

## Fe Exam Review Electrical And Computer Engineering

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.

\*Add the convenience of accessing this book anytime, anywhere on your personal device with the eTextbook version for only \$50 at [ppi2pass.com/etextbook-program](http://ppi2pass.com/etextbook-program).\* Michael R. Lindeburg PE's FE Mechanical Review Manual offers complete review for the FE Mechanical exam. FE Mechanical Review Manual features include: complete coverage of all exam knowledge areas equations, figures, and tables for version 9.4 of the NCEES FE Reference Handbook to familiarize you with the reference you'll have on exam day concise explanations supported by exam-like example problems, with step-by-step solutions to reinforce the theory and application of fundamental concepts a robust index with thousands of terms Topics Covered Computational Tools Dynamics, Kinematics, and Vibrations Electricity and Magnetism Engineering Economics Ethics and Professional Practice Fluid Mechanics Heat Transfer Material Properties and Processing Mathematics Materials Measurement, Instrumentation, and Controls Mechanical Design and

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Analysis Mechanics of Materials Probability and Statistics Statics Thermodynamics Important notice! It has been brought to our attention that counterfeit PPI books have been sold by independent sellers. Counterfeit books have missing material as well as incorrect and outdated content. While we are actively working with Amazon and other third party sellers to resolve this issue, we would like our customers to be aware that this issue exists and to be leary of books not purchased directly through PPI and PPI stores on Amazon. We cannot guarantee the authenticity of any book that is purchased from PPI. If you suspect a fraudulent seller, please email details to [marketing@ppi2pass.com](mailto:marketing@ppi2pass.com).

'Practice makes perfect' is as applicable to passing FE Exam as it is to anything else.'Fundamentals of Engineering (FE) Electrical and Computer - Practice Exam # 2' follows in the footsteps of 'Fundamentals of Engineering (FE) Electrical and Computer - Practice Exam # 1' and 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 planDetailed solutions are offered in order to explain underlying concepts and 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

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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.

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 (FE) Electrical and Computer - Practice Exam # 2

Barron's FE

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Environmental Engineering FE/EIT Preparation  
Sample Questions and Solutions

FE Other Disciplines Review Manual

Learn Ethical Hacking from Scratch

Fundamentals of Engineering Exam

***This highly effective study guide offers 100% coverage of every subject on the FE Civil exam This self-study resource contains all of the information you need to prepare for and pass the challenging FE Civil exam on the first try. The book features clear explanations of every topic on the exam as well as hands-on exam strategies and accurate practice problems with fully worked solutions. Organized to follow the order of the official exam syllabus, the book includes references to the official FE Reference Handbook along with tips on how to utilize that resource during the exam itself. Written by a leading civil engineering educator and exam coach, Fundamentals of Engineering FE Civil All-in-One Exam Guide helps you pass the exam with ease.***

***•Contains complete coverage of all objectives for the FE Civil exam•Follows the exact order of the official exam syllabus •Written by an experienced educator and researcher***

***FE Electrical and Computer Review ManualRapid Preparation for the Electrical and Computer Fundamentals of Engineering ExamProfessional Publications Incorporated***

***Many examinees find the electrical and computer engineering sections of the general FE exam to be most the most challenging. Now, you can get the***

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***extra review and practice you need to meet this challenge through a concise review of the electrical and computer topics covered on the general morning and afternoon FE exams. Supplement your electrical and computer engineering knowledge Over 100 multiple-choice problems, with solutions, just like the exam Over 150 solved example problems Over 225 key charts, graphs, tables, and figures Improve your confidence and problem-solving skills***

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***Since 1975 more than 2 million people preparing for their engineering, surveying, architecture, LEED®, interior design, and landscape architecture exams have entrusted their exam prep to PPI. For more information, visit us at [www.ppi2pass.com](http://www.ppi2pass.com).***

***Prepare to pass the computer-based FE Electrical and Computer exam with PPI's FE Electrical and Computer Review Manual.***

