

Intro To Genetic Analysis Griffiths 10th Edition

Introduction to Genetic Analysis *An Introduction to Genetic Analysis Solutions Manual for Introduction to Genetic Analysis Solutions Manual for An Introduction to Genetic Analysis* **Achieve for Introduction to Genetic Analysis 1-term Access** Quantum Computation and Quantum Information *Modern Genetic Analysis* Introduction to Electrodynamics **Evolutionary Analysis** Handbook of Latent Semantic Analysis Loose-leaf Version for Introduction to Genetic Analysis **Intelligence and Security Informatics** **Black Like Me** **Numerical Analysis** *Queer Cinema in Europe* *Remarkable Creatures* *Women's Ways of Knowing* **Head First Statistics** **Civilization** Disease Control Priorities, Third Edition (Volume 6) WebSci '18 **Genetics** Strengthening Forensic Science in the United States **Proceedings of the 10th International Conference on Fracture Fatigue and Wear** **Cellular and Molecular Immunology** How Tobacco Smoke Causes Disease Quantum Physics **Cellular and Molecular Immunology E-Book** **Dietary Reference Intakes for Vitamin C, Vitamin E, Selenium, and Carotenoids** Image Analysis for the Biological Sciences Introduction to Sociology 2e *Quantum Processes Systems, and Information* **Evolution** **Elements of Physical Chemistry** **Vocabulary Development** *Exploring Personal Genomics* *Factfulness* **Caffeine in Food and Dietary Supplements: Examining Safety** Numerical Methods Focus on English 10 Student Book

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Achieve for Introduction to Genetic Analysis 1-term Access Aug 28 2022

Introduction to Genetic Analysis Jan 01 2023 Since its inception, Introduction to Genetic Analysis has been known for its prominent authorship—leading scientists in their field who are great educators. This market best-seller exposes students to the landmark experiments in genetics, teaching students how to analyze experimental data and how to draw their own conclusions based on scientific thinking while teaching students how to think like geneticists.

Civilization Jun 13 2021 DAILY TELEGRAPH BOOKS OF THE YEAR If in the year 1411 you had been able to circumnavigate the globe, you would have been most impressed by the dazzling civilizations of the Orient. The Forbidden City was under construction in Ming Beijing; in the Near East, the Ottomans were closing in on Constantinople. By contrast, England would have struck you as a miserable backwater ravaged by plague, bad sanitation and incessant war. The other

quarrelsome kingdoms of Western Europe - Aragon, Castile, France, Portugal and Scotland - would have seemed little better. As for fifteenth-century North America, it was an anarchic wilderness compared with the realms of the Aztecs and Incas. The idea that the West would come to dominate the Rest for most of the next half millennium would have struck you as wildly fanciful. And yet it happened. What was it about the civilization of Western Europe that allowed it to trump the outwardly superior empires of the Orient? The answer, Niall Ferguson argues, was that the West developed six "killer applications" that the Rest lacked: competition, science, democracy, medicine, consumerism and the work ethic. The key question today is whether or not the West has lost its monopoly on these six things. If so, Ferguson warns, we may be living through the end of Western ascendancy. Civilization takes readers on their own extraordinary journey around the world - from the Grand Canal at Nanjing to the Topkapi Palace in Istanbul; from Machu Picchu in the Andes to Shark Island, Namibia; from the proud towers of Prague to the secret churches of Wenzhou. It is the story of sailboats, missiles, land deeds, vaccines, blue jeans and Chinese Bibles. It is the defining narrative of modern world history.

Intelligence and Security Informatics Jan 21 2022 This book constitutes the refereed proceedings of the IEEE International Conference on Intelligence and Security Informatics, ISI 2006. Gathers 39 revised full papers, 30 revised short papers, and 56 extended poster abstracts, organized in topical sections including intelligence analysis and knowledge discovery; access control, privacy, and cyber trust; surveillance and emergency response; infrastructure protection and cyber security; terrorism informatics and countermeasures; surveillance, bioterrorism, and emergency response.

