

INTELLECTUAL STUDIES	
Science	
General Biology	Cell biology, heredity, evolution, morphology, systematics, ecology, behavior, and the major concepts of structure, function and pathology of organ systems.
Molecular Biology	Cell structure, function and physiology, macromolecular structure, process of growth and reproduction through mitosis, meiosis, development and life cycles and metabolism. Microbiology. Structure, function and transmission of genes.
General Chemistry	Introduction to fields of physical, organic, inorganic & biological chemistry. Topics include atomic structure, chemical bonding, common types of reactions, stoichiometry, thermochemistry and the properties of gases, liquids, and solids.
Physical & Organic Chemistry	Topics in physical chemistry include quantum mechanics, atomic and molecular structure, thermodynamics, thermochemistry, chemical equilibrium, reaction kinetics and chemical statistics. Topics in organic chemistry include theory and reactions of hydrocarbons & functional group derivatives, bonding and structure, nomenclature, stereochemistry, synthesis and mechanism.
Physics	Mechanics of solids and liquids, elastic properties of matter, heat, and sound. Study of electricity, magnetism, optics, special relativity, atomic, nuclear and astro-physics.
Cosmic Studies	This course examines the nature of galaxies, stars, planets and other astral phenomena.
Business	
Business Ethics & Professionalism	Course on business etiquette and professionalism. Through lecture, role-playing and participation, students will become familiar with the basics of business interaction, including introductions and conversation, telephone communication, nonverbal communication, workplace relationships and cross-cultural understanding.
Management Principles	Management concepts and strategies used by modern businesses. Designed to familiarize students with the accepted standards, procedures and techniques employed by corporate, business and functional level managers. Understanding of the role of management and how to develop plans and execute strategies in pursuit of organizational goals.
Microeconomics	Supply and demand model, the concept of elasticity, productivity, cost structures, and alternative market structures. Study impact of government intervention on equilibrium price and quantity and on consumer and producer surplus. Introduction to the following market structures: Perfect Competition, Monopoly, Monopolistic Competition, and Oligopoly. These alternative market structures are evaluated in terms of their implications for prices, efficiency, and the role of the government.
Macroeconomics	Introduction to measurement of economic aggregates, economic models, and economic policy. Measures of economic aggregates include: GDP, the unemployment rate, the GDP Deflator, and the Consumer Price Index. Covers the tools of fiscal and monetary policy and their impact on aggregate demand, prices, income and interest rates. Introduction to the following models: Classical, Keynesian, Monetarist, and Supply Side with their corresponding policy implications and recommendations.
Personal Finance	Introduction to concepts in personal finance. Course provides students with the basic tools to achieve their personal financial goals, including topics on financial planning, money management, tax strategy, consumer credit, investing in stocks, bonds, mutual funds, and real estate.

Finance	Introduction to the field of financial management, structure and function of the international financial marketplace, tax concepts, determinants of valuation and capital investment decision-making.
Computer Science	
Computer Science	Description of microcircuitry, microprocessing concepts, operating systems and networks.
Advanced Computer Science	Advanced programming, logic and information solutions.
Humanities	
Reading & Composition	Course in rhetoric emphasizes clear, effective written communication. Application of logical reasoning and analysis using fiction and non-fiction literature.
Advanced Reading & Composition	Continued development of clear, effective written communication. Further application of logical reasoning and analysis using fiction and non-fiction literature.
World History I	Review and analysis of key historical events and people from ancient times to the medieval period.
World History II	Review and analysis of key historical events and people from the Renaissance period to modern times.
Anthropology	Human origins and evolution, population genetics, sociocultural behavior, language, religion and other symbolic systems.
Sociology	Objective study of society and human social interaction. Emphasis is placed on both macro and micro sociological theory and methods of sociological inquiry, as well as cultural development, the process of socialization, social structure, social stratification.
Math	
Pre-Calculus	Topics include algebraic, exponential, logarithmic and trigonometric functions and their inverses and identities, conic sections, sequence series, the binomial theorem and mathematical induction.
Calculus	Limits, continuity, derivatives and integrals of algebraic and trigonometric functions, with mathematical and physical applications.
Electives	
Specialization	In addition to the core requirements, one elective per semester is reserved for specialization in an area of the student's choice. This allows students to develop a major or to customize the curriculum to best serve their unique goals. Faculty support is available for the full range of electives, which are selected by the student during pre-semester counseling.
HEALTH & NUTRITION STUDIES	<i>Please note that courses in the Health & Nutrition Curriculum are a combination of lectures, interactive discussions and personal guidance.</i>
Human Nutrition	Study of how to maintain a healthy diet, including macronutrients and micronutrients. Relationship between lifestyle choices and health is established. Develop understanding of approaches to healthful lifestyle planning.
Advanced Human Nutrition	Advanced study of diet, health and lifestyle choices.
Physiology & Anatomy	Cellular and organ physiology (molecular control, gene expression, ligament-and-binding site interactions, energy and cellular metabolism, membrane transport, membrane and action potentials, cellular communication, and homeostasis).



Personal Nutrition & Fitness	Developing skills that support positive lifestyle practices such as attainment and maintenance of healthy weight, fitness conditioning and stress management. Focus on nutrient intake required to achieve fitness and weight goals.
Biochemistry	Nutrient metabolism, key biochemical pathways, gene transcription and regulation, and cell communication.
Health Maintenance	Focus on developing a healthy state of mind. Topics include mental health and stress, cause and prevention of diseases, effects of alcohol, tobacco and drugs, sexuality and fertility.
Advanced Health Maintenance	Further development of good health habits, specifically through case studies. Topics include mental health and stress, cause and prevention of diseases, effects of alcohol, tobacco and drugs, sexuality and fertility.
Exercise Physiology & Fight Science	Topics related to exercise and human performance, including energy transfer and utilization, nutrition, and measurement of human performance as it relates to physical activity and combat.
IMAGINATIVE STUDIES	
Self-Awareness	Identifying interests, abilities, core values and goals.
Visualization	Development and refinement of the student's personal vision, utilizing coursework, faculty mentoring and database technology.
Creative Communication	Visual, vocal and verbal concepts. Synthesizing ideas into original communication. Speaking with integrity and passion.
Creative & Effective Writing	Focuses on creative writing and the synthesis of abstract and real elements for effective communication.
Realization	Refining the personal life vision and developing tangible steps for implementation.
Mythology & Religious Belief Systems	Study of Paganism, Christianity, Judaism, Islam, Buddhism and Taoism with an emphasis on developing one's own unique value system and way of being.
Advanced Realization	Advanced realization and post-graduate strategies.
Advanced Visualization	Advanced visualization and post-graduate strategies.
Higher Awareness	Final integration of the four-cornerstone curriculum with the student's personal vision.
PHYSICAL STUDIES	
Shaolin Kenpo Year One	Beginning Rank through Orange Belt
Shaolin Kenpo Year Two	Orange Belt through Blue w/ Green Stripe Belt
Shaolin Kenpo Year Three	Blue w/ Green Stripe Belt through Third Degree Brown Belt
Shaolin Kenpo Year Four	Third Degree Brown Belt through Black Belt