***FE Exam Review***

***Practise Over 400 Solved Problems Based on NCEES FE CBT Specification***

***Fundamentals of Engineering FE Civil All-in-One Exam Guide***

***Practice Over 500 Solved Problems with Detailed Solutions***

***How to Pass on Your First Try!***

***FE Civil Practice Exam***

***Real-world engineering problems are rarely, if ever, neatly divided into mechanical, electrical, chemical, civil, and other categories. Engineers from all disciplines eventually encounter computer and***

**electronic controls and instrumentation, which require at least a basic knowledge of electrical and other engineering specialties, as well as associated economics, and environmental, political, and social issues. Co-authored by Charles Gross—one of the most well-known and respected professors in the field of electric machines and power engineering—and his world-renowned colleague Thad Roppel, Fundamentals of Electrical Engineering provides an overview of the profession for engineering professionals and students whose specialization lies in areas other than electrical. For instance, civil engineers must contend with commercial electrical service and lighting design issues. Mechanical engineers have to deal with motors in HVAC applications, and chemical engineers are forced to handle problems involving process control. Simple and easy-to-use, yet more than sufficient in rigor and coverage of fundamental concepts, this resource teaches EE fundamentals but omits the typical analytical methods that hold little relevance for the audience. The authors provide many examples to illustrate concepts, as well as homework problems to help readers understand and apply presented material. In many cases, courses for non-electrical engineers, or non-EEs, have presented watered-down classical EE material, resulting in unpopular courses that students hate and senior faculty members understandingly avoid teaching. To remedy this situation—and create**

**more well-rounded practitioners—the authors focus on the true EE needs of non-EEs, as determined through their own teaching experience, as well as significant input from non-EE faculty. The book provides several important contemporary interdisciplinary examples to support this approach. The result is a full-color modern narrative that bridges the various EE and non-EE curricula and serves as a truly relevant course that students and faculty can both enjoy.**

**FE Exam: Other Disciplines "HOW TO PASS ON YOUR FIRST TRY" EITFastTrack.com, 2017 Exam Based, developed by practicing engineers for engineers, provides over 330 practical problems and step-by-step solutions to help you prepare for the FE Exam. A must have for working engineers who have been out of the classroom. It provides a complete system of specific test taking strategies, tips and hints, and is separated into 5 practice exams. It is the only FE Prep book in which the solutions and equations reference the current version of the FE Reference manual. The Book is designed specially to teach you how to pass the FE exam. This book does not waste time on theory or obscure problems- which will only confuse you more, but instead, only contains practical questions and ones that are most likely to appear on the actual exam based on the percentages which are published by NCEES. The Book is updated and based on the all new 2017 computer based testing and**

**includes all new "Other Disciplines (General) Topics:**

**1) Instrumentation and Data Acquisition 2) Safety, Health, and Environment 3) Gas Dynamics Also**

**included is the FE FastTrack(TM) Schedule -**

**developed for those short of time and who have been out of school a long time. Review this section to gain the most knowledge in the shortest amount of time for problems that are most likely to appear on the exam.**

**You have the option to pick which practice exams you want to work on, or decide which specific category of problem you want to review. Every question is**

**categorized by topic order which gives you the option to work similar type problems or in random order. If you are considering studying for the FE exam, this book will teach you how to pass on your first try.**

**Please join our community on our engineering forum on [www.EITFastTrack.com](http://www.EITFastTrack.com) and view the "Problem of the Day."**

**The Civil Engineering Reference Manual provides a comprehensive review of all five NCEES Civil PE exam content areas: construction, geotechnical, structural, transportation, and water resources and environmental engineering. Over 500 example problems not only demonstrate how to apply important concepts and equations, they also include step-by-step solutions that show you the most efficient methods to use when solving exam problems. With more than 100 appendices from references and exam-adopted design standards it's possible to solve many**

