**EVS-2793**  
*Sources & Effects of Air Pollution*  
4 Credits  
Examines the common sources of air pollution and the effect of this pollution on human and ecosystem health, with an emphasis on how pollutants are produced and transported. The engineering aspects of combustion and transportation related emissions and the basic principles of air pollution meteorology will also be examined.  
Prerequisite: EVS-1001

**EVS-2891**  
*Hydrology & Quality of Water Resources*  
4 Credits  
A comprehensive survey of water resources considering both quantity and quality. Emphasis is on the standard techniques of sampling and monitoring especially for ground water. The hydraulic characteristics of water are also discussed. Analytical procedures used in field investigations and modeling studies are covered. A separate laboratory time is provided for on-campus and field activities.  
Prerequisites: CHM-1025, CHM-1025L and MAC-1102

**EVS-2893C**  
*Environmental Sampling & Analysis I*  
5 Credits  
Introduces the theory and methods of analysis of certain inorganic chemical substances and physical properties of soil. Techniques of sampling preparation for testing, and testing and analysis will be covered. Approved standards for analysis will be examined and utilized for laboratory testing. Laboratory exercises will include sample collection, testing and analysis.

**EVS-2894C**  
*Environmental Sampling & Analysis II*  
5 Credits  
Introduces the theory and methods of analysis of inorganic chemical substances of water. Techniques of sampling, preparation for testing, testing and analysis will be covered. Federal and state approved standards for analysis will be examined and utilized for laboratory testing. Laboratory exercises will include sample collection, testing and analysis.

**EVS-2895C**  
*Environmental Sampling & Analysis III*  
5 Credits  
Introduces the theory and methods of analysis of metals, organic load and biological test methods associated with water and wastewater. Techniques of sampling, preparation for testing and analysis will be covered. Quality control methods are also covered. Laboratory exercises will include sample collection, testing and analysis.  
Prerequisite: EVS-2894C

**EVS-2939**  
*Water Treatment Capstone Course*  
3 Credits  
This course is the final preparation for students to pass state certification exams if the student chooses to work at a municipal drinking water facility. Drinking water laws are covered as well as all of the reviews necessary to prepare the student for obtaining a job in the industrial or municipal sectors. Many case studies, process flows and problem solving workshops are provided.  
Prerequisites: EVS-2171, EVS-2170 and EVS-2160  
Corequisites: EVS-2164 and EVS-2162  
Credit for this course does NOT apply to the Associate in Arts degree.

**EVS-2942L**  
*Environmental Technology Practicum*  
3 Credits  
Focuses on hands-on experience in environmental sampling and analysis methods by assigning students to agencies or businesses for 24 hours per week. Emphasis will be to gain practical experience in protocols, methods and use of equipment in an applied setting; includes the possibility of outdoor work and mildly strenuous skills such as carrying and lifting.  
Prerequisite: EVS-2893C

**FAS-1012C**  
*Aquacultural Organisms*  
3 Credits  
The field of aquaculture uses a variety of organisms to culture from fresh water fish, to marine fish, plants, shrimp, lobster, and many others. In this course, the students will learn about the variety of organisms that can be cultured and the methods learned to do so.  
Prerequisites: College level reading and writing skills are required.

**FAS-1401L**  
*Aquacultural Laboratory Techniques*  
3 Credits  
The field of aquaculture uses a number of laboratory techniques to assist the technician in the treatment of fish, identification of fish, breeding techniques, raising of fish, feeding, and a whole host of controls on the artificial environment of the aquarium. This laboratory teaches the techniques used in the field.  
A special fee will be charged for this course.  
Prerequisites: College level reading and writing skills are required.

**FAS-1404C**  
*Aquacultural Field Techniques*  
3 Credits  
Focuses on the practical aspects of establishing a fish farm, setting up the ponds, maintaining environmental conditions, and harvesting the fish.  
A special fee will be charged for this course.  
Prerequisites: College level reading and writing skills are required.

**FAS-2224C**  
*Aquacultural Nutritional Techniques*  
3 Credits  
Focuses on the nutritional aspects of fish. Fish digestive anatomy, nutrition requirements, metabolic rates, diets, and available food sources will be covered.  
Prerequisites: College level reading and writing skills are required.

**FAS-2253**  
*Aquacultural Disease Processes*  
3 Credits  
Studies the disease processes that affect fish that includes bacterial diseases, infections, viruses, fungi, parasites, immune diseases, nutritional diseases and environmental diseases.  
Prerequisites: College level reading and writing skills are required  
Corequisite: FAS-2253L

**FAS-2253L**  
*Aquacultural Disease Processes Lab*  
1 Credit  
Designed to teach laboratory techniques to identify disease causing organisms and to use some of the treatment methodologies.  
A special fee will be charged for this course.  
Prerequisites: College level reading and writing skills are required  
Corequisite: FAS-2253

**FAS-2263C**  
*Aquacultural Reproductive Techniques*  
3 Credits  
Focuses on the principles of reproductive biology for the aquaculture industry. The primary emphasis will be on freshwater fish reproduction, however, other aquaculture organisms will be discussed.  
Prerequisites: College level reading and writing skills are required
FAS-2353C
Aquaculture Management Practices
3 Credits
Aquaculture operations are businesses. This course teaches the basic operations of the business side, showing profit and loss statements, marketing, how to manage people, and the general principles of how to manage an aquaculture establishment. In addition, decision-making tools for the manager will be presented that include the use of computers and records management.
Prerequisites: College level reading and writing skills are required.

