



STEM: CAREERS

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ENGINEERING CAREERS

MATHEMATIC CAREERS

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TECHNOLOGY CAREERS

ENGINEERING CAREERS
(source: www.princetonreview.com)

Aerospace Engineers

of people in profession: 55000
Female: 15%
Male: 85%
Average hours per week: 44
Average starting salary:
\$39,000.00
Average salary after 5 years:
\$72,000.00
Average salary after 10 to 15
years: \$90,000.00

Professionals Read:

Aerospace America
NASA Technical Briefs
Journal of Spacecraft and Rockets
Aviation Week and Space
Technology

**Books, Films, and TV Shows
Featuring the Profession:**

Apollo 13 (film)
The Right Stuff (film)
Capricorn One (film)

Major Employers

Aerospace Corporation
Boeing Company

Major Associations

Air Force Association
www.afa.org
American Institute of Aeronautics
and Astronautics
www.aiaa.org
Junior Engineering Technical
Society
www.jets.org

Related Majors:

Physics
Engineering
Artificial Intelligence and
Robotics
Planetary Science

Air Force National Guard

of people in profession: 108022
Female: 16%
Male: 84%
Average hours per week: 12
Average starting salary: \$2,500.00
Average salary after 5 years:
\$3,200.00
Average salary after 10 to 15
years: \$6,000.00

Professionals Read:

War and Conflict
Airman Magazine

**Books, Films, and TV Shows
Featuring the Profession:**
Independence Day

Major Employers

Air Force National Guard

Major Associations

United States Air Force

Astronaut

of people in profession: 200
Female: 10%
Male: 90%
Average hours per week: 65
Average starting salary:
\$60,000.00
Average salary after 5 years:
Average salary after 10 to 15
years:

Professionals Read:

NASA Technical Briefs
Quest: History of Spaceflight
Magazine
Journal of Guidance Control and
Dynamics

**Books, Films, and TV Shows
Featuring the Profession:**

Apollo 13
The Right Stuff
Capricorn One
To The Stars

Major Employers

NASA Johnson Space Center

Major Associations

American Institute of Aeronautics
& Astronautics
www.aiaa.org

ENGINEERING CAREERS
(source: www.princetonreview.com)

Chemical Engineers

of people in profession: 50000
Female: 20%
Male: 80%
Average hours per week: 45
Average starting salary:
\$46,700.00
Average salary after 5 years:
\$75,900.00
Average salary after 10 to 15
years: \$91,100.00

Professionals Read:

Chemical Engineering
Chemicals Weekly
Chemical and Engineering News
Chemical Engineering Progress

**Books, Films, and TV Shows
Featuring the Profession:**

Production Principles

Major Employers

Advance International
Air Products and Chemicals Inc.
Norplex

Major Associations:

American Chemical Society
www.acs.org

Water Environment Federation
www.wef.org

Related Majors:

Biochemistry
Materials Science
Petroleum Engineering
Chemical Engineering
Chemistry
Chemical Physics
Environmental/Environmental
Health Engineering

Civil Engineers

of people in profession: 210000
Female: 10%
Male: 90%
Average hours per week: 45
Average starting salary:
\$39,800.00
Average salary after 5 years:
\$68,700.00
Average salary after 10 to 15
years: \$90,000.00

Professionals Read:

Journal of Materials Engineering
Structural Engineering

**Books, Films, and TV Shows
Featuring the Profession:**

Bridge on the River Kwai (film)
Making Manhattan
The Brooklyn Bridge (book)
The Dresden Project (book)

Major Employers

Pacific Bell
Tennessee Valley Authority
U.S. Army Corps of Engineers

Major Associations

American Society of Civil
Engineers

www.asce.org

Institute of Transportation
Engineers

www.ite.org

Junior Engineering Technical
Society

www.jets.org

Related Majors:

Architectural Engineering
Engineering Mechanics
Metallurgical Engineering
Surveying
Sustainable Resource Management
Welding Engineering
Architecture
Civil Engineering

Computer Engineer

of people in profession: 350000
Female: 10%
Male: 90%
Average hours per week: 45
Average starting salary:
\$39,000.00
Average salary after 5 years:
\$67,000.00
Average salary after 10 to 15
years: \$90,000.00

Professionals Read:

PC World
LAN Times
Windows Sources
Novell Networker

**Books, Films, and TV Shows
Featuring the Profession:**

Disclosure (film)
The Net (film)
Galatea 2.2 (book)
War Games (film)

Major Employers

Intel Corporation
Microsoft Corporation
Telecordia Technologies
Microsoft Corporation Microsoft
Corporation

Major Associations

IEEE Computer Society
www.computer.org

Programmers Association c/o
Aristotle Industries
www.aristotle.org

Related Majors:

Digital Communications and
Media/Multimedia
Computer Systems Analysis
Technology Education
Computer and Information
Science
Computer Engineering
Artificial Intelligence and
Robotics
Information Technology
Management Information
Systems

ENGINEERING CAREERS
(source: www.princetonreview.com)

Webmaster and Web Management

Computer Engineer/Systems Analyst

of people in profession: 350000
Female: 10%
Male: 90%
Average hours per week: 45
Average starting salary: \$39,000.00
Average salary after 5 years: \$67,000.00
Average salary after 10 to 15 years: \$90,000.00

Professionals Read:

PC World
LAN Times
Windows Sources
Novell Networker

Books, Films, and TV Shows Featuring the Profession:

Disclosure
The Net
Galatea 2.2
War Games

Major Employers

Intel Corporation
Microsoft Corporation
Telecordia Technologies

Major Associations

IEEE Computer Society
www.computer.org

Programmers Association c/o Aristotle Industries
www.aristotle.org

Construction Manager

of people in profession: 234210
Female: 10%
Male: 90%
Average hours per week: 40
Average starting salary: \$30,000.00
Average salary after 5 years: \$60,000.00
Average salary after 10 to 15 years: \$100,000.00

