

# fundamentals of engineering exams

Fundamentals of Engineering Exams: A Gateway to a Successful Engineering Career

**fundamentals of engineering exams** are a critical stepping stone for aspiring engineers aiming to become licensed professionals. These exams test an individual's grasp of core engineering principles and their ability to apply theoretical knowledge to practical problems. Understanding the structure, content, and preparation strategies for these exams can greatly enhance a candidate's chances of success, paving the way for a rewarding career in various engineering disciplines.

## What Are Fundamentals of Engineering Exams?

The Fundamentals of Engineering (FE) exam is typically the first exam an engineer must pass to become a licensed Professional Engineer (PE). Administered by the National Council of Examiners for Engineering and Surveying (NCEES) in the United States, the FE exam evaluates knowledge of fundamental engineering concepts across a broad spectrum of disciplines, including civil, mechanical, electrical, chemical, and more.

Passing the FE exam signifies that an individual has demonstrated a solid foundation in engineering fundamentals, which is essential before progressing to the PE exam. Many universities and employers highly encourage or even require passing the FE exam as part of an engineer's professional development.

## Exam Structure and Format

Understanding the exam's structure is key to effective preparation. The FE exam is computer-based and consists of 110 multiple-choice questions, which must be completed within a six-hour testing window. This time includes a tutorial, a scheduled break, and a brief survey at the end.

## Discipline-Specific Sections

The exam is tailored to different engineering disciplines, each with specific subject focus areas:

- **Civil Engineering:** Topics include structural analysis, geotechnical engineering, transportation, and environmental engineering.
- **Mechanical Engineering:** Covers thermodynamics, fluid mechanics, materials science, and dynamics.
- **Electrical and Computer Engineering:** Focuses on circuits, digital systems, electromagnetics, and signals.

- **Chemical Engineering:** Includes process calculations, thermodynamics, mass transfer, and reaction engineering.
- **Other Disciplines:** Industrial, environmental, and general engineering exams are also available.

Each discipline-specific exam tests both general engineering knowledge and topics unique to that field, ensuring candidates are well-rounded and specialized.

## Importance of the Fundamentals of Engineering Exam

Passing the FE exam is more than just a mandatory hurdle; it serves multiple purposes in an engineer's career path:

### Licensing and Certification

The FE exam is the first step toward becoming a licensed PE, which offers legal authority to sign off on engineering projects, ensures adherence to safety and ethical standards, and often opens doors to higher responsibility and better salary prospects.

### Professional Credibility

Successfully passing the FE exam demonstrates a commitment to the profession and validates technical competence, which can boost credibility with employers, clients, and peers.

### Career Advancement

Many engineering firms encourage or require passing the FE exam early in an engineer's career. This achievement often leads to faster promotions and eligibility for specialized roles.

## Effective Strategies for Preparing for the Fundamentals of Engineering Exams

Preparation is the cornerstone of success when tackling the FE exam. Here are some proven strategies that candidates find helpful:

## **Understand the Exam Specifications**

Before diving into study materials, review the NCEES FE exam specifications. Knowing the breakdown of topics and question distribution helps in prioritizing study areas based on individual strengths and weaknesses.

## **Create a Study Schedule**

Developing a realistic study plan with daily or weekly goals keeps preparation on track. Consistency over time beats last-minute cramming, especially given the breadth of material covered.

## **Utilize Quality Study Materials**

There is a wide array of prep books, online courses, practice exams, and flashcards dedicated to FE exam preparation. Choose resources that explain concepts clearly and provide ample practice questions with solutions.

## **Practice with Timed Exams**

Time management is crucial during the exam. Simulating test conditions by taking timed practice exams can build stamina and improve pacing, helping reduce anxiety on test day.

## **Focus on Weak Areas**

As you practice, identify topics where your understanding is shaky and devote extra time to reinforcing those areas.

## **Use the NCEES Reference Handbook**

The FE exam provides candidates with the NCEES FE Reference Handbook during the test. Familiarize yourself with this handbook beforehand so you can quickly find formulas, tables, and information during the exam.

## **Common Challenges and How to Overcome Them**

Many candidates encounter obstacles while preparing for the FE exam, but recognizing these challenges can help in overcoming them effectively.

## **Volume of Material**

With such a broad spectrum of topics, it's easy to feel overwhelmed. Break down studying into manageable chunks, focusing on one subject at a time rather than trying to cover everything simultaneously.

