

Careers in Chemical and Biomolecular Engineering

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Chemical Engineering Magazine

Pharmaceutical Commerce Magazine

Providing a unique approach, this book conveys the scope of chemical and biomolecular engineering practice with the goal of helping interested potential students as well as graduating engineers understand the many engaging career pathways that are available in these dynamic fields.

KEY FEATURES

- Defines chemical and biomolecular engineering in practical terms, with emphasis on relating "classroom learning" to "real-world applications" to identify and describe potential career pathways.
- Describes both traditional and emerging careers pathways illustrated by in-depth profiles of 25 distinguished chemical and biomolecular engineers.
- Describes innovative alternative careers available to students with the knowledge, skills, intellectual rigor and problem solving capabilities that today's chemical engineer and biomolecular engineer possess.
- Helps students, parents, teachers, and advisors make informed choices when deciding whether to select these rigorous majors, and to broaden their search when seeking internships during college and graduate school, and post-graduation employment.

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Profiles of 25 Working Engineers

Preface for Students, Guidance Counselors, Mentors, and Teachers

About the Authors

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Chapter 2 Historical Adventures in Chemical and Biomolecular Engineering

Chapter 3 Where Do Most Chemical and Biomolecular Engineers Work? How Much Are They Paid?

Chapter 4 Basic Concepts: Chemical Processes and Unit Operations

Chapter 5 Basic Concepts: Equilibrium and Rate Processes

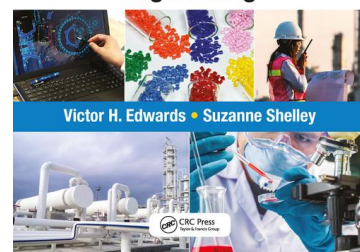
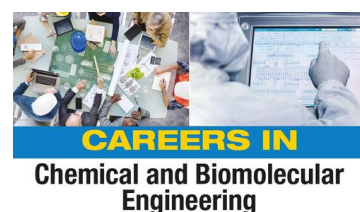
Chapter 6 Basic Concepts: Separation Processes and Other Unit Operations

Chapter 7 Basic Concepts: Dynamics and Control of Chemical Reactions and Processes

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Chapter 9 Roles Chemical and Biomolecular Engineers Play

Chapter 10 Future Directions in Chemical and Biomolecular Engineering



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Catalog no. K34943

August 2018, 188 pp.

ISBN:

978-1-1380-9991-3

\$59.95 / £46.99

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