Professionals Read:

Construction Review
Construction Equipment
Structural Engineering

Books, Films, and TV Shows

Featuring the Profession:

Site Specific
Three Men and a Baby
Soap

Major Employers

Associated General Contractors of America
Habitat For Humanity

Major Associations

American Institute of Constructors

Associated Landscape Contractors of America

www.alca.org

Electrical Engineers

of people in profession: 377000
Female: 10%
Male: 90%
Average hours per week: 45
Average starting salary: \$40,000.00
Average salary after 5 years: \$71,000.00
Average salary after 10 to 15 years: \$87,400.00

Professionals Read:

IEEE
CEE
IEC Quarterly
Spectrum

Books, Films, and TV Shows

Featuring the Profession:

Short Circuit (film)
Building Jerusalem (book)
The Lighting of New York
Star Trek (film)

Major Employers

Ademco (Alarm Device Manufacturing Company)
Anacomp Inc.

Major Associations

American Electronics Association
www.aeanet.org

Electronic Industries Association
www.eia.org

Institute of Electrical and Electronics Engineers
www.ieee.org

Related Majors:

Physics
Applied Physics
Architectural Engineering
Electrical Engineering

ENGINEERING CAREERS
(source: www.princetonreview.com)

Entrepreneur

of people in profession: 1000000
Female: 0%
Male: 100%
Average hours per week: 70
Average starting salary:
Average salary after 5 years:
Average salary after 10 to 15 years:

Professionals Read:

Fortune
Forbes
Money

**Books, Films, and TV Shows
Featuring the Profession:**

The Jerk
The Art of the Deal
Forrest Gump
Risking It All

Major Employers

Entrepreneurs are self employed

Major Associations

Committee of 200

Center for International Private
Enterprise
www.cipe.org

CEO Club

www.ceoclubs.com

Industrial Engineers

of people in profession: 130000
Female: 10%
Male: 90%
Average hours per week: 45
Average starting salary:
\$42,900.00
Average salary after 5 years:
\$70,000.00
Average salary after 10 to 15 years: \$90,000.00

Professionals Read:

Cutting Tool Engineering
Industry Week
Manufacturing Engineer

**Books, Films, and TV Shows
Featuring the Profession:**

Rethinking Efficiency
Kanban Systems of Engineering
(book)

Major Employers

Boeing
Honda

Major Associations

Institute of Industrial Engineers,
Inc.
www.iienet.org

Related Majors:

N/A

Machinist

of people in profession: 432000
Female: 10%
Male: 90%
Average hours per week: 45
Average starting salary:
\$22,500.00
Average salary after 5 years:
\$31,900.00
Average salary after 10 to 15 years: \$46,600.00

Professionals Read:

Modern Machine Shop
American Machinist
Tooling and Production

**Books, Films, and TV Shows
Featuring the Profession:**

Swing Shift
Latheworkers: A History
CNMs

Major Employers

Thomas Register of American
Manufacturers

Major Associations

American Welding Society
www.amweld.org

The Association for Manufacturing
Technology
www.mfgtech.org

The Tooling and Manufacturing
Association
www.tmanet.com

ENGINEERING CAREERS
(source: www.princetonreview.com)

Network Engineer

of people in profession: 299308
Female: %
Male: 100%
Average hours per week: 50
Average starting salary:
\$44,000.00
Average salary after 5 years:
\$75,000.00
Average salary after 10 to 15
years: \$120,000.00

Professionals Read:

System Administration
Wired
Network Magazine
Network World Fusion

Books, Films, and TV Shows

Featuring the Profession:

Hackers
Sneakers

Major Employers

Most large companies with a large
network of offices

Major Associations

Network Professional Association
www.npa.org

System Administration,
Networking, and Security SANS
Institute
www.sans.org

Nuclear Engineer

of people in profession: 820
Female: 5%
Male: 95%
Average hours per week: 45
Average starting salary:
\$40,000.00
Average salary after 5 years:
\$70,000.00
Average salary after 10 to 15
years: \$90,000.00

Professionals Read:

Journal of Nuclear Engineering
Nuclear Fuel
Nuclear News

Books, Films, and TV Shows

Featuring the Profession:

Silkwood (film)
The China Syndrome (film)
Fat Man & Little Boy (film)
The Manhattan Project (book)

Major Employers

General Electric Nuclear Co.
Westinghouse Electric Inc.
Siemens Power Corporation

Major Associations

American Nuclear Society
www.ans.org

American Society for Engineering
Education
www.asee.org

Nuclear Engineering Institute
www.nei.org

Related Majors:

Physics
Applied Mathematics
Applied Physics
Nuclear Engineering

Petroleum Engineer

of people in profession: 12000
Female: 5%
Male: 95%
Average hours per week: 50
Average starting salary:
\$42,000.00
Average salary after 5 years:
\$70,000.00
Average salary after 10 to 15
years: \$100,200.00

Professionals Read:

Petroleum Engineering
Oil and Gas Journal
International Petrochemical Report

Books, Films, and TV Shows

Featuring the Profession:

A Year in Saudi Arabia
Black Gold (film)
The OPEC Builders

Major Employers

Dupont
Amoco Corporation
Chevron Corporation
Consolidated Natural Gas
Company

Major Associations

American Petroleum Institute
www.api.org

Junior Engineering Technical
Society
www.jets.org

Society of Petroleum Engineers
www.spe.org

Related Majors:

Geology
Mineral Engineering
Petroleum Engineering
Chemical Engineering
Chemistry
Geophysics