Quantum Physics Oct 06 2020 This innovative modern physics textbook is intended as a first

introduction to quantum mechanics and its applications. Townsend's new text shuns the historical ordering that characterizes other so-called modern physics textbooks and applies a truly modern approach to this subject, starting instead with contemporary single-photon and single-atom interference experiments. The text progresses naturally from a thorough introduction to wave mechanics through applications of quantum mechanics to solid-state, nuclear, and particle physics, thereby including most of the topics normally presented in a modern physics course.

Handbook of Latent Semantic Analysis Mar 23 2022 The Handbook of Latent Semantic Analysis is the authoritative reference for the theory behind Latent Semantic Analysis (LSA), a burgeoning mathematical method used to analyze how words make meaning, with the desired outcome to program machines to understand human commands via natural language rather than strict programming protocols. The first book of its kind to deliver such a comprehensive analysis, this volume explores every area of the method and combines theoretical implications as well as practical matters of LSA. Readers are introduced to a powerful new way of understanding language phenomena, as well as innovative ways to perform tasks that depend on language or other complex systems. The Handbook clarifies misunderstandings and pre-formed objections to LSA, and provides examples of exciting new educational technologies made possible by LSA and similar techniques. It raises issues in philosophy, artificial intelligence, and linguistics, while describing how LSA has underwritten a range of educational technologies and information systems. Alternate approaches to language understanding are addressed and compared to LSA. This work is essential reading for anyone—newcomers to this area and experts alike—interested in how human language works or interested in computational analysis and uses of text. Educational technologists, cognitive scientists, philosophers, and information technologists in particular will consider this volume especially useful.

Focus on English 10 Student Book Aug 23 2019

Proceedings of the 10th International Conference on Fracture Fatigue and Wear Jan 09

2021 This book gathers a selection of peer-reviewed papers presented at the 10th International Conference on Fracture Fatigue and Wear (FFW 2022), held in the city of Ghent, Belgium, on August 2-3, 2022. The contributions, prepared by international scientists and engineers, cover the latest advances in and innovative applications of fracture mechanics, fatigue of materials, tribology, and wear of materials. In addition, they discuss industrial applications and cover theoretical and analytical methods, numerical simulations, and experimental techniques. The book is intended for academics, including graduate students and researchers, as well as industrial practitioners working in the areas of fracture fatigue and wear.

Solutions Manual for Introduction to Genetic Analysis Oct 30 2022

Cellular and Molecular Immunology E-Book Sep 04 2020 Cellular and Molecular Immunology

takes a comprehensive yet straightforward approach to the latest developments in this active and fast-changing field. Drs. Abul K. Abbas, Andrew H. Lichtman, and Shiv Pillai present sweeping updates in this new edition to cover antigen receptors and signal transduction in immune cells, mucosal and skin immunity, cytokines, leukocyte-endothelial interaction, and more. This reference is the up-to-date and readable textbook you need to master the complex subject of immunology.

Recognize the clinical relevance of the immunology through discussions of the implications of immunologic science for the management of human disease. Grasp the details of experimental observations that form the basis for the science of immunology at the molecular, cellular, and whole-organism levels and draw the appropriate conclusions. Stay abreast of the latest advances in immunology and molecular biology through extensive updates that cover cytokines, innate immunity,

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leukocyte-endothelial interactions, signaling, costimulation, and more. Visualize immunologic processes more effectively through a completely revised art program with redrawn figures, a brighter color palette, and more 3-dimensional art. Find information more quickly and easily through a reorganized chapter structure and a more logical flow of material.

Introduction to Electrodynamics May 25 2022 This is a re-issued and affordable printing of the widely used undergraduate electrodynamics textbook.