**exam problems using only the Civil Engineering Reference Manual. Features of the Civil Engineering Reference Manual More than 500 example problems Over 400 defined engineering terms References to over 3,300 equations, 760 figures, and 500 tables Index includes cross-topic concepts Example problems use both SI and U.S. Customary units Consistent nomenclature in each chapter Coverage of both theory and practical applications Easy-to-read explanations Easy-to-use index and full glossary Exam Topics Covered (used in main product description in Magento, and also in the separate "Topics Covered" field) Construction: Earthwork construction and layout; material quality control and production; quantity and cost estimation; temporary structures; scheduling Geotechnical: Earth and earth-retaining structures; shallow foundations; soil mechanics analysis; soils and materials properties; subsurface exploration and sampling Structural: Loadings; analysis; materials and their mechanics; member design Transportation: Geometric design Water Resources and Environmental: Closed conduit and open channel hydraulics; hydrology; water and wastewater treatment What's New in This Edition (used in main product description in Magento) Updated to current exam-adopted codes and standards for: AASHTO: AASHTO LRFD Bridge Design Specifications, 5th ed., 2010 ACI 318: Building Code Requirements for Structural Concrete, 2008 ACI 530:**

**Building Code Requirements and Specification for  
Masonry Structures, 2008 IBC: International Building  
Code, 2009 Modified concrete and masonry chapters  
to be consistent with NCEES'' revised structural  
specifications Removed all ACI 318 App. C theory,  
equations, and examples to be consistent with NCEES  
requirement of exclusive use of ACI 318 unified  
strength methods Provided new content, including  
Added new chapter on highway bridge rating 31  
chapters with revisions to existing materials 10  
chapters with new material 51 revised equations 13  
new equations 15 revised tables 2 new tables 19 revised  
examples 5 new examples 3 revised appendices 13  
revised figures 6 new figures Added 130 new index  
entries to new and existing material**

**'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.**

**FE Review Manual**

**FE Mechanical Practice Problems**

**FE Environmental Practice Exam**

**Fe Electrical and Computer Practice Problems**

**FE Mechanical Practice Exam**

**PPI FE Electrical and Computer Review Manual**

**eText - 1 Year**

FE Electrical and Computer Practice Problems contains over 450 multiple-choice problems that will reinforce your knowledge of the topics covered on the NCEES Electrical and Computer FE exam. These problems are designed to be solved in three minutes or less to demonstrate the format and difficulty of the exam, and to help you focus on individual engineering concepts.

The FE Civil Review offers complete coverage of the Civil FE exam knowledge areas and the relevant elements--equations, figures, and tables--from the NCEES FE Reference Handbook. With concise explanations of thousands of equations, and hundreds of figures and tables, the FE Civil Review contains everything you need to successfully prepare

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for the Civil FE exam.

Brightwood's Electrical Engineering Review Manual is designed for exam candidates preparing for the Electrical Engineering FE computer-based exam. Contents: - Basic Circuits - Analog Circuits & Network Analysis - Balanced Three-Phase Circuits - Basic AC Machines - Electronic Circuits & Solid State Devices - Control Systems Theory & Analysis - Digital Codes & Number Systems - Boolean Algebra & Digital Logic Operations - Digital Computer Hardware & Software Engineering - Electromagnetic Theory & Application - Communications Theory & Signal Analysis - Instrumentation & Measurement - Computer & Numerical Methods Features: - Crisp interior design that easily distinguishes key topics and examples for review - Solution cross-references point to the text chapter and section where the topic is discussed in more detail, allowing for easier follow-up - Overview of and tips for taking the FE exam Perfect for anyone (students or engineers) preparing for the FE exam; Endorsed by a former Director of Exams from the NCEES Describes exam structure, exam day strategies, exam scoring, and passing rate statistics; All problems in SI units in line with the new exam format Covers all the topics on the FE exam, carefully matching exam structure: Mathematics, Statics, Dynamics, Mechanics of Materials, Fluid Mechanics, Thermodynamics, Electrical Circuits, Materials Engineering, Chemistry,

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Computers, Ethics, and Engineering Economy; Each chapter is written by an expert in the field, contains a thorough review of the topic as covered on the test, and ends with practice problems and detailed solutions Includes a complete eight-hour sample exam with 120 morning (AM) questions, 60 general afternoon (PM) questions, and complete step-by-step solutions to all problems; 918 problems total: 60% text; 40% problems and solutions