ENGINEERING CAREERS

(source: www.princetonreview.com)

Robotics Engineer

of people in profession: 35000
Female: 10%
Male: 90%
Average hours per week: 50
Average starting salary:
\$30,000.00
Average salary after 5 years:
\$45,000.00
Average salary after 10 to 15
years: \$100,000.00

Professionals Read:

PC World
Robotics

Books, Films, and TV Shows Featuring the Profession:

Frankenstein (film)
Short Circuit (film)
Terminator 2 (film)
Cyborg (film)

Major Employers

Ford Motor Company
American Robot Corporation
GSMA-Parish

Major Associations

Institution of Electrical and
Electronics Engineers
www.ieee.org

Robotic Industries Association
www.robotics.org

Society of Manufacturing
Engineers
www.sme.org

Related Majors:

Physics
Applied Physics
Engineering Mechanics
Mechanical Engineering
Metallurgical Engineering
Civil Engineering
Computer Engineering
Artificial Intelligence and Robotics

MATHEMATIC CAREERS
(source: www.princetonreview.com)

Mathematicians

of people in profession:
13500
Female: 5%
Male: 95%
Average hours per week: 40
Average starting salary:
\$36,800.00
Average salary after 5 years:
\$55,000.00
Average salary after 10 to 15
years: \$78,600.00

Professionals Read:

Journal of Mathematics
Notices of AMS
American Mathematical
Monthly

**Books, Films, and TV Shows
Featuring the Profession:**

Jurassic Park (film)
IQ (film)
Ratner's Star (book)
Mr. Pi

Major Employers

New York Stock Exchange
National Security Agency
Wolfram Research

Major Associations

American Mathematical Society
www.ams.org

Mathematical Association of
America

www.maa.org

Society for Industrial and
Applied Mathematics

www.siam.org

Related Majors:

Applied Mathematics
Mathematics

Actuary

of people in profession:
16500
Female: 35%
Male: 65%
Average hours per week: 42
Average starting salary:
\$38,800.00
Average salary after 5 years:
\$83,600.00
Average salary after 10 to 15
years: \$99,500.00

Professionals Read:

Journal of Actuarial Science
National Underwriter
Actuarial Analysis

**Books, Films, and TV Shows
Featuring the Profession:**

Are You With It? (film)
Mapping the Animal
Table Talk (book)

Major Employers

KPMG
Data Life Associates
Milliman & Robertson Inc.

Major Associations

American Academy of
Actuaries

www.actuary.com

Society of Actuaries

www.beanactuary.org

Casualty Actuarial Society

www.casact.org

Related Majors:

Accounting
Actuarial Science
Applied Mathematics
Logistics Management
Managerial Economics
Risk Management
Statistics
Economics
Finance

Statistician

of people in profession:
16500
Female: 30%
Male: 70%
Average hours per week: 40
Average starting salary:
\$28,500.00
Average salary after 5 years:
\$55,000.00
Average salary after 10 to 15
years: \$75,000.00

Professionals Read:

American Demographer

**Books, Films, and TV Shows
Featuring the Profession:**

Statistics for Gerbils
The Coming Plague (book)

Major Employers

All State Insurance Co.
Aetna
Blue Cross & Blue Shield of
North Carolina

Major Associations

Mathematical Association of
America

www.maa.org

Society for Industrial and
Applied Mathematics

www.siam.org

American Statistical
Association

www.amstat.org

Related Majors:

Accounting
Actuarial Science
Applied Mathematics
Public Policy Analysis
Statistics
Economics

SCIENCE CAREERS
(source: www.princetonreview.com)

Astronomer

of people in profession: 3500
Female: 20%
Male: 80%
Average hours per week: 40
Average starting salary:
\$30,000.00
Average salary after 5 years:
\$45,000.00
Average salary after 10 to 15
years: \$65,000.00

Professionals Read:

Scientific American
Journal of Materials Engineering
American Journal of Astrophysics

Books, Films, and TV Shows

Featuring the Profession:

Starwatching
Roxanne
Ratner's Star
Cosmos

Major Employers

Hayden Planetarium--American
Museum of Natural History
Stamford City Observatory
Keck Observatory

Major Associations

American Physical Society,
American Center for Physics
www.aps.acp.org

American Astronomical Society,
University of Texas

Biologist

of people in profession: 63060
Female: 35%
Male: 65%
Average hours per week: 45
Average starting salary:
\$27,000.00
Average salary after 5 years:
\$50,000.00
Average salary after 10 to 15
years: \$65,000.00

Professionals Read:

Science
Nature
Smithsonian
Ecoverse

Books, Films, and TV Shows

Featuring the Profession:

The Biodiversity of Life
The Double Helix
Secrets of the Amazon
The Coming Plague

Major Employers

Amgen
Dow Chemical Company
Centers for Disease Control

Major Associations

American Institute of Biological
Sciences
www.aiba.org

American Society for
Microbiology
www.asmysa.org

Botanical Society of America

Biochemist

of people in profession: 100000
Female: 53%
Male: 47%
Average hours per week: 45
Average starting salary:
\$30,190.00
Average salary after 5 years:
\$52,310.00
Average salary after 10 to 15
years: \$87,790.00

Professionals Read:

The Journal for Biological
Chemistry

Books, Films, and TV Shows

Featuring the Profession:

Outbreak
A Brief History of Time
Young Frankenstein

Major Employers

Wyeth
US Navy

Major Associations

Federation of American Societies
for Experimental Biology

The Biochemical Society
www.biochemist.org

SCIENCE CAREERS
(source: www.princetonreview.com)

Chemist

of people in profession: 102000
Female: 10%
Male: 90%
Average hours per week: 40
Average starting salary:
\$29,300.00
Average salary after 5 years:
\$50,000.00
Average salary after 10 to 15
years: \$65,000.00

