

University of Nebraska, Lincoln
www.unl.edu

NEVADA

University of Nevada, Las Vegas
www.unlv.edu

University of Nevada, Reno
www.unr.edu

NEW HAMPSHIRE

Dartmouth College
www.dartmouth.edu

University of New Hampshire
www.umh.edu

NEW JERSEY

College of New Jersey
www.tcnj.edu

Monmouth University
www.monmouth.edu

New Jersey Institute of Technology
www.njit.edu

Princeton University
www.princeton.edu

Rowan University
www.rowan.edu

Rutgers, The State University
www.rutgers.edu

Stevens Institute of Technology
www.stevens-tech.edu

NEW MEXICO

New Mexico Institute of Mining &
Technology
www.nmt.edu

New Mexico State University
www.nmsu.edu

University of New Mexico
www.soe.unm.edu

NEW YORK

City College of the City University of
New York
www.cuny.edu

Clarkson University
www.clarkson.edu

Columbia University
www.columbia.edu

Cooper Union
www.cooper.edu

Cornell University
www.cornell.edu

Manhattan College
www.manhattan.edu

New York Institute of Technology
www.nyit.edu

New York State College of Ceramics at
Alfred
www.alfred.edu

Polytechnic University
www.poly.edu

Rensselaer Polytechnic Institute
www.rpi.edu

Rochester Institute of Technology
www.rit.edu

State University of New York,
Binghamton
www.binghamton.edu

State University of New York
College of Environmental Science
www.esf.edu

State University of New York,
Maritime College
www.sunymaritime.edu

State University of New York, New
Paltz
www.newpaltz.edu

State University of New York, Stony
Brook
www.sunysb.edu

Syracuse University
www.syr.edu

U.S. Merchant Marine Academy
www.usmma.edu

U.S. Military Academy
www.usma.edu

Union College
www.union.edu

University of Buffalo, SUNY
www.buffalo.edu

University of Rochester
www.rochester.edu

Webb Institute
www.webb-institute.edu

NORTH CAROLINA

Duke University
www.duke.edu

North Carolina A&T State University
www.ncat.edu

North Carolina State University
www.ncsu.edu

University of North Carolina,
Charlotte
www.uncc.edu

NORTH DAKOTA

North Dakota State University
www.ndsu.nodak.edu

University of North Dakota
www.und.nodak.edu

OHIO

Case Western Reserve University
www.cwru.edu

Cedarville University
www.cedarville.edu

Cleveland State University
www.csuohio.edu

Miami University
www.muohio.edu

Ohio Northern University
www.onu.edu

Ohio State University
www.osu.edu

Ohio University
www.ohiou.edu

U.S. Air Force Institute of Technology
www.afit.edu

University of Akron
www.uakron.edu

University of Cincinnati
www.uc.edu

University of Dayton
www.udayton.edu

University of Toledo
www.utoledo.edu

Wright State University
www.engineering.wright.edu

Youngstown State University
www.ysu.edu

OKLAHOMA

Oklahoma Christian University of
Science and Arts
www.oc.edu

Oklahoma State University
www.okstate.edu

Oral Roberts University
www.oru.edu

University of Oklahoma
www.ou.edu

University of Tulsa
www.utulsa.edu

OREGON

Oregon State University
www.orst.edu

Portland State University
www.pdx.edu

University of Portland
www.up.edu

PENNSYLVANIA

Bucknell University
www.bucknell.edu

Carnegie Mellon University
www.cmu.edu

Drexel University
www.drexel.edu

Gannon University
www.gannon.edu

Lafayette College
www.lafayette.edu

Lehigh University
www.lehigh.edu

Pennsylvania State University, Erie
www.pserie.psu.edu

Pennsylvania State University
www.psu.edu

Robert Morris University
www.rmu.edu

Swarthmore College
www.swarthmore.edu

Temple University
www.temple.edu

University of Pennsylvania
www.seas.upenn.edu

University of Pittsburgh
www.pitt.edu

Villanova University
www.villanova.edu

Widener University
www.widener.edu

Wilkes University
www.wilkes.edu

RHODE ISLAND
Providence College
www.providence.edu

Roger Williams University
www.rwu.edu

University of Rhode Island
www.uri.edu

SOUTH CAROLINA
Clemson University
www.clemson.edu

The Citadel
www.citadel.edu

University of South Carolina
www.sc.edu

TENNESSEE
Tennessee State University
www.tnstate.edu

Tennessee Technological University
www.tntech.edu

University of Memphis
www.memphis.edu

University of Tennessee, Chattanooga
www.utc.edu

University of Tennessee, Knoxville
www.utk.edu

University of Tennessee, Martin
www.utm.edu

Vanderbilt University
www.vanderbilt.edu

TEXAS
Baylor University
www.baylor.edu

Lamar University
www.lamar.edu

LeTourneau University
www.letu.edu

Prairie View A&M University
www.pvamu.edu

Rice University
www.rice.edu

Southern Methodist University
www.smu.edu

Texas A&M University
www.tamu.edu

Texas A&M University, Kingsville
www.tamuk.edu

Texas Christian University
www.ttu.edu

Trinity University
www.trinity.edu

University of Houston
www.uh.edu

University of Texas, Arlington
www.uta.edu

University of Texas, Austin
www.utexas.edu

University of Texas, Brownsville
www.utb.edu

University of Texas, Dallas
www.utdallas.edu

University of Texas, El Paso
www.utep.edu

University of Texas, Pan America
www.panam.edu

University of Texas, San Antonio
www.utsa.edu

University of Texas, Tyler
www.uttyler.edu

UTAH
Brigham Young University
www.byu.edu

University of Utah
www.utah.edu

Utah State University
www.usu.edu

VERMONT
Norwich University
www.norwich.edu

University of Vermont
www.uvm.edu

VIRGINIA
George Mason University
www.gmu.edu

Hampton University
www.hamptonu.edu

Old Dominion University
www.odu.edu

University of Virginia
www.virginia.edu

Virginia Commonwealth University
www.vcu.edu

Virginia Military Institute
www.vmi.edu

Virginia Tech
www.vt.edu

WASHINGTON
Gonzaga University
www.gonzaga.edu

Seattle Pacific University
www.spu.edu

Seattle University
www.seattleu.edu

University of Washington
www.washington.edu

Walla Walla College
www.wwc.edu

Washington State University
www.wsu.edu

WEST VIRGINIA

West Virginia University
www.wvu.edu

West Virginia University
Institute of Technology
www.wvutec.edu

WISCONSIN

Marquette University
www.marquette.edu

Milwaukee School of Engineering
www.msou.edu

University of Wisconsin, Madison
www.wisc.edu

University of Wisconsin, Milwaukee
www.uwm.edu

University of Wisconsin, Platteville
www.uwplatt.edu

University of Wisconsin, Stout
www.uwstout.edu

WYOMING

University of Wyoming
www.uwyo.edu