



ENGINEERING



ENGINEERING CAREERS

Occupational Specialties	Education Level	Nat'l Avg Salary/Yr
Aerospace Engineer	Bachelor's	\$93,980
Chemical Engineer	Bachelor's	\$88,760
Biomedical Engineer	Bachelor's	\$81,120
Civil Engineer	Bachelor's	\$78,560
Computer Hardware Engineer	Bachelor's	\$100,180
Electrical Engineer	Bachelor's	\$85,350
Industrial Engineer	Bachelor's	\$75,740
Mechanical Engineer	Bachelor's	\$78,200
Nuclear Engineer	Bachelor's	\$99,750
Petroleum Engineer	Bachelor's	\$119,140
Materials Engineer	Bachelor's	\$84,200
AVERAGE EARNINGS	➔	\$89,000



Virginia Career VIEW
 Virginia Tech
 School of Education
 1-800-542-5870
www.vacareerview.org



Related Interests:

- π Building model airplanes
- π Designing with computers
- π Creating or producing items
- π Designing highways/buildings
- π Fixing machinery
- π Conducting research
- π Performing laboratory studies
- π Conducting experiments
- π Designing simple machines
- π Developing processes and plans

What Engineers Do:

- π Design machinery
- π Construct buildings
- π Develop new products
- π Design/Test vehicles or planes
- π Test/Analyze hardware
- π Provide technical support to designers
- π Build, test and modify machinery
- π Prepare estimates

Related Occupations:

- π Engineering Technicians
- π Mathematicians
- π Scientists
- π Science Technicians

Typical Requirements:

- π Bachelor's Degree (4 yrs required)
- π Earn more with a Master's degree
- π Must keep up with continuing education

Top Virginia Colleges:



Virginia Tech
 Engineering, Microbiology/
 Immunology
www.vt.edu



University of Virginia
 Engineering, Mathematics,
 Environmental science
www.virginia.edu



Virginia Commonwealth
 University
 Anthropology & Engineering
www.vcu.edu

Virginia Business Leaders:



EMCOR
www.emcorgroup.com



ECS
www.ecslimited.com



Moseley Architects
www.moseleyarchitects.com



Visit these websites for more information on Engineering:

- ♦ www.jets.org
- ♦ www.abet.org
- ♦ www.nspe.org
- ♦ www.aia-aerospace.org
- ♦ www.aiche.org
- ♦ www.acs.org
- ♦ www.asce.org
- ♦ www.icrank.com
- ♦ www.discoverengineering.com
- ♦ www.nae.edu
- ♦ www.engineergirl.org
- ♦ www.engineeryourlife.org