Professionals Read:

The Chemist
Science
Chemical Engineering Progress
Chemicals Weekly

Books, Films, and TV Shows

Featuring the Profession:

Dr. Jekyll and Mr. Hyde
The Biography of Linus Pauling
The Elixer
Lorenzo's Oil

Major Employers

Advance International
Air Products and Chemicals Inc.
Norplex

Major Associations

American Chemical Society,
Career Services
www.acs.org

Chemical Manufacturers
Association
www.cmahq.com

American Pharmaceutical
Association
www.aphanet.org

Consultant

of people in profession: 131000
Female: 50%
Male: 50%
Average hours per week: 40
Average starting salary:
\$42,000.00
Average salary after 5 years:
\$70,000.00
Average salary after 10 to 15
years: \$120,000.00

Professionals Read:

Entrepreneur
Business Week
Wall Street Journal

Books, Films, and TV Shows

Featuring the Profession:

Wag the Dog

Major Employers

KPMG
A.T. Kearney

Major Associations

The Association of Management
Consulting Firms
www.amcf.org

The Institute of Management
Consultants
www.imcusa.org

Criminologist

of people in profession: 17420
Female: 25%
Male: 75%
Average hours per week: 40
Average starting salary:
\$20,000.00
Average salary after 5 years:
\$31,000.00
Average salary after 10 to 15
years: \$44,000.00

Professionals Read:

Journal of Forensic Technology
Journal of Criminal Law and
Criminology
International Journal of Offender
Therapy and Comparative
Criminology

Books, Films, and TV Shows

Featuring the Profession:

The Usual Suspects
Silence of the Lambs
Manhunter
Quincy

Major Employers

ABT Associates
FBI

Major Associations

American Society of Criminology
www.asc41.com

American Sociological
Association
www.assanet.org

SCIENCE CAREERS
(source: www.princetonreview.com)

Dentist

of people in profession: 153000
Female: 25%
Male: 75%
Average hours per week: 40
Average starting salary:
\$134,540.00
Average salary after 5 years:
\$172,410.00
Average salary after 10 to 15
years: \$183,400.00

Professionals Read:

ADA News
Journal of American Dental
Association
General Dentistry

Books, Films, and TV Shows

Featuring the Profession:

House Guest
Marathon Man
Little Shop of Horrors
The Counterlife

Major Employers

Dent-U-Center
Dental Care Partners
Presbyterian Hospital of Dallas

Major Associations

American Dental Association
www.ada.org

International Association for
Dental Research
www.iadr.org

American Association of Women
Dentists
www.womententists.org

Ecologist

of people in profession: 13200
Female: 25%
Male: 75%
Average hours per week: 40
Average starting salary:
\$22,500.00
Average salary after 5 years:
\$40,000.00
Average salary after 10 to 15
years: \$60,000.00

Professionals Read:

Nature
Natural History
Ecoverse

Books, Films, and TV Shows

Featuring the Profession:

Arctic Wolves
Losing Ground
Eco-conservatism

Major Employers

Environmental Protection Agency
Natural Resources Defense
Council
Texas A&M University

Major Associations

American Institute of Biological
Scientists
www.aibs.org

Ecological Society of America
<http://esa.sdsc.edu>

The Nature Conservancy
www.tnc.org

Environmentalist

of people in profession: 44280
Female: 35%
Male: 65%
Average hours per week: 50
Average starting salary:
\$39,000.00
Average salary after 5 years:
\$49,000.00
Average salary after 10 to 15
years: \$51,700.00

Professionals Read:

EPA Journal
Journal of Environmental Quality
Journal of Natural Resources and
Life Sciences Education
Ecoverse

Books, Films, and TV Shows

Featuring the Profession:

Singles
Green Card
Planet Green
The Smog Epidemic

Major Employers

Brown & Caldwell Consultants
Clean Harbors Inc.
Killam Associates

Major Associations

National Resources Defense
Council
www.nrdc.org

SCIENCE CAREERS
(source: www.princetonreview.com)

Farmer

of people in profession: 1327000
Female: 15%
Male: 85%
Average hours per week: 65
Average starting salary:
\$14,325.00
Average salary after 5 years:
\$17,730.00
Average salary after 10 to 15
years: \$23,140.00

Professionals Read:

Farm Forum
Progressive Farmer
Successful Farming
North American Seeds

Books, Films, and TV Shows

Featuring the Profession:

Witness
Country
The Milagro Bean Field War
The Grapes of Wrath

Major Employers

Borden Foods
Cargill, Inc.
DOW Agrosiences
Archer Daniels Midland Company

Major Associations

American Dairy Science
Association
www.adsa.uiuc.edu

American Farm Bureau
www.fb.com

Geneticist

of people in profession: 112000
Female: 63%
Male: 37%
Average hours per week: 45
Average starting salary:
\$35,200.00
Average salary after 5 years:
\$67,850.00
Average salary after 10 to 15
years: \$86,020.00

Professionals Read:

Genetics
Human Molecular Genetics
Journal of Gene Medicine

Books, Films, and TV Shows

Featuring the Profession:

Gremlins 2
Alien: Resurrection
Multiplicity
Genome

Major Employers

United States Department of
Agriculture (USDA)
Glaxo Smith Kline

Major Associations

American Board of Medical
Genetics
www.faseb.org/genetics/abmg

National Society of Genetic
Counselors
www.nsgc.com

Food Service Manager

of people in profession: 287940
Female: 55%
Male: 45%
Average hours per week: 40
Average starting salary:
\$18,900.00
Average salary after 5 years:
\$39,020.00
Average salary after 10 to 15
years: \$50,940.00