FE Other Disciplines Practice Problems

Environmental discipline, sample questions & solutions

Practice Over 500 Solved Problems with Detailed Solutions Including Alternative-Item Types

For Civil, Mechanical, Electrical and Chemical DS Test

Rapid Preparation for the Electrical and Computer Fundamentals of Engineering Exam

***'Practice makes perfect' is as applicable to passing PE exam as it is to anything else. This study guide is centered on the idea of 'problem-based' learning. It contains over 500 focused practice problems with detailed solutions based on the latest NCEES(r) PE Electrical and Computer - Power Exam Specification and covers all exam topics including: Measurement and Instrumentation - Special Applications***

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*- Codes and Standards - Analysis -  
Devices and Power Electronic Circuits -  
Induction and Synchronous Machines -  
Electric Power Devices - Power System*

*Analysis - Protection*  
The content of this study guide is specially developed to assist students in building knowledge base for quantitative and qualitative exam-style questions. Students will find relevant formulas, code references and explanations as part of detailed solutions. Topic specific tips are also included at the beginning of each chapter. Target audience of this book includes recent graduates as well as seasoned professionals who have been out of school for some time.

*The standard for Environmental Engineering FE Review includes; 110 practice problems, with full solutions Set up to provide in depth analysis of likely FE exam problems This guide will get anyone ready for the FE Exam Topics covered*

*Air Quality Engineering  
Environmental Science & Management  
Solid & Hazardous Waste Engineering  
Water & Wastewater Engineering  
Hydrologic and Hydrogeological*

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## *Engineering*

*Learn how to hack systems like black hat hackers and secure them like security experts Key Features*

*Understand how computer systems work and their vulnerabilities Exploit weaknesses and hack into machines to test their security Learn how to secure systems from hackers Book Description*

*This book starts with the basics of ethical hacking, how to practice hacking safely and legally, and how to install and interact with Kali Linux and the Linux terminal. You will explore network hacking, where you will see how to test the security of wired and wireless networks. You'll also learn how to crack the password for any Wi-Fi network (whether it uses WEP, WPA, or WPA2) and spy on the connected devices. Moving on, you will discover how to gain access to remote computer systems using client-side and server-side attacks. You will also get the hang of post-exploitation techniques, including remotely controlling and interacting with the systems that you compromised. Towards the end of the book, you will be able to pick up web*

*application hacking techniques. You'll see how to discover, exploit, and prevent a number of website vulnerabilities, such as XSS and SQL injections. The attacks covered are practical techniques that work against real systems and are purely for educational purposes. At the end of each section, you will learn how to detect, prevent, and secure systems from these attacks. What you will learn*

*Understand ethical hacking and the different fields and types of hackers*

*Set up a penetration testing lab to practice safe and legal hacking*

*Explore Linux basics, commands, and how to interact with the terminal*

*Access password-protected networks and spy on connected clients*

*Use server and client-side attacks to hack and control remote computers*

*Control a hacked system remotely and use it to hack other systems*

*Discover, exploit, and prevent a number of web application vulnerabilities such as XSS and SQL injections*

*Who this book is for*

*Learning Ethical Hacking from Scratch is for anyone interested in learning how to hack and test the security of*

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*systems like professional hackers and security experts.*

*'Practice makes perfect' is as applicable to passing FE Exam as it is to anything else. This is the "Second Edition" of study guide and it is also centered on the idea of 'problem-based learning'. It contains over 500 focused problems with detailed solutions including Alternative-Item Types. It covers all sections of NCEES(r) FE Electrical and Computer exam specification including: Mathematics - Probability and Statistics - Ethics and Professional Practice - Engineering Economics - Properties of Electrical Materials - Engineering Sciences - Circuit Analysis - Linear Systems Signal Processing - Electronics - Power - Electromagnetics - Control Systems - Communications Computer Networks - Digital Systems - Computer Systems - Software Development. This study guide is specially designed to assist students in developing familiarity with NCEES(r) FE Reference Handbook which is the only allowed reference material during FE exam. Students will find relevant reference details and section*

