

## Reference Sources in the IT Career Services Resource Center

### ***Career Planning Information: Books***

**Academic Careers for Experimental Computer Scientists and Engineers.** National Academy Press. This book explains the nature of ECSE research in academia and describes the challenges of working in that area.

**Alternative Careers in Science.** Robbins-Roth. This book describes the skills important to various careers and illustrates the range of careers open to graduate with a degree in science.

**Careers in Computers.** Stair. Introduction to the major computer-related careers. Provides information on salaries, employment outlook, resources, and references.

**Careers in Engineering.** Garner. A comprehensive guide to current opportunities in engineering careers, including job duties, educational requirements, salaries, benefits, and employment outlook. Personal qualities and interests are discussed. Information on professional licensure and on women and minorities in engineering is included.

**Careers in the Environment.** Fasulo and Walker. Describes dozens of careers in the environment: job duties, educational requirements, settings, salaries, and employment outlook.

**Careers in High Tech.** Basta. Information on many career paths in high tech, including qualifications, salary, education, employment trends, and job market.

**Careers in Medicine.** This book presents statistics, insights, and expert advice on diverse careers in the medical field. Excellent section on specialties and subspecialties. Lists of medical schools and medical organizations are included.

**Careers in Multimedia.** Vivid Studios. Provides explanation of the various roles in interactive media. Education, employment, and more.

**Careers in Science.** Easton. Surveys of many of the career opportunities in the sciences, including educational requirements, potential income, job descriptions, employment outlook, etc.

**The Fantastical Engineer: A Thrill Seeker's Guide to Careers in Theme Park Engineering.** Baine. Compiled information on "glamour" jobs in engineering and on how engineers create the "magic" in theme parks, restaurants, and museums; preparation for entry into this fast-paced industry; challenges for computer, mechanical, structural, electrical, industrial, architectural, and audio engineers. Includes appendix of theme entertainment employers and roller-coaster manufacturers.

**Great Jobs for Engineering Majors.** Garner. An informational guide for discovering all of your options, targeting your ideal career, presenting your major as an important asset, perfecting your job search, following through and getting results, and setting a path to advance your career.

**Job Hunter's Final Exam.** Thomas M. Camden. Here are the job hunter's 100 toughest questions in simple true/false format. Take the test, score yourself, and read the extended answers.

**Opportunities in Chemistry Careers.** Woodburn. Information regarding salaries, employment outlook, career specialization, and educational requirements for chemistry careers. Personal qualities are also discussed.

**Preparing Physicists for Work.** Schaub. Includes vignettes of physicists working outside of academia. Skills assessment, sample cover letters and resumes, interview preparation, negotiation skills, and more.

**Real People Working in Science.** Goldberg. Firsthand accounts give you an insider's view on jobs in the science fields (life sciences, agricultural sciences, physical sciences, engineering, computer science, and mathematics). Contains interview with people in the field and information on training, educational requirements, salary ranges, related careers, and resources for more information.

## **Directories and Company Profiles**

**American Consulting Engineers Council 2000-01 Directory.** A listing of member organizations and the independent consulting engineering firms. Entries include phone numbers, addresses, principals, and areas of interest. Also explains council's aims and activities.

**American Wind Energy Association Membership Directory.** Industry members. Listing of companies currently providing wind energy products and services. Descriptions and contact information.

**Big Green Internship Book: Internships and Summer Jobs for the Environment.** Career Education Institutes. Describes internships and summer positions working for the environment. Contact information and organization for federal agencies, state parks, and environmental organizations.

**Biotechnology Guide USA.** A listing of over 700 biotechnology firms and 95 corporations using biotechnology. Includes contact information and areas of interest.

**The Complete Guide to Environmental Careers in the 21<sup>st</sup> Century.** The Environmental Careers Organization. The most comprehensive and reliable source available on environmental career opportunities. Includes case studies of representative work, information on getting started, job search, and resources for further information.

**CorpTech Directory of Technology Companies 2000.** Vols. I-VI. Corporate Technology Information Services. Listings of private, public, and foreign-owned companies.

**Directory of Foreign Manufacturers in the United States.** Fifth Edition. Arian and Ricks. Vast indices of foreign companies in the U.S. Arranged by state location, parent company, country of parent company, and products of standard industrial classification.