Professionals Read:

Bon Appetit
Food & Wine
Gourmet

Books, Films, and TV Shows

Featuring the Profession:

Big Night
The Iron Chef
Like Water for Chocolate
Beverly Hills 90210

Major Employers

Armark
Management Recruiters
International

Major Associations

The Educational Foundation of the
National Restaurant Association

Council on Hotel, Restaurant, and
Institutional Education

ARG Associates
www.argassociates.com

SCIENCE CAREERS

(source: www.princetonreview.com)

Health Care Administrator

of people in profession: 315000
Female: 35%
Male: 65%
Average hours per week: 45
Average starting salary:
\$45,000.00
Average salary after 5 years:
\$55,000.00
Average salary after 10 to 15
years: \$70,000.00

Professionals Read:

Health Managers Update
Health Care Management Review
Modern Healthcare
Clinical Administrator

Books, Films, and TV Shows

Featuring the Profession:

The Doctor
Molloy's Revenge
The Hospital
Chicago Hope

Major Employers

Bakersfield Memorial Hospital
Aurelia Osborn Fox Memorial
Hospital Nursing Home
Home Nursing Company, Inc.

Major Associations

American College of Health Care
Administrators
www.achca.org

Association of University
Programs in Health Administration
www.aupha.org

Hospice Nurse

of people in profession: 39253
Female: %
Male: 100%
Average hours per week: 40
Average starting salary:
\$23,000.00
Average salary after 5 years:
\$34,500.00
Average salary after 10 to 15
years: \$49,700.00

Professionals Read:

Hospice Nurse
Caring
American Journal of Nursing
Books, Films, and TV Shows

Featuring the Profession:

Tuesdays with Morrie

Major Employers

United States Homecare
All Metro Health Care
Home Care Association of New
York State, Inc.

Major Associations

Hospice Association of America
www.hospice-america.org

American Nurses Association

www.nursingworld.org

National Hospice and Palliative
Care Organization
www.nhpco.org

Hospital Administrator

of people in profession: 230640
Female: 25%
Male: 75%
Average hours per week: 60
Average starting salary:
\$53,700.00
Average salary after 5 years:
\$89,360.00
Average salary after 10 to 15
years: \$135,000.00

Professionals Read:

Healthcare Executive
Journal of Healthcare Management
FRONTIERS of Health Services
Management

Books, Films, and TV Shows

Featuring the Profession:

Hospital Administrator
Evaluation Concepts & Methods:
Shaping Policy for
Chicago Hope
St. Elsewhere

Major Employers

State of California

Major Associations

Association of American Medical
Colleges

American College of Healthcare
Executives

American Hospital Association
www.aha.org

SCIENCE CAREERS
(source: www.princetonreview.com)

Lobbyist

of people in profession: 106000
Female: 35%
Male: 65%
Average hours per week: 55
Average starting salary:
\$20,000.00
Average salary after 5 years:
\$50,000.00
Average salary after 10 to 15
years: \$80,000.00

Professionals Read:

Washington Post
National Journal
Congressional Quarterly

Books, Films, and TV Shows

Featuring the Profession:

Suspect
The American President
No Senator, That Wasn't Me

Major Employers

Greenpeace
AARP (American Association of
Retired Persons)
Sacramento Advocates

Major Associations

American League of Lobbyists
www.alldc.org

Women in Government Relations

Nurse

of people in profession: 2170000
Female: 80%
Male: 20%
Average hours per week: 45
Average starting salary:
\$35,500.00
Average salary after 5 years:
\$51,000.00
Average salary after 10 to 15
years: \$69,400.00

Professionals Read:

Nursing
American Journal of Nursing
Nursing Connections
Journal of Practical Nursing

Books, Films, and TV Shows

Featuring the Profession:

Nurses
Nurse Betty
ER
One Flew Over the Cuckoo's Nest

Major Employers

Aurelia Osborn Fox Memorial
Home Nursing Company, Inc
Bakersfield Memorial Hospital
Memorial Sloan-Kettering Cancer
Center

Major Associations

National League for Nursing
www.nln.org

Nutritionist

of people in profession: 49000
Female: 85%
Male: 15%
Average hours per week: 40
Average starting salary:
\$25,300.00
Average salary after 5 years:
\$41,100.00
Average salary after 10 to 15
years: \$58,800.00

Professionals Read:

Nutrition Forum
Nutrition Today
Nutrition Research Newsletter

Books, Films, and TV Shows

Featuring the Profession:

In The Kitchen With Rosie
Super Size Me
Eating Right
What Doctors Don't Tell You

Major Employers

US Dept. of Health and Human
Services
Weight Watchers International
American Heart Association

Major Associations

The American Society for Clinical
Nutrition
www.ascn.org

SCIENCE CAREERS
(source: www.princetonreview.com)

Paramedic

of people in profession: 170000
Female: 25%
Male: 75%
Average hours per week: 55
Average starting salary:
\$22,000.00
Average salary after 5 years:
\$32,000.00
Average salary after 10 to 15
years: \$45,000.00

Professionals Read:

EMT Update
Trauma Care
Journal of Emergency Medical
Services (JEMS)
Emergency

**Books, Films, and TV Shows
Featuring the Profession:**

ER
Rescue 911
Emergency
Seventy-Two On

Major Employers

Paramedics are employed by local
government agencies, and
hospitals. Contact the paramedic
department in your area for more
information

Major Associations

National Association of
Emergency Medical Technicians
www.naemt.org

The National Paramedic Society

National Registry of Emergency
Medical Technicians
www.nremt.org

Park Ranger

of people in profession: 5000
Female: %
Male: 100%
Average hours per week: 40
Average starting salary:
\$24,000.00
Average salary after 5 years:
\$27,000.00
Average salary after 10 to 15
years: \$37,000.00

