

# Engineering Employment Characteristics

## 3

### Utilization of Engineers

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The utilization of engineers has several dimensions. Those discussed in the following section include sector and field of employment, rates of unemployment, primary activities, and mobility among primary activities. Concentration ratios of engineers in the work force are discussed in the next major section, and, finally, efficiency—the degree to which the engineer's technical abilities are being used—is addressed.

#### Employment Characteristics

##### Sector and Field of Employment

According to National Science Foundation data,<sup>8</sup> of all employed scientists and engineers in 1982, some 75 percent were employed in business and industry. About 5 percent worked for educational institutions, 7 percent for the federal government, and 10 percent for all other employers.

On the whole, engineers tend to remain in technical work, although wide variations are found within engineering disciplines. NSF data on engineers in the labor force in 1982 show that 88 percent of them reported that they were employed in the sciences and engineering. By discipline, the percentages of those so employed ranged from 64 percent for mining engineers to 95 percent for civil and nuclear engineers.<sup>9</sup>

A more accurate, if narrower, evaluation can be made by tracking

16

Download a PDF of "Engineering Employment Characteristics" by the National Research Council for free. Read chapter Front Matter: Engineering Employment Characteristics. Read chapter 1. Introduction: Engineering Employment Characteristics. Read chapter 3. Utilization of Engineers: Engineering Employment Characteristics. [NSF ] Nearly 22 million persons classified as scientists and engineers were employed in the United States as of October about. Appended are data on engineering employment characteristics, a questionnaire and a summary of the results of the informal mail survey of employers of. Engineering employment characteristics / Panel on Engineering Employment Characteristics, Committee on the Education and Utilization of the Engineer. Employment outcomes of engineering graduates: key factors and diversity characteristics. 1. This report investigates the employment destinations of recent. Based on the national scale of engineering graduate surveys conducted in , , , and by Peking University, this work. Employment and Characteristics of Women Engineers\*. Women trained in engineering have succeeded in entering jobs which traditionally have been open . Engineering Employment Characteristics. Front Cover. Panel on Engineering Employment Characteristics, Committee on the Education and Utilization of the. Multiple Pathways to Science and Engineering Employment: Characteristics of the U.S. S&E Workforce. Abstract: Since the post-World War II era, the U.S. has. Chemical engineers apply the principles of chemistry, biology, physics, and math to solve problems that Work Experience in a Related Occupation, None. 2 What Are Three Personal Characteristics of a Mechanical Engineer? Not all engineering jobs require you to perform complex derivative equations as a part. A career in aerospace engineering will see you working with cutting-edge technology and international companies. As an aerospace engineer you'll research. Engineering is the creative application of science, mathematical methods, and empirical . Physicists and engineers engage in different lines of work. and functional, it must have its geometry, dimensions, and characteristics data defined. By updating work in this area we help SE managers, Software Engineers and interested . RQ1: What are the characteristics of Software Engineers? RQ2: What. A survey was undertaken to explore the experience of 'burnout' among engineers working in the Australian construction industry. The most. All aboard the job train! Engineers work in a variety of fields to analyze, develop and evaluate large-scale, complex systems. This can mean and improve and. Technical Papers. Personal Characteristics Moderate Work Stress in Construction management, Diseases Journal of Construction Engineering and .

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