## **Balancing Study with Work or School**

For working professionals or students, time management is critical. Prioritize study time by setting aside dedicated hours each day and minimizing distractions during these periods.

## **Test Anxiety**

Feeling nervous before and during the exam is common. Regular practice, mindfulness techniques, and positive visualization can help reduce anxiety and improve focus.

## **Application of Concepts**

The FE exam tests applied knowledge, not just memorization. Engage with practice problems that require critical thinking and problem-solving, and try to understand the underlying principles rather than rote learning.

## **Who Should Take the Fundamentals of Engineering Exam?**

Typically, the FE exam is designed for recent graduates or students close to completing an undergraduate engineering degree. However, professionals who have relevant work experience but did not attend an accredited engineering program may also be eligible in some states.

It's best to check with your state's licensing board for specific eligibility criteria, as requirements vary. Taking the FE exam early in your career can be advantageous, allowing you to accumulate the necessary experience for PE licensure while having the FE exam completed.

## **How Passing the FE Exam Fits Into the Larger Licensing Process**

The Fundamentals of Engineering exam is the initial step in a multi-stage licensing process:

1. **Pass the FE Exam:** Demonstrates foundational engineering knowledge.
2. **Gain Work Experience:** Typically, four years of supervised engineering experience under a licensed PE.
3. **Pass the PE Exam:** Tests discipline-specific and professional practice knowledge.
4. **Obtain Licensure:** After fulfilling all requirements, candidates become licensed Professional Engineers.

This pathway ensures that licensed engineers are competent, ethical, and well-prepared to protect public health and safety.

## Technological Advances and the FE Exam

In recent years, the FE exam has evolved with technology. The computer-based testing format allows for quicker scoring and more flexible scheduling. Additionally, the exam's content is regularly updated to reflect current engineering practices and emerging fields, such as renewable energy and sustainable design.

Candidates now have access to online study platforms that use adaptive learning techniques to tailor preparation to individual needs, making study more efficient and effective.

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Whether you're just starting your engineering journey or looking to formalize your credentials, understanding the fundamentals of engineering exams is essential. With the right preparation, mindset, and resources, passing the FE exam can be a rewarding milestone that opens the door to a fulfilling career in engineering.

## Frequently Asked Questions

### What is the Fundamentals of Engineering (FE) exam?

The Fundamentals of Engineering (FE) exam is a computer-based test administered by the National Council of Examiners for Engineering and Surveying (NCEES) that assesses the knowledge and skills learned in an undergraduate engineering program. It is typically the first step toward becoming a licensed professional engineer (PE) in the United States.

### Who is eligible to take the FE exam?

Eligibility requirements vary by state, but generally, candidates must have completed or be close to completing an accredited engineering degree program. Some states also allow individuals with relevant work experience or alternative qualifications to sit for the exam.

## What topics are covered in the FE exam?

The FE exam covers a wide range of fundamental engineering topics including mathematics, probability and statistics, ethics and professional practice, engineering economics, materials science, statics, dynamics, thermodynamics, fluid mechanics, electrical circuits, and more, depending on the specific engineering discipline selected.

## How is the FE exam structured and scored?

The FE exam is a computer-based test consisting of 110 multiple-choice questions administered over 6 hours, including a tutorial and breaks. The exam is scored on a pass/fail basis, with NCEES determining the passing score based on statistical analysis and exam difficulty.

## What study resources are recommended for preparing for the FE exam?

Recommended study resources include the NCEES FE Reference Handbook (which is the only reference material allowed during the exam), FE exam prep books, practice exams, review courses (online or in-person), and study groups. Using multiple resources helps reinforce understanding and improve problem-solving skills.

## How often is the FE exam offered?

The FE exam is offered year-round at approved Pearson VUE test centers. Candidates can schedule the exam at their convenience, subject to availability, offering flexibility in preparation and testing.

## What are the next steps after passing the FE exam?

After passing the FE exam, candidates typically become Engineer Interns (EIs) or Engineering in Training (EITs). The next step is to gain the required work experience, usually four years under a licensed PE, before applying to take the Principles and Practice of Engineering (PE) exam to become a licensed professional engineer.

## Additional Resources

Fundamentals of Engineering Exams: Navigating the Path to Professional Licensure

**Fundamentals of engineering exams** represent a critical milestone for aspiring engineers seeking to establish credibility and advance their careers within the engineering profession. These exams serve not only as a rigorous assessment of fundamental engineering principles but also as a gateway to professional licensure, which is often required for higher responsibility roles, public safety considerations, and legal recognition as a practicing engineer. Understanding the structure, content, and strategic approach to these exams is essential for candidates aiming to succeed in this competitive and intellectually demanding environment.