FAS-2941L
Aquaculture Field Experience I
3 Credits
Focuses on the hands-on experience that can be gained from being in the field at aquaculture facilities in Hillsborough County. Students rotate through a variety of aquaculture operations to gain a broad spectrum of experiences that can only be gained from actual field work. This is the first of the four field experience courses.
Prerequisites: College level reading and writing skills are required.

FAS-2942L
Aquaculture Field Experience II
3 Credits
Focuses on the hands-on experience that can be gained from being in the field at aquaculture facilities in Hillsborough County. Students rotate through a variety of aquaculture operations to gain a broad spectrum of experiences that can only be gained from actual field work. This is the second of the four field experience courses.
Prerequisite: FAS-2941L

FAS-2943L
Aquaculture Field Experience III
3 Credits
Focuses on the hands-on experience that can be gained from being in the field at aquaculture facilities in Hillsborough County. Students rotate through a variety of aquaculture operations to gain a broad spectrum of experiences that can only be gained from actual field work. This is the third of the four field experience courses.
Prerequisite: FAS-2942L

FAS-2944L
Aquaculture Field Experience IV
3 Credits
Focuses on the hands-on experience that can be gained from being in the field at aquaculture facilities in Hillsborough County. Students rotate through a variety of aquaculture operations to gain a broad spectrum of experiences that can only be gained from actual field work. This is the last of the four field experience courses.
Prerequisite: FAS-2943L

FFP-1000
Introduction to Fire Science
3 Credits
Provides an overview of the fire protection field, with an emphasis on fire protection agencies, equipment, building design & construction and fire fighting tactics. Topics include fire suppression & equipment, characteristics and behavior of fire, fire hazard properties of ordinary materials, extinguishing agents and public relations.
Credit for this course does NOT apply to the Associate in Arts degree.

FFP-1304
Aerial Operators Course
3 Credits
Covers driving laws and techniques, construction and operation of ladder trucks, aerial platforms and apparatus maintenance.
Credit for this course does NOT apply to the Associate in Arts degree.

FFP-1506
Fire Prevention and Investigation
3 Credits
Deals with the principles of prevention and investigation, a study of the fire hazards of various occupancies, a review of fire prevention codes, OSHA requirements, surveying and mapping procedures. Topics include recognition of hazards, engineering and enforcement of solutions, public relations and presentation of arson evidence.
Credit for this course does NOT apply to the Associate in Arts degree.

FFP-1710
Company Officer
3 Credits
Designed to assist officers in solving problems and situations encountered in today's changing fire service. The curriculum includes a review of fire department organization and administration, management theory, leadership, communication, motivation and group dynamics.
Credit for this course does NOT apply to the Associate in Arts degree.

FFP-1810
Fire Fighting Tactics and Strategy I
3 Credits
Involves a review of fire chemistry, equipment, manpower, strategies, methods of attack and pre-planning fire problems.
Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2120
Fire Service Building Construction
3 Credits
Building construction topics include identifying hazards from assault by fire and gravity, how building construction can influence fire spread, fire confinement or structural collapse, and many other life safety issues.
Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2151
Fire Service Information Management
3 Credits
Emphasis on the development and implementation of effective information services systems, strategic planning documentation and technology.
Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2280
Management of EMS for Fire Science
3 Credits
Provides a framework for the design and development of an emergency medical program. Focuses on current issues facing emergency medical services today.
Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2303
Fire Service Hydraulics
3 Credits
This course will cover the principles of fire service hydraulic formulas and calculations to determine pump pressures.
Credit for this course does NOT apply to the Associate in Arts degree.
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FFP-2305
Apparatus Operations

3 Credits

This course covers emergency vehicle driving fire ground pump operations including the use of master stream devices, pump construction and pump operational applications.