Professionals Read:

Outdoor World
Outdoor Life
Nature

**Books, Films, and TV Shows
Featuring the Profession:**

Our Forests
Nature is Where You Sleep
Track of the Cat
Broken Arrow

Major Employers

Yellowstone National Park
Grand Canyon National Park
US Department of the Interior
National Park Service

Major Associations

National Association of State Park
Directors
www.indiana.edu/~naspd

National Recreation and Park
Association
www.activeparks.org

**Pharmaceutical Sales
Representative**

of people in profession: 13900
Female: 10%
Male: 90%
Average hours per week: 45
Average starting salary:
\$24,000.00
Average salary after 5 years:
\$35,000.00
Average salary after 10 to 15
years: \$56,000.00

Professionals Read:

US Pharmacist
Pharmacy Times
Drugstore News
Manufacturing Chemist

**Books, Films, and TV Shows
Featuring the Profession:**

Underneath the Mattress

Major Employers

Biogen
Pharmacia & Upjohn
Bristol Myers Squibb Co.

Major Associations

National Pharmaceutical Council

American Pharmaceutical
Association
www.aphanet.org

American Council on
Pharmaceutical Education
www.acpe-accredit.org

SCIENCE CAREERS
(source: www.princetonreview.com)

Physician

of people in profession: 600000
Female: 20%
Male: 80%
Average hours per week: 65
Average starting salary:
\$120,000.00
Average salary after 5 years:
\$128,000.00
Average salary after 10 to 15
years: \$240,000.00

Professionals Read:

Journal of AMA
New England Journal of Medicine
Clinical journals in area of
specialty

**Books, Films, and TV Shows
Featuring the Profession:**

Chicago Hope
The Doctors
Vital Signs
Of Human Bondage

Major Employers

Massachusetts General Hospital
Cedars-Sinai Medical Center

Major Associations

American Medical Association
www.ama-assn.org

American Academy of Family
Physicians
www.aafp.org

Physician Assistant

of people in profession: 72000
Female: %
Male: 100%
Average hours per week: 42
Average starting salary:
\$52,727.00
Average salary after 5 years:
\$62,346.00
Average salary after 10 to 15
years: \$68,225.00

Professionals Read:

Journal of the AMA
New England Journal of Medicine
Journal of the American Academy
of Physician Assistants

**Books, Films, and TV Shows
Featuring the Profession:**

ER
General Hospital

Major Employers

Most Hospitals, HMO's, and
Private Practice Physicians

Major Associations

American Academy of Physician
Assistants

Society of Emergency Medicine
Physician Assistants

Professor

of people in profession: 900000
Female: 25%
Male: 75%
Average hours per week: 60
Average starting salary:
\$28,500.00
Average salary after 5 years:
\$53,000.00
Average salary after 10 to 15
years: \$73,000.00

Professionals Read:

Journals for area of
study/concentration
Journal of Excellence in College
Teaching

**Books, Films, and TV Shows
Featuring the Profession:**

With Honors
Educating Rita
When the Night is Falling
The Mirror Has Two Faces

Major Employers

Harvard University
Yale University

Major Associations

American Association of
University Professors
www.aaup.org

College & University Personnel
Association
www.cupa.org

SCIENCE CAREERS
(source: www.princetonreview.com)

Researcher

of people in profession: 270000
Female: 20%
Male: 80%
Average hours per week: 40
Average starting salary:
\$32,000.00
Average salary after 5 years:
\$48,000.00
Average salary after 10 to 15
years: \$63,000.00

Professionals Read:
Research Review

**Books, Films, and TV Shows
Featuring the Profession:**
Three Days of the Condor
The Hunt for Red October
The Daughter of Time
Bright Lights, Big City

Major Employers
IIT Research Institute
Pfizer Inc.

Major Associations
Marketing Research Association

Earthwatch Institute
www.earthwatch.org

Teacher

of people in profession: 3300000
Female: 55%
Male: 45%
Average hours per week: 45
Average starting salary:
\$38,000.00
Average salary after 5 years:
\$50,000.00
Average salary after 10 to 15
years: \$65,000.00

Professionals Read:
Independent School Bulletin
Journals in area of specialty

**Books, Films, and TV Shows
Featuring the Profession:**
Dangerous Minds
Dead Poets Society
Lean on Me
In and Out

Major Employers
Colorado Department of Education
Louisiana Department of
Education
Chicago Board of Education

Major Associations
American Association of Colleges
for Teacher Education
www.aacte.org

American Federation of Teachers
www.aft.org

National Education Association
www.nea.org

Veterinarian

of people in profession: 59800
Female: 20%
Male: 80%
Average hours per week: 50
Average starting salary:
\$50,000.00
Average salary after 5 years:
\$80,000.00
Average salary after 10 to 15
years: \$100,000.00

Professionals Read:
Journal AMVA
Journal of Veterinarian Research
Small Animal Research

**Books, Films, and TV Shows
Featuring the Profession:**
All Creatures Great and Small
Petttime
Dr. Doolittle

Major Employers
Animal Medical Center at Bobse
Hospital
Colorado State University
ASPCA

Major Associations
American Veterinary Medical
Association
www.avma.org

Association of American
Veterinary Medical College
www.aavmc.org

SCIENCE CAREERS
(source: www.princetonreview.com)

Zoologist

of people in profession: 13000

Female: 25%

Male: 75%

Average hours per week: 40

Average starting salary:

\$28,000.00

Average salary after 5 years:

\$36,000.00

Average salary after 10 to 15

years: \$49,000.00

Professionals Read:

American Zoologist

Journal of Primatology

Journal of Mammalogy

Books, Films, and TV Shows

Featuring the Profession:

Project X

Cat People

Major Employers

Bronx Zoo

Milwaukee Zoo

San Diego Zoo

Major Associations

American Zoo & Aquarium

Association

www.aza.org

Society for Integrative and

Comparative Biology

www.sicb.org

TECHNOLOGY CAREERS
(source: www.princetonreview.com)

Avionics Technician

of people in profession: 736000
Female: 10%
Male: 90%
Average hours per week: 45
Average starting salary:
\$14,000.00
Average salary after 5 years:
\$22,830.00
Average salary after 10 to 15
years: \$32,500.00

Professionals Read:

Aviation Week and Space
Technology
Flight

**Books, Films, and TV Shows
Featuring the Profession:**

Iron Eagle
Groundmen
The Gypsy Moth
Black Sunday

Major Employers

Boeing Aircraft
Cessna Aircraft Company
McDonnell Douglas

Major Associations

American Institute of Aeronautics
& Astronautics
www.aiaa.org

Professional Aviation Maintenance
Association

**Computer
Operator/Programmer**

of people in profession: 688000
Female: 5%
Male: 95%
Average hours per week: 40
Average starting salary:
\$45,300.00
Average salary after 5 years:
\$70,000.00
Average salary after 10 to 15
years: \$90,000.00

Professionals Read:

Computer World
Database Programming and
Design
Network World

**Books, Films, and TV Shows
Featuring the Profession:**

The Road Ahead
Galatea 2.2
Hackers
Cyberpunk

Major Employers

Intel Corporation
Microsoft Corporation
Telecordia Technologies
Advanced Micro Devices

Major Associations

American Electronic Association
www.aeanet.org

Programmers Association c/o
Aristotle Industries
www.aristotle.org

Information Manager

of people in profession: 29000
Female: 10%
Male: 90%
Average hours per week: 50
Average starting salary:
\$77,000.00
Average salary after 5 years:
\$98,000.00
Average salary after 10 to 15
years: \$123,000.00

Professionals Read:

Information Week
Data Communications
Application Trends

**Books, Films, and TV Shows
Featuring the Profession:**

Golden Eye
The Age of Information
The Third Wave
Major Employers
TRW Systems and Information
Andersen Consulting

Major Associations

Software and Information Industry
Association
www.infoindustry.org

Information & Technology
Association of America
www.itaa.org

The Association for Information &
Image Management International
www.aiim.org

TECHNOLOGY CAREERS
(source: www.princetonreview.com)

**Internet/Intranet
Technologies Manager**

of people in profession:
Female: %
Male: 100%
Average hours per week: 51
Average starting salary:
\$42,000.00
Average salary after 5 years:
\$60,000.00
Average salary after 10 to 15
years: \$80,600.00

Professionals Read:

Network Computing Magazine
Computer World Magazine
Wired

**Books, Films, and TV Shows
Featuring the Profession:**
The Net

Major Employers

Most any large corporation today
has someone in charge of their
Internet

Major Associations

Institute for the Certification of
Computer Professionals
www.iccp.org

Information and Technology
Association of America

Navy-Officer

of people in profession: 281334
Female: 15%
Male: 85%
Average hours per week: 140
Average starting salary:
\$27,000.00
Average salary after 5 years:
\$34,000.00
Average salary after 10 to 15
years: \$51,000.00

Professionals Read:

Journal of Military History
All Hands
Stars and Stripes
War and Conflict

**Books, Films, and TV Shows
Featuring the Profession:**

The Cain Mutiny
Profiles in Courage
The Hunt for Red October
McHale's Navy

Major Employers

The United States Navy

Major Associations

Navy SEALS
www.navyseals.com

United States Marines
www.marines.com

United States Air Force
www.airforce.com

Network Engineer

of people in profession: 299308
Female: %
Male: 100%
Average hours per week: 50
Average starting salary:
\$44,000.00
Average salary after 5 years:
\$75,000.00
Average salary after 10 to 15
years: \$120,000.00

Professionals Read:

System Administration
Wired
Network Magazine
Network World Fusion

**Books, Films, and TV Shows
Featuring the Profession:**

Hackers
Sneakers

Major Employers

Most large companies with a large
network of offices

Major Associations

Network Professional Association
www.npa.org

System Administration,
Networking, and Security SANS
Institute
www.sans.org

TECHNOLOGY CAREERS
(source: www.princetonreview.com)

Research Technician

of people in profession: 227000
Female: 52%
Male: 48%
Average hours per week: 40
Average starting salary:
\$18,400.00
Average salary after 5 years:
\$30,100.00
Average salary after 10 to 15
years: \$45,200.00

Professionals Read:

Science
Nature
Waste Management and Research

**Books, Films, and TV Shows
Featuring the Profession:**

Communication Skills for the
Environmental Technic
Medical Research Technician
Species
Young Frankenstein

Major Employers

Centers for Disease Control and
Prevention
U.S. Environmental Protection
Agency
Baylor College of Medicine

Major Associations

American Chemical Society
Education Division
www.acs.org

Association for Women in Science
www.awis.org

American Association for the
Advancement of Science
www.aaas.org

Software Developer

of people in profession: 215000
Female: 20%
Male: 80%
Average hours per week: 50
Average starting salary:
\$42,600.00
Average salary after 5 years:
\$66,200.00
Average salary after 10 to 15
years: \$89,000.00

Professionals Read:

MacUser
Interactive Week
INTERNET World
PC Game

**Books, Films, and TV Shows
Featuring the Profession:**

Disclosure
The Road Ahead
Hackers
Sneakers

Major Employers

The Learning Company
Microsoft Corporation

Major Associations

Software & Information Industry
Association
www.siiia.net

Semiconductor Industry
Association
www.semichips.org

American Electronics Association
www.aeanet.org

Systems Administrator

of people in profession:
Female: %
Male: 100%
Average hours per week: 40
Average starting salary:
\$37,000.00
Average salary after 5 years:
\$120,000.00
Average salary after 10 to 15
years: \$120,000.00

Professionals Read:

www.sans.com
www.usenix.org
www.Deja.com
Fresh Meat

**Books, Films, and TV Shows
Featuring the Profession:**

Nerds
The Plot to Get Bill Gates

Major Employers

Most companies, large or small,
employ systems administrators to
keep their systems running
smoothly.