# Understanding the Fundamentals of Engineering Exam

The Fundamentals of Engineering (FE) exam is typically the first step in the multi-stage process toward becoming a licensed Professional Engineer (PE). Administered by the National Council of Examiners for Engineering and Surveying (NCEES) in the United States, the FE exam evaluates candidates on their grasp of core engineering concepts aligned with the educational curriculum of engineering undergraduate programs. While the exam content varies slightly depending on the engineering discipline—such as civil, mechanical, electrical, chemical, or environmental engineering—the fundamental structure remains consistent.

The exam's primary objective is to verify that graduates possess the necessary foundational knowledge to proceed toward professional practice. Successful completion of the FE exam is often a prerequisite for the Professional Engineering (PE) exam, which tests more advanced, discipline-specific expertise and practical application.

## Exam Format and Content Coverage

The FE exam is delivered as a computer-based test (CBT), usually lasting six hours, including scheduled breaks. Candidates face approximately 110 multiple-choice questions, spanning a comprehensive range of topics tailored to their chosen discipline. The exam is designed to assess not only theoretical knowledge but also practical problem-solving skills.

Key content areas commonly tested include:

- Mathematics and Probability
- Engineering Sciences and Mechanics
- Materials Science
- Thermodynamics and Fluid Mechanics
- Electrical Circuits and Systems
- Ethics and Professional Practice
- Statics, Dynamics, and Structural Analysis
- Environmental and Safety Considerations

The NCEES provides detailed specifications for each exam discipline, helping candidates tailor their preparation effectively.

# Significance and Benefits of Passing the FE Exam

Passing the fundamentals of engineering exams confers several professional advantages. Firstly, it marks the transition from an engineering graduate to an Engineer-in-Training (EIT) or Engineering Intern (EI), a designation that signals to employers and clients a verified level of competence. This recognition can enhance job prospects, salary potential, and eligibility for advanced projects.

Moreover, the FE exam is a stepping stone toward the Professional Engineering license, which is legally required for engineers involved in public safety-critical projects such as infrastructure design, environmental compliance, and manufacturing process oversight. Holding a PE license often opens doors to leadership roles, consulting opportunities, and the ability to sign off on engineering plans and reports.

## Challenges and Preparation Strategies

The FE exam poses notable challenges, primarily due to its breadth and the time constraints under which candidates must operate. Engineering students often find the transition from classroom learning to exam problem-solving demanding, especially when confronted with complex, multi-topic questions that require quick analytical thinking.

Effective preparation involves a multipronged approach:

1. **Comprehensive Review:** Revisiting core engineering concepts and formulas is essential. Utilizing NCEES official practice exams and reference materials helps familiarize candidates with the exam format.
2. **Time Management Practice:** Simulated timed exams improve pacing, ensuring candidates can complete questions without rushing or leaving answers blank.
3. **Use of FE Reference Handbook:** The NCEES provides an official reference handbook during the exam. Candidates should become proficient in navigating this resource to locate formulas and data quickly.
4. **Targeted Study Groups:** Engaging with peers or joining review courses can provide motivation, clarify difficult concepts, and expose candidates to diverse problem-solving techniques.

While the exam requires a strong foundation in academic knowledge, honing test-taking strategies and mental endurance is equally critical.

## Comparisons to Other Engineering Licensure Exams

The fundamentals of engineering exams differ significantly from other licensure assessments in both



scope and purpose. For instance, the PE exam, which follows the FE, is narrower in focus but demands deeper expertise and practical application within a specific engineering discipline. Additionally, some states or countries may administer alternative exams or have different licensure pathways, reflecting local regulatory requirements and professional standards.

International candidates may encounter variations in engineering certification processes, but the FE exam remains a widely recognized benchmark within the United States, often serving as a model for similar assessments globally. This standardization helps maintain uniformity in professional qualifications and safeguards public safety through consistent engineering competency.

## **Technological and Educational Trends Impacting the FE Exam**

Advances in technology and changes in engineering education have influenced the content and delivery of the fundamentals of engineering exams. The shift to computer-based testing has allowed for more efficient exam administration and immediate scoring. Furthermore, the exam content periodically updates to reflect emerging engineering disciplines, evolving industry standards, and contemporary ethical considerations.

