



# Exam List

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*\* Updated 2008!*

## Math

- Fundamentals of College Algebra \*
- Principles of Statistics \*

## Social Sciences

- Substance Abuse \*
- Criminal Justice \*
- Art of the Western World
- Western Europe since 1945
- Introduction to the Modern Middle East
- Human/Cultural Geography
- Rise and Fall of the Soviet Union
- A History of the Vietnam War
- The Civil War and Reconstruction
- Foundations of Education
- Life-Span Developmental Psychology
- General Anthropology
- Introduction to Law Enforcement
- Fundamentals of Counseling

## Humanities

- Ethics in America \*
- Introduction to World Religions \*
- Principles of Public Speaking

## Business

- Introduction to Computing \*
- Personal Finance \*
- Management Information Systems \*
- Principles of Finance
- Principles of Financial Accounting
- Human Resource Management
- Organizational Behavior
- Principles of Supervision
- Business Law II
- Introduction to Business
- Money and Banking
- Business Mathematics

## Physical Science

- Here's to Your Health \*
- Astronomy
- Environment and Humanity
- Principles of Physical Science I
- Physical Geology

## Technology

- Technical Writing

## Math

### **Updated 2008! Fundamentals of College Algebra**

Solving quadratic inequalities, operations of functions, rational functions and exponential & logarithmic functions.

### **Updated 2008! Principles of Statistics**

Principles and concepts underlying higher-order statistics, continuous & discrete distributions, use of predictive statistics using the linear model and confidence intervals.

## Social Sciences

**Updated 2008! Substance Abuse:** Formerly "Drug and Alcohol Abuse." Substances such as anabolic steroids, over the counter medications, dependency/addiction, societal effects, screening, diagnosis, neurological factors.

**Updated 2008! Criminal Justice:** Criminal Behavior, Police, the Court System, Sentencing Issues, Adult Prison Systems and Juvenile Correction Alternatives.

**Art of the Western World:** Deals with the history of art during various periods, e.g. Renaissance, Baroque, realism.

**Western Europe since 1945:** Knowledge of basic facts related to the aftermath of the World War II and rebuilding of Europe, national political systems, issues and policies in Western European societies.

**Introduction to the Modern Middle East:** 19th century European impact, twentieth-century Western influences, World Wars I & II, new nations, social and cultural changes (1900-1960) and the Middle East through the 20th century.

**Human/Cultural Geography:** Earth and basic facts (maps, physiography, atmosphere, soils and vegetation, water), culture and environment, settlement patterns, political geography and regional geography.

**Rise and Fall of the Soviet Union:** Russia under the old regime, the Revolutionary Period, New Economic Policy, Pre-war Stalinism, Second World War, Post-war Stalinism, Krushchev Years, Brezhnev Era, and reform and collapse.

**A History of the Vietnam War:** The history of the roots of the Vietnam War.

**The Civil War and Reconstruction:** The Civil War from pre-secession (1861) through Reconstruction.

**Foundations of Education:** Contemporary issues in education, past and current influences on education (philosophies, democratic ideals, social/economic influences), and the interrelationships between contemporary issues and influences.

**Life-Span Developmental Psychology:** Ethical issues, biological development, perception, learning & memory, cognition & language; social, emotional, and personality development, social behaviors, family life cycle, adjustment to life stresses, bereavement and loss.

**General Anthropology:** Theoretical perspectives, physical anthropology, archaeology, social organization, economic organization, political organization, religion, and modernization & application of anthropology.

**Introduction to Law Enforcement:** Overview of the U.S. criminal justice system, police systems in the U.S., police organization, management & issues; and U.S. law and precedents.

**Fundamentals of Counseling:** Historical development, counselor roles & functions, the counseling relationship and theoretical approaches to counseling.

## Humanities

**Updated 2008! Ethics in America:** Ethical traditions & analysis in various relationships, embryonic stem-cell research, euthanasia, affirmative action and capital punishment.

**Updated 2008! Introduction to World Religions:** Dimensions & approaches to religion, primal religions, Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, Islam, Shintoism, Hellenic & Roman Traditions, Scientology.

**Principles of Public Speaking:** Principles of Public Speaking, audience analysis, purposes of speeches, structure/organization, content/supporting materials, research, language & style, delivery, communication apprehension, listening & feedback, criticism & evaluation. Record an impromptu persuasive speech that will be scored.

## Business

**Updated 2008! Introduction to Computing:** Hardware, software licensing & development tools, development life cycles, data management, connectivity, privacy concerns, intellectual property, telecommunications law, network etiquette, artificial intelligence and globalization.

**Updated 2008! Personal Finance:** Credit & debt, major purchases, taxes, insurance, investments and others.

**Updated 2008! Management Information Systems:** Telecommunications, network security, systems analysis and design, business decision making, knowledge management, data warehousing and data mining.

**Principles of Finance:** Financial statements & planning, time value of money, working capital management, valuation and characteristics, capital budgeting, cost of capital, risk and return.

**Principles of Financial Accounting:** Accounting cycle and classification, transaction analysis, accruals and deferrals, cash & internal control, current accounts, long- & short-term liabilities, capital stock and financial statements.

**Human Resource Management:** Training & development, performance appraisals, compensation issues, security issues, personnel legislation & regulation, labor relations and current issues.

**Organizational Behavior:** Scientific approaches, research designs, data collection methods, individual processes & characteristics, interpersonal & group processes, organizational processes, change & development processes.

**Principles of Supervision:** Management functions, planning, organization & staffing, directing at the supervisory level, legal issues, stress management, union environments, quality concerns.

**Business Law II:** Sales of goods, debtor & creditor relations, business organizations, property, commercial paper.

**Introduction to Business:** Economic issues, international business, government & business, business ownership, small business, entrepreneurship, franchise, management process, HR management, production & operations, marketing management, financial management, risk management & insurance, management and information systems.

**Money and Banking:** Role & kinds of money, commercial banks & other financial intermediaries, central banking, Federal Reserve System, money & macroeconomics, U.S. monetary policy, the international monetary system.

**Business Mathematics:** Integers, fractions, decimals, round numbers, ratios, averages, business graphs, simple interest, compound interest, annuities, net pay & deductions, discounts and markups, depreciation & net worth, corporate securities, distribution of ownership, stock and asset turnover.

## Physical Science

**Updated 2008! Here's to Your Health:** Human development and relationships, fitness & nutrition, disease & prevention, consumer awareness, psychological disorders & addictive behaviors, intentional injuries & violence.

**Astronomy:** Celestial mechanics, celestial systems, astronomical instruments, the solar system, nature & evolution, the galaxy, the universe, determining astronomical distances, and life in the universe.

**Environment and Humanity:** Ecological concepts (ecosystems, global ecology, food chains and webs), environmental impacts, environmental management & conservation, and political processes & the future.

**Principles of Physical Science I:** Newton's Laws of Motion, energy & momentum, thermodynamics, wave and optics, electricity and magnetism, chemistry, properties of matter, atomic theory & structure, chemical reactions.

**Physical Geology:** Igneous, sedimentary, and metamorphic rocks, weathering, groundwater, glaciers, oceanic systems, deserts, winds, hydrologic cycle, internal Earth processes, mineral & energy resources, environmental geology.

## Technology

**Technical Writing:** Theory & practice of technical writing, purpose, content, organizational patterns of common types of technical documents, elements of various technical reports, technical editing.