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Salem Press Announces the First Edition of *Careers in Science & Engineering*

Salem Press is proud to announce the first edition of *Careers in Science & Engineering*. This publication contains over twenty-five alphabetically arranged articles describing specific fields of interest in this broad industry segment. Merging scholarship with occupational development, this single comprehensive guidebook provides students in science and engineering insight and instruction on what they can expect in terms of training, advancement, earnings, job prospects, working conditions, relevant associations, and more.

Understanding the wide variety of jobs in these segments is important for anyone preparing for a career in this field. *Careers in Science & Engineering* comprises more than twenty-five lengthy chapters on a broad range of occupations including traditional and long-established jobs such as Civil Engineer and Chemist, as well as in-demand jobs like Computer Engineer and Mining & Geological Engineer. This excellent reference also presents possible career paths and high-growth and emerging occupations within this field.

Careers in Science & Engineering is also enhanced with numerous charts and tables, including projections from the US Bureau of Labor Statistics, and median annual salaries or wages for those occupations profiled. Each chapter also notes those skills that can be applied across broad occupation categories. Interesting enhancements, like “Fun Facts”, “Famous Firsts”, and dozens of photos, add depth to the discussion. A highlight of each chapter is “Conversation With”, a two page interview with a professional working in a related job. The respondents share their personal career paths, detail potential for career advancement, offer advice for students, and include a “try this” for those interested in embarking on a career in their profession.

Length and Format

Overviews

Overviews range in length from 3,500 to 4,500 words and all entries begin with a Snapshot of the occupation that includes career clusters, interests, earnings, and employment outlook. Also included is a profile that outlines working conditions, educational needs, and physical abilities along with the occupation’s Holland Interest Score, which matches up character and personality traits with specific jobs.

Occupational Profiles:

Profiles range in length from 1,500 to 2,000 words and lists specific jobs that are related in some way, like Chemical Engineering Technician (Chemical Engineer) and Statistician (Mathematician). This section also includes a list of Duties and Responsibilities.

Work Environment: a brief introduction to the physical, human, and technological environment of the occupation profiled.

Education, Training, and Advancement: outlines how to prepare for this occupation while in high school, and what college courses to take, including licenses and certifications needed. A section is devoted to the Adult Job Seeker, and there is a list of skills and abilities needed to succeed in the job profiled.

Earnings and Advancements: offers specific salary ranges, and includes a chart of metropolitan areas that have the highest concentration of the profession.

Employment and Outlook: discusses employment trends, and projects growth to 2020. This section also lists related occupations.

Selected Schools: list those prominent learning institutions that offer specific courses in the profiled occupations.

More Information: includes associations and other groups that the reader can contact for more information. Occupational Profiles also includes the **Transferable Skills** and **Careers Questionnaire** sections.

Several features distinguish this work from other career-oriented reference works. The back matter includes several appendixes and indexes, including a **Guide to Holland Code**, that discusses John Holland's theory that people and work environments can be classified into six different groups: Realistic; Investigative; Artistic; Social; Enterprising; and Conventional. A **General Bibliography** that suggests readings, organized into several major categories and a **Subject Index**, that includes people, concepts, technologies, terms, principles, and all specific occupations discussed in the occupational profile chapters.

Careers in Science & Engineering is specifically designed for a high school and undergraduate audience and is edited to align with secondary or high school curriculum standards. This title is an indispensable reference for anyone looking to excel in the science and engineering field.

Free Online with Print Purchase

In addition, *Careers in Science & Engineering* comes with complimentary online access via <http://online.salempress.com>. A single purchase of the printed version is all it takes to gain access to this important title on the web.

Careers in Science & Engineering

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