For example, recent exams have incorporated questions related to sustainability, cybersecurity in engineering systems, and advanced materials. This evolution ensures that newly licensed engineers are prepared to address modern challenges and contribute innovatively to their fields.

## **Final Thoughts on Navigating the Fundamentals of Engineering Exams**

Embarking on the journey through the fundamentals of engineering exams demands dedication, disciplined study, and strategic preparation. While the exam represents a significant hurdle, it also embodies a rite of passage into the engineering profession, affirming an individual's technical competence and commitment to ethical practice.

For many, passing the FE exam is not merely an academic achievement but a tangible step toward becoming a recognized professional capable of influencing infrastructure, technology, and safety on a broad scale. The exam's rigorous standards help maintain the integrity of engineering as a discipline and ensure that those entering the profession are equipped to meet the complex demands of modern society.

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**fundamentals of engineering exams: Fundamentals of Engineering** Donald G. Newnan, 2004 Provides an in-depth review of the fundamentals for the morning portion and the general afternoon portion of the FE exam. Each chapter is written by an expert in the field. This is the core textbook included in every FE Learning System, and contains SI units.

**fundamentals of engineering exams: Chapman & Hall's Complete Fundamentals of Engineering Exam Review Workbook** Professional Engineer Review Course, 2013-06-29 I am often asked the question, Should I get my PE license or not? Unfortunately the answer is, Probably. First let's take a look at the licensing process and understand why it exists, then take a look at extreme situations for an attempt at a yes/no answer, and finally consider the exams. All 50 have a constitutionally defined responsibility to protect the public. From an engineering point of view, as well as many other professions, this responsibility is met by the process of licensure and in our case the Professional Engineer License. Though there are different experience requirements for different states, the meaning of the license is common. The licensee demonstrates academic competency in the Fundamentals of Engineering by examination (Principles and Practices at PE time). The licensee demonstrates qualifying work experience (at PE time). The licensee ascribes to the Code of Ethics of the NSPE, and to the laws of the state of registration. Having presented these qualities the licensee is certified as an Intern Engineer, and the state involved has fulfilled its constitutionally defined responsibility to protect the public.

**fundamentals of engineering exams: FE Mechanical Exam Prep** , 2025-02-16 Have you ever wondered what it takes to pass one of the most challenging engineering exams on your first attempt? What if you could transform complex engineering principles into clear, practical knowledge that gives you the confidence to tackle any question? This comprehensive guide is designed for aspiring engineers who want to master every aspect of the FE Mechanical Exam. Covering a broad spectrum of topics, from fluid mechanics, thermodynamics, and heat transfer to mechanics of materials, machine design, and engineering ethics, this book breaks down each subject into clear, easy-to-understand explanations. Every concept is reinforced with real-world applications, ensuring you not only pass the exam but also build a strong foundation for your engineering career. Success on this exam isn't just about memorization—it's about strategic problem-solving and efficient time management. That's why this book goes beyond theory, offering proven study techniques, calculator shortcuts, and exam-day strategies that will help you work smarter, not harder. Whether you're struggling with complex equations or need guidance on how to effectively use the NCEES FE Reference Handbook, this guide provides step-by-step instructions to maximize your performance. What truly sets this book apart is the 200 carefully crafted practice questions that simulate the real exam experience. Each question is accompanied by a detailed explanation, helping you understand not just the correct answer, but also the reasoning behind it. These practice problems are designed to sharpen your analytical skills, reinforce key concepts, and eliminate guesswork—ultimately giving you the edge you need on exam day. Passing the FE Mechanical Exam is the first step toward becoming a licensed Professional Engineer (PE), and with the right preparation, you can achieve this milestone with confidence. Are you ready to take control of your future and prove that you have

what it takes to succeed? This book will guide you every step of the way.

**fundamentals of engineering exams:** FE Review Manual , 2000

**fundamentals of engineering exams:** The Best Test Preparation & Review Course FE/EIT Fundamentals of Engineering/engineering-in-training John Presti, George Wetzel, James Colaizzi, 1999 This test prep book includes two full-length practice tests with explanations for every answer. Detailed review chapters provide sample problems and solutions, as well as an overview of the test subjects. Designed to assess students' knowledge of engineering subjects ranging from chemistry to thermodynamics. A thorough preparation for students taking the FE: PM General exam.