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*specific tips at the beginning of each chapter. Target audience of this book includes final year college students, new graduates as well as seasoned professionals who have been out of school for some time.*

*For the Other Disciplines Fundamentals of Engineering Exam*

*Rapid Preparation for the Fundamentals of Engineering Exam*

*Fundamentals of Engineering (FE)*

*Electrical and Computer - Practice Exam # 1*

*FE Electrical and Computer Review Manual*

*Full Length Practice Exam Containing 110 Solved Problems Based on NCEES(r) FE CBT Specification Version 9. 4*

*FE/EIT Electrical Engineering Review*

Electrical Engineering FE/EIT Exam Prep, 3rd Edition prepares electrical engineers for the discipline-specific afternoon portion of the FE exam. Students will also want to purchase Fundamentals of Engineering: FE/ EIT Exam Preparation, 18th Edition for a complete review of the morning portion of the exam. Features Crisp interior design that easily distinguishes key topics and examples for

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review Complete sample exam with detailed solutions Solution cross-references point to the text chapter and section where the topic is discussed in more detail, allowing for easier follow-up Overview of and tips for taking the FE exam

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,

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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.

FE Civil Practice Problems contains over 460 multiple-choice problems that will reinforce your knowledge of the topics covered on the NCEES Civil FE exam. These problems are designed to be solved in three minutes or less to demonstrate the format and difficulty of the exam, and to help you focus on individual engineering concepts.

The Best-Selling Book for FE Exam Preparation The FE Review Manual is the most trusted FE exam preparation book. Gain a better understanding of key concepts and save prep time by reviewing FE exam topics and NCEES Handbook equations in a single location. These equations, along with NCEES Handbook figures and tables, are distinguished in green text for easy cross-referencing. Use the 13 diagnostic exams to identify where you need the most review and improve your problem-solving skills with over 1,200 practice problems. You can also look for PPI's new discipline-specific FE review manuals: FE Civil Review Manual FE

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Mechanical Review Manual FE Other Disciplines Review Manual Entrust your FE exam preparation to the FE Review Manual and get the power to pass the first time—guaranteed—or we'll refund your purchase price. FE exam coverage in 54 easy-to-read chapters 13 topic-specific diagnostic exams Green text to identify equations, figures, and tables found in the NCEES Handbook Over 1,200 practice problems with step-by-step solutions SI units throughout Sample study schedule Comprehensive, easy-to-use index Exam tips and advice Topics Covered Include Biology Chemistry Computers, Measurement, and Controls Conversion Factors Dynamics Electric Circuits Engineering Economics Ethics Fluid Mechanics Materials Science/Structure of Matter Mathematics Mechanics of Materials Statics Thermodynamics and Heat Transfer Transport Phenomena Units and Fundamental Constants

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Electrical Engineering FE/EIT Exam Prep  
Electrical Discipline-specific Review for  
the FE/EIT Exam

For the Mechanical Fundamentals of  
Engineering Exam  
Fundamentals of Engineering Examination  
Review 2001-2002 Edition

***The standard for Civil Engineering FE Review includes; 110 practice problems, with full solutions Set up to provide in depth analysis of likely FE exam problems This guide will get anyone ready for the Civil FE Exam Topics covered Statics & Dynamics Mechanics of Materials Geotechnical, Transportation & Environmental Engineering Fluid Mechanics, Hydraulics & Hydrologic Systems Structural Analysis & Design***

***\*Add the convenience of accessing this book anytime, anywhere on your personal device with the eTextbook version for only \$50 at***

***ppi2pass.com/etextbook-program.\* Michael R. Lindeburg PE's FE Chemical Review Manual offers complete review for the FE Chemical exam. Features of FE Chemical Review include: complete coverage of all exam knowledge areas equations, figures, and tables of the NCEES FE Reference Handbook to familiarize you with the reference you'll have on exam day concise explanations supported by exam-like example problems, with step-by-step solutions to reinforce the theory and application of fundamental concepts a robust index with thousands of terms to facilitate referencing Topics***