**Directory of Minnesota Business and Professional Associations.** A guide to the many local trade associations and professional societies active in Minnesota. Each entry includes a statement of the organization's purpose, a description of its members, address, phone number, contact person, president, publications, national affiliate, and election month.

**Engineering for the Year 2001 and Beyond.** Consulting Engineering Council of Minnesota. A directory of CEC/M member firms, their field of practice, activities, and contact information.

**Environmental Engineering Selection Guide.** American Academy of Environmental Engineers. Directory of engineering firms and educational institutions employing board-certified specialists. Contact information and scope of services.

**Harris Manufacturers Directory 1998.** Harris Infosource. Profiles of manufacturers with 100 or more employees. Product description, annual sales, size, import/export data, locations, and more. Vol 1: Northeast; Vol. 2: West; Vol. III: Southeast.

**Hoover's Guide to Computer Companies.** Reference Press in Association with Upside. Packed with useful information on over 1,000 top global companies in the computer industry, from hardware manufacturing and microchip makers to software companies and system designers.

**Hoover's Handbook of World Business 1999.** Eds. Spain and Talbot. Profiles major European, Asian, Latin American, and Canadian companies.

**Illinois Manufacturer's Register 2001.** Manufacturer's News. Profiles of more than 22,000 of the state's manufacturing and processing establishments classified by product, alphabetical listing, geographical area, parent company, and more. Contact information included.

**Iowa Manufacturer's Register 2001.** Profiles of more than 22,000 of the state's manufacturing and processing establishments classified by product, alphabetical listing, geographical area, parent company, and more. Contact information included.

**Information Technology Services Membership Directory.** Information Technology Association of America. Companies that create and market products and/or services associated with computers, communications, and data.

**Medical Alley Directory 1998-99.** Minnesota health care manufacturer providers and service organizations are listed alphabetically. Company profiles include major products/services, general information, officers, and contacts. Product/service index included.

**Minnesota Directory of Engineering 2002.** A comprehensive listing of companies, consulting firms, and government agencies that employ engineers. Each entry includes phone number, address, contact person, and type of engineering service.

**Minnesota Directory of Engineering 1998-99.** American Consulting Engineers Council. Provides a listing of ACEC committees, members, company names, and contact information. Includes ACEC bylaws, policy and procedures, and related engineering societies and associations.

**Minnesota Manufacturer's Register 2002.** Manufacturer's News. Guide to the state's manufacturing and processing establishments classified by product, alphabetical listing, geographical area, parent company, and more. Contact information included.

**The 1998-99 Minnesota Technology Directory.** Sponsored by Dorsey and Whitney, The St. Paul Companies, Medtronic, Peat Marwick, and KPMG. A comprehensive, alphabetical listing of technology-intensive companies in Minnesota. Addresses, company descriptions, contact names, and phone numbers are included.

**Peterson's Guide to Graduate Programs in Engineering and Applied Sciences.** Includes profiles and contact information for over 3,500 graduate programs in 48 disciplines with information on faculty research specialties and entrance and degree requirements, expenses, financial aid, and programs of study.

**Peterson's Job Opportunities in Engineering and Technology 1996.** Peterson's. Thousands of opportunities in communications, engineering, consulting, electronics, software, and other technology-related businesses. Positions as engineers, computer programmers, sales professionals, accountants, and more. Features over 2,000 employer profiles.

**Peterson's Job Opportunities in Health Care 1996.** Peterson's. Thousands of opportunities in health service organizations and pharmaceutical, insurance, medical technology, managed care, and related businesses. Careers in nursing, financial management, physical therapy, hospital administration, and more. Features over 1,300 employer profiles.

**Wisconsin Manufacturer's Register 2001.** Manufacturer's News. Profiles of over 11,000 of the state's manufacturing and processing establishments classified by product, alphabetical listing, geographical area, parent company, and more. Contact information included.

### ***Statistical Information: Binders***

Current IT student salary surveys  
On-campus recruiting: recruiters' business cards  
Salary surveys

### ***Statistical Information: Books***

Salaries of Scientists, Engineers, and Technicians, Nineteenth Edition, June 2001. Commission on Professionals in Science and Technology. A summary of salary surveys conducted by a number of organizations, including agencies and departments of the federal government, professional, scientific and engineering organizations, educational associations, magazine publishers, other professional trade organizations and associations, and for-profit organizations.