**fundamentals of engineering exams:** FE Exam Masoud Olia, 2015-03-01 Passing the Fundamentals of Engineering Exam is the first step toward becoming a Registered, or Professional, Engineer. The P.E. designation is a prerequisite for work as a consulting engineer, as well as for engineering management positions in many industries. This book prepares applicants who are planning to take the exam in the field of "mechanical" or "other" disciplines. It includes two mini diagnostic tests (one for each discipline) plus two full-length practice examinations with questions answered and explained for both disciplines. Prospective test takers will also find valuable brush-up chapters covering all test topics: chemistry, computational tools, dynamics, kinematics and vibrations, electricity and magnetism, engineering economy, ethics and professional practices, fluid mechanics, instrumentation and data acquisition, materials science and structure, mathematics, measurements, instrumentation and controls, mechanical design and analysis, probability and statistics, mechanics of materials, safety, health, and environment, statics, and thermodynamics and heat mass and energy transfer. Additional practice questions with answer keys and explanations follow each chapter.

**fundamentals of engineering exams:** The Best Test Preparation & Review Course FE/EIT Fundamentals of Engineering/engineer-in-training Clyde Granger, Michael Riordan, James Colaizzi, 2000 This thorough study guide provides comprehensive review material and practice questions specific to chemical engineering. Two full-length practice tests are designed to prepare students for the FE: PM exam in chemical engineering. Detailed explanations to every question are included. Topics covered include heat transfer, chemical thermodynamics, and more.

**fundamentals of engineering exams:** Calculus Refresher for the Fundamentals of Engineering Exam Peter Schiavone, 1997 Calculus Refresher for the FE Exam was written in response to the requests of countless FE candidates. Many engineers report having more difficulty with problems involving calculus than with anything else on the FE exam. Almost everyone can benefit from a concise review of the subject! The author provides background theory, clear explanatory text, relevant examples, and FE-style practice problems (with solutions).

**fundamentals of engineering exams:** Fundamentals of Engineering (FE) Electrical and Computer - Practice Exam # 1 Wasim Asghar, 2016-06-29 'Practice makes perfect' is as applicable to passing FE Exam as it is to anything else. This book contains full length practice exam with complete solutions based on latest NCEES Computer Based Testing (CBT) specification for FE Electrical and Computer Exam. By means of using this book, you will be able to: \* Perform diagnostics of strengths and weaknesses \* Calibrate exam readiness \* Fine-tune' study plan The solutions are explained to assist students in developing familiarity with NCEES FE Reference Handbook which is the only allowed reference material during exam. Target audience of this book includes final year students, new graduates as well as seasoned professionals who have been out of school for a while. Please visit [www.studyforfe.com](http://www.studyforfe.com) to learn about the recently launched On-demand preparation course for Electrical and Computer Engineering portions of the latest NCEES FE Computer-based Testing specification and it will allow you the flexibility to learn anytime, from anywhere at your own pace by learning from 80 lectures and quizzes.

**fundamentals of engineering exams:** Fundamentals of Engineering Merle C. Potter, 1999

**fundamentals of engineering exams:** The Best Test Preparation for the Fundamentals of Engineering Examination Research and Education Association, 1991

**fundamentals of engineering exams:** Engineering Exam Prep: Your Guide to Ace the

*Fundamentals* Pasquale De Marco, 2025-04-13 Embark on an educational odyssey with Engineering Exam Prep: Your Guide to Ace the Fundamentals, the ultimate resource for conquering the Fundamentals of Engineering (FE) Exam and unlocking a world of possibilities. This comprehensive guidebook provides a thorough exploration of the core concepts that underpin modern engineering practices, catering to the unique needs of aspiring engineers. With its accessible writing style, engaging examples, and thought-provoking exercises, Engineering Exam Prep: Your Guide to Ace the Fundamentals transforms complex engineering concepts into easily digestible knowledge. Whether you're pursuing self-directed learning or seeking guidance from an experienced instructor, this book adapts to your learning style, ensuring a confident and progressive journey towards mastery. Delve into the intricacies of various engineering disciplines, gaining a profound understanding of the principles that govern the physical world around us. From the intricacies of statics and dynamics to the complexities of thermodynamics and fluid mechanics, Engineering Exam Prep: Your Guide to Ace the Fundamentals provides a comprehensive foundation for success in engineering endeavors. But Engineering Exam Prep: Your Guide to Ace the Fundamentals goes beyond mere memorization. It fosters a deep comprehension that empowers you to tackle real-world engineering challenges with confidence. Practice problems, interactive simulations, and detailed solutions help you master the material and identify areas where further refinement is needed. This book is not just a study guide; it's a transformative learning experience that ignites a passion for engineering excellence. Prepare for the FE Exam with confidence, knowing that Engineering Exam Prep: Your Guide to Ace the Fundamentals has meticulously aligned its content with the exam blueprint. Gain insights into exam structure, format, and scoring, and develop effective exam-taking strategies. With Engineering Exam Prep: Your Guide to Ace the Fundamentals as your trusted companion, you'll be equipped to face the FE Exam head-on and emerge victorious. Invest in your future with Engineering Exam Prep: Your Guide to Ace the Fundamentals and unlock your full potential as an engineer. Seize the opportunity to transform your passion for engineering into a lifelong pursuit of excellence. Let Engineering Exam Prep: Your Guide to Ace the Fundamentals be your guide on this exciting journey towards professional success and personal fulfillment. If you like this book, write a review on google books!