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***Covered Chemical Reaction Engineering Chemistry Computational Tools Engineering Sciences Ethics and Professional Practice Fluid Mechanics/Dynamics Heat Transfer Mass Transfer and Separation Material/Energy Balances Materials Science Mathematics Probability and Statistics Process Control Process Design and Economics Safety, Health, and Environment Thermodynamics Important notice! It has been brought to our attention that counterfeit PPI books have been circulating.***

***Counterfeit books have missing material as well as incorrect and outdated content. While we are actively working to resolve this issue, we would like our customers to be aware that this issue exists and to be leary of books not purchased directly through PPI. If you suspect a fraudulent seller, please email details to [marketing@ppi2pass.com](mailto:marketing@ppi2pass.com).***

***The Most Comprehensive Book for the Computer-Based FE Other Disciplines Exam The FE Other Disciplines Review Manual offers complete coverage of FE Other Disciplines exam knowledge areas and the relevant elements—equations, figures, and tables—from the NCEES FE Reference Handbook. With 14 mini-exams to assess your grasp of the exam's knowledge areas, and concise explanations of thousands of equations and hundreds of figures and tables, the Review Manual contains everything you need to succeed on the FE Other Disciplines exam. The Review Manual organizes the Handbook elements logically, grouping related concepts that the Handbook has in disparate locations. All***

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**Handbook elements are shown in blue for easy identification. Equations, and their associated variations and values, are clearly presented. Descriptions are succinct and supported by exam-like example problems, with step-by-step solutions to reinforce the theory and application of fundamental concepts. Thousands of terms are indexed to facilitate cross-referencing. To augment your review, pair your FE Other Disciplines Review Manual with PPI's FE Other Disciplines Practice Problems book. It contains more than 320 multiple choice problems designed to be solved in three minutes or less. This book follows the FE Other Disciplines Review Manual in chapter sequence, nomenclature, terminology, and methodology, so you can easily find clear explanations of topics where you need more support. Both products are part of PPI's integrated review program available at [feprep.com](http://feprep.com). Entrust your FE exam preparation to PPI and get the power to pass the first time—guaranteed.**

**Topics Covered** Chemistry Dynamics Electricity, Power, and Magnetism Engineering Economics Ethics and Professional Practice Fluid Mechanics and Dynamics of Gases and Liquids Heat, Mass, and Energy Transfer Instrumentation and Data Acquisition Materials Science Mathematics and Advanced Engineering Mathematics Probability and Statistics Safety, Health, and Environment Statics Strength of Materials Additional Products and Support at [feprep.com](http://feprep.com) FE Other Disciplines Review Manual web book: the online version of this book

# Online Library Fe Exam Review Electrical And Computer Engineering

***offers full-text searching, note-taking, and bookmarking capabilities, and integrated interactive diagnostic exam problems with automatic scoring***  
***FE Other Disciplines Practice Problems: problems covering critical exam topics, with step-by-step solutions; the online version provides automatic scoring and comparative reporting***  
***FE Other Disciplines Assessments: online problems to evaluate your familiarity with exam topics, with automatic scoring and comparative reporting***  
***FE Other Disciplines Flashcards: online flashcards for quick, on-the-go review***  
***FE Review Programs: online programs providing structure and personal feedback as you prepare for the FE exam***  
***Study Schedule: an online, customizable study schedule with targeted reading and homework assignments***  
***The best preparation for discipline-specific FE exams***  
***60 practice problems, with full solutions***  
***Two complete, simulated 4-hour discipline-specific exam***  
***Covers all the topics for that particular discipline***  
***Provides the in-depth review you need***  
***Topics covered***  
***Analog Electronic Circuits***  
***Communications Theory***  
***Computer & Numerical Methods***  
***Computer Hardware Engineering***  
***Computer Software Engineering***  
***Control Systems Theory & Applications***  
***Digital Systems***  
***Electromagnetic Theory & Applications***  
***Instrumentation***  
***Network Analysis***  
***Power Systems***  
***Signal Processing***  
***Solid-State Electronics & Devices***