Women's Ways of Knowing Aug 16 2021 "Despite the progress of the women's movement, many women still feel silenced in their families and schools. This moving and insightful bestseller, based on in-depth interviews with 135 women, explains"

Remarkable Creatures Sep 16 2021 National Book Award Finalist: A biologist's "thoroughly enjoyable" account of the expeditions that unearthed the history of life on our planet (Publishers Weekly). Not so long ago, most of our world was an unexplored wilderness. Our sense of its age was vague and vastly off the mark, and much of the knowledge of our own species' history was a set of fantastic myths and fairy tales. But scientists were about to embark on an amazing new era of understanding. From the New York Times–bestselling author of *The Big Picture*, this book leads us on a rousing voyage that recounts the most important discoveries in two centuries of natural history: from Darwin's trip around the world to Charles Walcott's discovery of pre-Cambrian life in the Grand Canyon; from Louis and Mary Leakey's investigation of our deepest past in East Africa to the trailblazers in modern laboratories who have located a time clock in our DNA. Filled with the same sense of adventure that spurred on these extraordinary men and women, *Remarkable Creatures* is a "stirring introduction to the wonder of evolutionary biology" (Kirkus Reviews). "Charming and enlightening." —San Francisco Chronicle "As fast-paced as a detective story." —Nature

Numerical Analysis Nov 18 2021 This well-respected text gives an introduction to the theory and application of modern numerical approximation techniques for students taking a one- or two-semester course in numerical analysis. With an accessible treatment that only requires a calculus prerequisite, Burden and Faires explain how, why, and when approximation techniques can be expected to work, and why, in some situations, they fail. A wealth of examples and exercises develop students' intuition, and demonstrate the subject's practical applications to important everyday problems in math, computing, engineering, and physical science disciplines. The first book of its kind built from the ground up to serve a diverse undergraduate audience, three decades later Burden and Faires remains the definitive introduction to a vital and practical subject. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

WebSci '18 Apr 11 2021 It is our great pleasure to welcome you to the 10th ACM Conference on Web Science, Amsterdam, 27-30 May 2018. This year's edition of the WebSci conference (WebSci'18) celebrates the ten year anniversary of the unique conference series where a multitude of disciplines converge in a creative and critical dialogue with the aim of understanding the Web and its impacts. The WebSci conference brings together researchers from multiple disciplines, like computer science, sociology, economics, information science, anthropology and psychology. Web Science is the emergent study of the people and technologies, applications, processes and practices that shape and are shaped by the World Wide Web. Web Science aims to draw together theories, methods and findings from across academic disciplines, and to collaborate with industry, business, government and civil society, to develop our knowledge and understanding of the Web: the largest socio-technical network in human history. This year we were very pleased to receive 113

submissions for the regular research track. Given the high quality of submissions, it has been a hard job to decide which of the contributions to select for the conference. We are grateful for the support of the Program Committee which consisted of 10 senior members and 35 regular members. All PC members worked hard, based on which we could select an interesting, varied, exciting program comprising 30 long and 15 short papers.

Solutions Manual for An Introduction to Genetic Analysis Sep 28 2022 Since its inception, Introduction to Genetic Analysis (IGA) has been known for its prominent authorship including leading scientists in their field who are great educators. This market best-seller exposes students to the landmark experiments in genetics, teaching students how to analyze experimental data and how to draw their own conclusions based on scientific thinking while teaching students how to think like geneticists. Visit the preview site at www.whfreeman.com/IGA10epreview

Evolutionary Analysis Apr 23 2022

An Introduction to Genetic Analysis Nov 30 2022 With each edition, An Introduction to Genetic Analysis (IGA) evolves discovery by discovery with the world of genetic research, taking students from the foundations of Mendelian genetics to the latest findings and applications by focusing on the landmark experiments that define the field. With its author team of prominent scientists who are also highly accomplished educators, IGA again combines exceptional currency, expansive updating of its acclaimed problem sets, and a variety of new ways to learn genetics. Foremost is this edition's dedicated version of W.H. Freeman's breakthrough online course space, LaunchPad, which offers a number of new and enhanced interactive tools that advance IGA's core mission: to show students how to analyze experimental data and draw their own conclusions based on scientific thinking while teaching students how to think like geneticists.