Major Associations

The Systems Administration Guild
(SAGE)
www.usenix.org

Systems Administration,
Networking, and Security
www.sans.org

TECHNOLOGY CAREERS
(source: www.princetonreview.com)

Systems Analyst

of people in profession: 617000
Female: %
Male: 100%
Average hours per week: 40
Average starting salary:
\$80,000.00
Average salary after 5 years:
\$150,000.00
Average salary after 10 to 15
years: \$150,000.00

Professionals Read:

Information Week
C++ Journal
Wired

Books, Films, and TV Shows

Featuring the Profession:

Tom Clancy novels

Major Employers

Any company with an Intranet or
Web site.

Major Associations

The Systems Administration Guild
(SAGE)
www.usenix.org

Technical Support Specialist

of people in profession: 429000
Female: %
Male: 100%
Average hours per week: 45
Average starting salary:
\$37,000.00
Average salary after 5 years:
\$125,000.00
Average salary after 10 to 15
years: \$150,000.00

Professionals Read:

Information Week
Wired
www.usenix.org
www.deja.com

Books, Films, and TV Shows

Featuring the Profession:

Nerds

Major Employers

Most large corporations and
Internet companies

Major Associations

Help Desk Institute

Software Support Professionals
Association
www.sspa-online.com

The Association of Support
Professionals
www.asponline.com

**Telecommunications
Specialist**

of people in profession: 60300
Female: 15%
Male: 85%
Average hours per week: 50
Average starting salary:
\$34,600.00
Average salary after 5 years:
\$42,100.00
Average salary after 10 to 15
years: \$54,300.00

Professionals Read:

Datamation
Data Communications
Information Week

Books, Films, and TV Shows

Featuring the Profession:

The History of California
The 21st Century
Videowave

Major Employers

Bell Atlantic
Cox Communications San Diego
American Telephone and
Telegraph Corporation
United Technologies Corporation

Major Associations

National Association of
Telecommunications Officers and
Advisors
www.natoa.org

Cellular Telecommunications
Industry Association
www.wow-com.com

Cable Telecommunications
Association
www.catanet.org

TECHNOLOGY CAREERS
(source: www.princetonreview.com)

Textile Manufacturer

of people in profession: 55600
Female: 15%
Male: 85%
Average hours per week: 40
Average starting salary:
\$21,000.00
Average salary after 5 years:
\$34,000.00
Average salary after 10 to 15
years: \$52,000.00

Professionals Read:

Textile Rental
TRSA Weekly
Journal of Apparel

**Books, Films, and TV Shows
Featuring the Profession:**

So Fine
The Sweater War

Major Employers

Liberty Fabrics, Inc.
Hartmarx
Burlington Industries, Inc.

Major Associations

American Textile Manufacturers
Institute
www.atmi.org

Institute of Textile Technology
(ITT)
www.itt.edu

Northern Textile Association
www.textilenta.org

Web Editor

of people in profession: 340805
Female: %
Male: 100%
Average hours per week: 50
Average starting salary:
\$45,000.00
Average salary after 5 years:
\$80,000.00
Average salary after 10 to 15
years:

Professionals Read:

www.hireminds.com
www.content-exchange.com

**Books, Films, and TV Shows
Featuring the Profession:**

Creative Directors
Writers
Art Directors

Major Employers

Any company with a Website
needs a Web editor.

Major Associations

National Writers Union
www.nwu.org

National Office East

National Office West

Association of Internet
Professionals

Web Programmer

of people in profession: 648000
Female: %
Male: 100%
Average hours per week: 50
Average starting salary:
\$57,000.00
Average salary after 5 years:
\$80,000.00
Average salary after 10 to 15
years:

Professionals Read:

Industry Standard
Silicon Alley Reporter

**Books, Films, and TV Shows
Featuring the Profession:**

Hackers
The Matrix

Major Employers

Most Web-based companies

Major Associations

Online user groups and forums for
software

International Programmers Guild
www.ipgnet.com

TECHNOLOGY CAREERS
(source: www.princetonreview.com)

Website Designer

of people in profession:
Female: %
Male: 100%
Average hours per week: 50
Average starting salary:
\$44,000.00
Average salary after 5 years:
\$70,000.00
Average salary after 10 to 15
years:

Professionals Read:

Network Computing Magazine
Computerworld Magazine
Wired

**Books, Films, and TV Shows
Featuring the Profession:**

Idoru
The Net

Major Employers

Any company with an Intranet or
Website.

Major Associations

Institute for the Certification of
Computer Professionals
www.iccp.org

Graphic Arts Guild

Information and Technology
Association of America

Webmaster

of people in profession:
Female: %
Male: 100%
Average hours per week: 50
Average starting salary:
\$48,800.00
Average salary after 5 years:
\$75,000.00
Average salary after 10 to 15
years:

Professionals Read:

Network Computing Magazine
Computerworld Magazine
Wired

**Books, Films, and TV Shows
Featuring the Profession:**

Idoru
The Net

Major Employers

Any company with an Intranet

Major Associations

Institute for the Certification of
Computer Professionals
www.iccp.org

Information and Technology
Association of America