**fundamentals of engineering exams: Study Guide for Fundamentals of Engineering (FE) Electrical and Computer CBT Exam** Wasim Asghar, Wasim Asghar Pe, 2015-11-13 This study guide is centered on the idea of 'problem based learning'. It contains over 400 focused problems with detailed solutions based on the latest NCEES® FE Computer Based Testing specification for Electrical and Computer exam.

**fundamentals of engineering exams: Barron's FE** Masoud Olia, 2008-03-01 Passing the Fundamentals of Engineering Exam is the first step toward becoming a Registered, or Professional, Engineer. The P.E. designation is a prerequisite for work as a consulting engineer, as well as for engineering management positions in many industries. This book prepares applicants with a mini diagnostic test plus a full-length two-part practice examination with questions answered and explained. Prospective test takers will also find valuable brush-up chapters covering all test topics: biology, chemistry, computer programming, dynamics, electricity and magnetism, engineering economy, ethics and business practices, fluid mechanics, materials science and structure, mathematics, probability and statistics, mechanics of materials, statics, and thermodynamics and heat transfer. Additional practice questions with answer keys and explanations follow each chapter.

**fundamentals of engineering exams: EIT Industrial Review** Donovan Young, 2003-09-18 This guide is written for the afternoon FE/EIT Industrial Exam and reviews each topic with numerous example problems and complete step-by-step solutions. End-of-chapter problems with solutions and a complete sample exam with solutions are provided. Topics covered: Production Planning and Scheduling; Engineering Economics; Engineering Statistics; Statistical Quality Control; Manufacturing Processes; Mathematical Optimization and Modeling; Simulation; Facility Design and Location; Work Performance and Methods; Manufacturing Systems Design; Industrial Ergonomics; Industrial Cost Analysis; Material Handling System Design; Total Quality Management; Computer

Computations and Modeling; Queuing Theory and Modeling; Design of Industrial Experiments; Industrial Management; Information System Design; Productivity Measurement and Management. 101 problems with complete solutions; SI Units.

**fundamentals of engineering exams: Engineer Your Own Success** Anthony Fasano, 2015-01-07 Focusing on basic skills and tips for career enhancement, Engineer Your Own Success is a guide to improving efficiency and performance in any engineering field. It imparts valuable organization tips, communication advice, networking tactics, and practical assistance for preparing for the PE exam—every necessary skill for success. Authored by a highly renowned career coach, this book is a battle plan for climbing the rungs of any engineering ladder.

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**fundamentals of engineering exams: Macroeconomics II Essentials** ,

**fundamentals of engineering exams: Chemical Engineering** Dilip K. Das, Rajaram K. Prabhudesai, 2004 This is a review book for people planning to take the PE exam in Chemical Engineering. Prepared specifically for the exam used in all 50 states. It features 188 new PE problems with detailed step by step solutions. The book covers all topics on the exam, and includes easy to use tables, charts, and formulas. It is an ideal desk companion to DAS's Chemical Engineer License Review. It includes sixteen chapters and a short PE sample exam as well as complete references and an index. Chapters include the following topical areas: \* Material and energy balances \* Fluid dynamics \* Heat transfer \* Evaporation \* Distillation \* Absorption \* Leaching \* Liq-liq extraction \* Psychrometry and humidification \* Drying \* Filtration \* Thermodynamics \* Chemical kinetics \* Process control \* Mass transfer \* Plant safety The ideal study guide, this book brings all elements of professional problem solving together in one BIG BOOK. It is also an ideal desk reference, and it answers hundreds of the most frequently asked questions. It is the first truly practical, no-nonsense problem and solution book for the difficult PE exam. Full step-by-step solutions are additionally included.

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