Black Like Me Dec 20 2021 This American classic has been corrected from the original manuscripts and indexed, featuring historic photographs and an extensive biographical afterword.

Elements of Physical Chemistry Feb 28 2020 This revision of the introductory textbook of physical chemistry has been designed to broaden its appeal, particularly to students with an interest in biological applications.

Modern Genetic Analysis Jun 25 2022

Factfulness Nov 26 2019 INSTANT NEW YORK TIMES BESTSELLER “One of the most important books I’ve ever read—an indispensable guide to thinking clearly about the world.” - Bill Gates “Hans Rosling tells the story of ‘the secret silent miracle of human progress’ as only he can. But Factfulness does much more than that. It also explains why progress is so often secret and silent and teaches readers how to see it clearly.” —Melinda Gates “Factfulness by Hans Rosling, an outstanding international public health expert, is a hopeful book about the potential for human progress when we work off facts rather than our inherent biases.” - Former U.S. President Barack Obama Factfulness: The stress-reducing habit of only carrying opinions for which you have strong supporting facts. When asked simple questions about global trends—what percentage of the world’s population live in poverty; why the world’s population is increasing; how many girls finish school—we systematically get the answers wrong. So wrong that a chimpanzee choosing answers at random will consistently outguess teachers, journalists, Nobel laureates, and investment bankers. In Factfulness, Professor of International Health and global TED phenomenon Hans Rosling, together with his two long-time collaborators, Anna and Ola, offers a radical new explanation of why this happens. They reveal the ten instincts that distort our perspective—from our tendency to divide the world into two camps (usually some version of us and them) to the way we consume media (where

fear rules) to how we perceive progress (believing that most things are getting worse). Our problem is that we don't know what we don't know, and even our guesses are informed by unconscious and predictable biases. It turns out that the world, for all its imperfections, is in a much better state than we might think. That doesn't mean there aren't real concerns. But when we worry about everything all the time instead of embracing a worldview based on facts, we can lose our ability to focus on the things that threaten us most. Inspiring and revelatory, filled with lively anecdotes and moving stories, *Factfulness* is an urgent and essential book that will change the way you see the world and empower you to respond to the crises and opportunities of the future. --- "This book is my last battle in my life-long mission to fight devastating ignorance...Previously I armed myself with huge data sets, eye-opening software, an energetic learning style and a Swedish bayonet for sword-swallowing. It wasn't enough. But I hope this book will be." Hans Rosling, February 2017.

Numerical Methods Sep 24 2019 This text emphasizes the intelligent application of approximation techniques to the type of problems that commonly occur in engineering and the physical sciences. The authors provide a sophisticated introduction to various appropriate approximation techniques; they show students why the methods work, what type of errors to expect, and when an application might lead to difficulties; and they provide information about the availability of high-quality software for numerical approximation routines. The techniques covered in this text are essentially the same as those covered in the Sixth Edition of these authors' top-selling *Numerical Analysis* text, but the emphasis is much different. In *Numerical Methods*, Second Edition, full mathematical justifications are provided only if they are concise and add to the understanding of the methods. The emphasis is placed on describing each technique from an implementation standpoint, and on convincing the student that the method is reasonable both mathematically and computationally.

Introduction to Sociology 2e Jun 01 2020 Introduction to Sociology 2e adheres to the scope and sequence of a typical, one-semester introductory sociology course. It offers comprehensive coverage of core concepts, foundational scholars, and emerging theories, which are supported by a wealth of engaging learning materials. The textbook presents detailed section reviews with rich questions, discussions that help students apply their knowledge, and features that draw learners into the discipline in meaningful ways. The second edition retains the book's conceptual organization, aligning to most courses, and has been significantly updated to reflect the latest research and provide examples most relevant to today's students. In order to help instructors transition to the revised version, the 2e changes are described within the preface. The images in this textbook are grayscale. Authors include: Heather Griffiths, Nathan Keirns, Eric Strayer, Susan Cody-Rydzewski, Gail Scaramuzzo, Tommy Sadler, Sally Vyain, Jeff Bry, Faye Jones