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***Since 1975 more than 2 million people preparing for their engineering,***

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***surveying, architecture, LEED®, interior design, and landscape architecture exams have entrusted their exam prep to PPI. For more information, visit us at [www.ppi2pass.com](http://www.ppi2pass.com).***

***Occupational Outlook Handbook***

***Electrical and Computer Engineering***

***Civil Engineering FE Exam Preparation Sample Questions and Solutions***

***Fundamentals of Engineering***

***FE Civil Practice***

***Rapid Preparation for the General Fundamentals of Engineering Exam***

\*Add the convenience of accessing this book anytime, anywhere on your personal device with the eTextbook version for only \$30 at [ppi2pass.com/etextbook-program](http://ppi2pass.com/etextbook-program).\*

FE Other Disciplines Practice Problems offers comprehensive practice for the NCEES Other Disciplines FE exam. This book is part of a comprehensive learning management system designed to help you pass the FE exam the first time. FE Other Disciplines Practice Problems features include: over 320 three-minute, multiple-choice, exam-like practice problems to illustrate the type of problems you'll encounter during the exam clear, complete, and easy-to-follow solutions to deepen your understanding of all knowledge areas covered in the exam step-by-step calculations using equations and nomenclature from the NCEES FE Reference Handbook to familiarize you with the reference you'll have on exam day

Exam Topics Covered Chemistry

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Dynamics Electricity, Power, and Magnetism  
Engineering Economics Ethics and Professional  
Practice Fluid Mechanics and Dynamics of Gases and  
Liquids Heat, Mass, and Energy Transfer  
Instrumentation and Data Acquisition Materials  
Science Mathematics and Advanced Engineering  
Mathematics Statics Strength of Materials Probability  
and Statistics Safety, Health, and Environment

\*Add the convenience of accessing this book anytime, anywhere on your personal device with the eTextbook version for only \$30 at [ppi2pass.com/etextbook-program](http://ppi2pass.com/etextbook-program).\* FE Mechanical Practice Problems offers comprehensive practice for the NCEES FE Electrical and Computer exam. FE Mechanical Practice Problems features include: over 460 three-minute, multiple-choice, exam-like practice problems to illustrate the type of problems you'll encounter during the exam clear, complete, and easy-to-follow solutions to deepen your understanding of all knowledge areas covered in the exam step-by-step calculations using equations and nomenclature from the NCEES FE Reference Handbook to familiarize you with the reference you'll have on exam day Exam Topics Covered Computational Tools Dynamics, Kinematics, and Vibrations Electricity and Magnetism Engineering Economics Ethics and Professional Practice Fluid Mechanics Heat Transfer Material Properties and Processing Mathematics Materials Measurement, Instrumentation, and Controls Mechanical Design and

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Analysis Mechanics of Materials Probability and Statistics Statics Thermodynamics

The FE exam, the first in the two-part engineering licensing process, is taken typically by upper-level students or recent graduates in April or October. This eight-hour exam is closed-book except for a handout provided in the examination room. The exam is divided into morning and afternoon sessions. The morning exam, with 120 multiple-choice problems, is the same for everyone. In the afternoon, examinees must choose to take a discipline-specific (DS) or a general exam, each with 60 multiple-choice problems. The FE Review Manual and the Engineer-in-Training Reference Manual are the core books used to prepare for the morning and general afternoon exams. This is the most effective, up-to-date, all-in-one review your engineering customers can buy for the general Fundamentals of Engineering (FE) exam. Plus, the FE Review Manual carries a money-back guarantee: Pass the test or get your money back from the publisher. The book is an ideal refresher for students, recent graduates, or engineers who have limited time to study. The FE Review Manual features:

- Full review of topics on the general FE/EIT exam --
- More than 1,150 problems with solutions --
- A complete practice exam with solutions --
- Diagnostic exams by topic -- so engineers can test their readiness and understanding of each topic before they begin to study

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