Caffeine in Food and Dietary Supplements: Examining Safety Oct 25 2019 "Caffeine in Food and Dietary Supplements" is the summary of a workshop convened by the Institute of Medicine in August 2013 to review the available science on safe levels of caffeine consumption in foods, beverages, and dietary supplements and to identify data gaps. Scientists with expertise in food safety, nutrition, pharmacology, psychology, toxicology, and related disciplines; medical professionals with pediatric and adult patient experience in cardiology, neurology, and psychiatry; public health professionals; food industry representatives; regulatory experts; and consumer advocates discussed the safety of caffeine in food and dietary supplements, including, but not limited to, caffeinated beverage products, and identified data gaps. Caffeine, a central nervous stimulant, is arguably the most frequently ingested pharmacologically active substance in the world. Occurring naturally in more than 60 plants, including coffee beans, tea leaves, cola nuts and cocoa pods,

caffeine has been part of innumerable cultures for centuries. But the caffeine-in-food landscape is changing. There are an array of new caffeine-containing energy products, from waffles to sunflower seeds, jelly beans to syrup, even bottled water, entering the marketplace. Years of scientific research have shown that moderate consumption by healthy adults of products containing naturally-occurring caffeine is not associated with adverse health effects. The changing caffeine landscape raises concerns about safety and whether any of these new products might be targeting populations not normally associated with caffeine consumption, namely children and adolescents, and whether caffeine poses a greater health risk to those populations than it does for healthy adults. This report delineates vulnerable populations who may be at risk from caffeine exposure; describes caffeine exposure and risk of cardiovascular and other health effects on vulnerable populations, including additive effects with other ingredients and effects related to pre-existing conditions; explores safe caffeine exposure levels for general and vulnerable populations; and identifies data gaps on caffeine stimulant effects.

How Tobacco Smoke Causes Disease Nov 06 2020 This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing

the potential risks of tobacco products.

Head First Statistics Jul 15 2021 A comprehensive introduction to statistics that teaches the fundamentals with real-life scenarios, and covers histograms, quartiles, probability, Bayes' theorem, predictions, approximations, random samples, and related topics.

Cellular and Molecular Immunology Dec 08 2020 The 5th Edition of this comprehensive title continues the tradition of delivering an accessible, engaging, and current introduction to this essential subject. The authors describe the principles of basic and applied immunology in a concise, straightforward manner, while incorporating the most up-to-date information. Over 400 illustrations help readers quickly and easily grasp key concepts. The entire text has been revised and includes new information about the organization of lymphoid organs and the mechanisms of innate immunity. (Midwest).

Evolution Mar 30 2020 Evolution presents foundational concepts through a contemporary framework of population genetics and phylogenetics that is enriched by current research and stunning art. In every chapter, new critical thinking questions and expanded end-of-chapter problems emphasizing data interpretation reinforce the Second Edition's focus on helping students think like evolutionary biologists.

Quantum Processes Systems, and Information May 01 2020 A new and exciting approach to the basics of quantum theory, this undergraduate textbook contains extensive discussions of conceptual puzzles and over 800 exercises and problems. Beginning with three elementary 'qubit' systems, the book develops the formalism of quantum theory, addresses questions of measurement and distinguishability, and explores the dynamics of quantum systems. In addition to the standard topics covered in other textbooks, it also covers communication and measurement, quantum entanglement,

entropy and thermodynamics, and quantum information processing. This textbook gives a broad view of quantum theory by emphasizing dynamical evolution, and exploring conceptual and foundational issues. It focuses on contemporary topics, including measurement, time evolution, open systems, quantum entanglement, and the role of information.

Queer Cinema in Europe Oct 18 2021 A collection of insightful essays that explore, for the first time, the questions and conflicts of gender, sexuality and spectatorship in contemporary European cinema. Contributors discuss the shifting deployments of lesbian, gay and queer representation to re-define and deconstruct notions of national identity and culture from within a unique and diverse European context. A number of films, directors and genres are explored for their relevance to new understandings of queer desire in the new millennium.

Image Analysis for the Biological Sciences Jul 03 2020 Covering the basics of quantitative image analysis - the extraction of information from data in the form of pictures - this study places special emphasis on methods relevant to environmental scientists. Practical examples from various fields are introduced to demonstrate applications.

Genetics Mar 11 2021

Strengthening Forensic Science in the United States Feb 07 2021 Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a

new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

Exploring Personal Genomics Dec 28 2019 This book provides a novel inquiry-based approach to understanding and interpreting the practical, medical, and societal aspects of personal genomic information. It opens with an introduction to genomics and the issues surrounding the use of genomic data, and then discusses the potential applications of this data using real examples and data sets.

Loose-leaf Version for Introduction to Genetic Analysis Feb 19 2022

Disease Control Priorities, Third Edition (Volume 6) May 13 2021 Infectious diseases are the leading cause of death globally, particularly among children and young adults. The spread of new pathogens and the threat of antimicrobial resistance pose particular challenges in combating these diseases. Major Infectious Diseases identifies feasible, cost-effective packages of interventions and strategies across delivery platforms to prevent and treat HIV/AIDS, other sexually transmitted infections, tuberculosis, malaria, adult febrile illness, viral hepatitis, and neglected tropical diseases. The

volume emphasizes the need to effectively address emerging antimicrobial resistance, strengthen health systems, and increase access to care. The attainable goals are to reduce incidence, develop innovative approaches, and optimize existing tools in resource-constrained settings.

Vocabulary Development Jan 27 2020 Knowledge of word meanings is critical to success in reading. A reader cannot fully understand a text in which the meaning to a significant number of words is unknown. Vocabulary knowledge has long been correlated with proficiency in reading. Yet, national surveys of student vocabulary knowledge have demonstrated that student growth in vocabulary has been stagnant at best. This volume offers new insights into vocabulary knowledge and vocabulary teaching. Articles range from a presentation of theories of vocabulary that guide instruction to innovative methods and approaches for teaching vocabulary. Special emphasis is placed on teaching academic and disciplinary vocabulary that is critical to success in content area learning. Our hope for this volume is that it may spark a renewed interest in research into vocabulary and vocabulary instruction and move toward making vocabulary instruction an even more integral part of all literacy and disciplinary instruction.

Dietary Reference Intakes for Vitamin C, Vitamin E, Selenium, and Carotenoids Aug 04 2020 This volume is the newest release in the authoritative series of quantitative estimates of nutrient intakes to be used for planning and assessing diets for healthy people. Dietary Reference Intakes (DRIs) is the newest framework for an expanded approach developed by U.S. and Canadian scientists. This book discusses in detail the role of vitamin C, vitamin E, selenium, and the carotenoids in human physiology and health. For each nutrient the committee presents what is known about how it functions in the human body, which factors may affect how it works, and how the nutrient may be related to chronic disease. Dietary Reference Intakes provides reference

intakes, such as Recommended Dietary Allowances (RDAs), for use in planning nutritionally adequate diets for different groups based on age and gender, along with a new reference intake, the Tolerable Upper Intake Level (UL), designed to assist an individual in knowing how much is "too much" of a nutrient.

Quantum Computation and Quantum Information Jul 27 2022 One of the most cited books in physics of all time, Quantum Computation and Quantum Information remains the best textbook in this exciting field of science. This 10th anniversary edition includes an introduction from the authors setting the work in context. This comprehensive textbook describes such remarkable effects as fast quantum algorithms, quantum teleportation, quantum cryptography and quantum error-correction. Quantum mechanics and computer science are introduced before moving on to describe what a quantum computer is, how it can be used to solve problems faster than 'classical' computers and its real-world implementation. It concludes with an in-depth treatment of quantum information. Containing a wealth of figures and exercises, this well-known textbook is ideal for courses on the subject, and will interest beginning graduate students and researchers in physics, computer science, mathematics, and electrical engineering.