Prerequisite: FFP-2303

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2401
Hazardous Materials I

3 Credits

On site operational practices for hazardous materials in compliance with CFR 1910.120 standards.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2402
Hazardous Materials II

3 Credits

On site operational practices for hazardous materials in compliance with CFR 1910.120 standards.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2484C
Hazardous Materials Scene Management

3 Credits

This course will focus on the strategies and safe procedures for mitigating the danger at a hazardous materials incident. The course will meet the requirements set forth by OSHA 1910.120 and CFR 1910.120.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2490C
Chemistry of Hazardous Materials

3 Credits

This course focuses on the chemistry knowledge required to evaluate the potential hazards and behaviors of materials considered hazardous. It examines the reasons for the chemical behavior of hazardous materials and is designed to improve decision making, safety operations, and handling. The course will meet the requirements set forth by OSHA 1910.120 and 40 CFR 1910.120.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2510
Codes and Standards

3 Credits

This course is designed to familiarize inspectors with the basic units of NFPA 101. This course includes statewide fire prevention code NFPA 1.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2521
Construction Documents & Plans Review

3 Credits

This curriculum is designed to have the student assimilate information contained in working drawings and specifications as they relate to the fire inspector. Topics include the interpretation of conventional graphic communication, symbols, abbreviations, principles of technical projection as well as a review of construction arithmetic and geometry.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2540
Private Fire Protection Systems

3 Credits

The study of private fire protection and detection systems, such as sprinkler and standpipe systems, chemical extinguishing systems, detection systems and devices. Each system is discussed as to its construction, preventive maintenance and individual uses.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2590
Management of Fire Prevention Programs

3 Credits

Focuses on the ability of chief officers to effectively plan and execute fire prevention investigation functions.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2604
Cause and Origin

3 Credits

This course is designed to enhance the fire investigators ability to detect and determine the origin and cause of a fire. Specific topics include fire behavior review, investigation ethics, construction, ignition sources, reading fire patterns and scene reconstruction. Special topics on electrical fire investigation, woodland fires, vehicle fires, mobile home fires, RV and boat fires and some documentation.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2701
Organization/Command Fire Science Operations

3 Credits

Focuses on identifying the organizational structure, training, and the application of the incident command system to volunteer programs.

Credit for this course does NOT apply to the Associate in Arts degree.

FFP-2720
Executive Fire Officer Leadership/Personnel Management

3 Credits

Provides a framework to identify the required skill and abilities necessary for administrative effectiveness and personnel management.

FFP-2730
Fire Service Organizational Theory

3 Credits

Provides a medium to relate current organizational theory to practical application in the fire service.

FFP-2740
Fire Service Course Delivery

3 Credits

Draws from many recognized authorities in exploring the methods and mechanics of imparting information, with an emphasis on techniques and multi-media materials for communication of ideas and strengthening the retention of skills obtained in the learning process.

FFP-2741
Fire Service Course Development

3 Credits

Emphasis on instructional design, course development and training manuals. Students develop their own course by establishing goals, objectives and evaluation criteria.

FFP-2750
Financial Management in Fire Service

3 Credits

Designed to assist fire executives in the planning and managing of a fiscal program.

FFP-2790
Analysis of Fire Department Operations

3 Credits

Designed for upper level management and officers who will direct operations of maximum involvement at fire or emergency incidents within their community.
Films of Fantasy and the Imagination

3 Credits
This course focuses on the art of the created motion picture image, which springs from the imagination with the help of tools such as animation, optical printing and digital construction and manipulation. This approach contrasts with the more traditional production of moving images, which focuses on and photographs aspects of real and existing objects, whether these are actors and sets or the world of nature. This course concerns films which spring from the imagination, literally from the mental pastures of human dreams, from the subconscious rather than the conscious mind.

Prerequisites: FIL-1000 or FIL-2030

History and Future of Motion Pictures

3 Credits
This course explores the history of the motion media, including important films, techniques, and styles from 1900 to the present. It also surveys the industrial and social developments of cinema from the point of view of the artist.

Directed Independent Study: Film

3 Credits
This course is designed to establish a framework for further self-learning in various areas of motion media for the advanced student. The student will shape the course to fit their needs by planning activities and preparing a contract coordinated with a member of the motion media faculty. The contract will outline a specific project, or a particular set of goals and requirements that the student wishes to achieve. The contract must be satisfactorily completed and reviewed by the assigned faculty member.

Prerequisite: FIL-1000

Careers in Film and Video

1 Credit
Students are exposed to the full-range of careers in film, video and broadcasting in addition to learning about resumes, internships, interviews and portfolios.

Personal Finance

3 Credits
Focuses on charting financial objectives, with an emphasis on budgeting, savings, Credit, loans, insurance, estate planning, taxes, investments and real estate.

Prerequisite: APA-1111 or higher level accounting. College level reading, writing, and math skills are required.

International Financial Management

3 Credits
Offered as a required course for the International Business student to provide the basic concepts and principals of international finance in order to understand the nature of international banking, financial services, lending concepts and practices, capital budgeting, financial instruments, and systems of international business operations and control.

Prerequisites: FIN-2001. College level reading, writing, and math skills are required.

Natural Resource Management

3 Credits
An introduction to the ecology and conservation of natural resources of native lands, concentrating on Florida ecosystems. Emphasis will be given toward management techniques for the conservation of interactive networks and ecosystems on which species depend. Topics include: land use, ecosystems management, conservation and restoration practices, wildlife and forest management, and prescribed fire management.

Prerequisites: EVR-1328. College level reading and math skills are required.
FOS-1201
Sanitation and Safety Management
2 Credits
Explores the scientific rationales of sanitation and safety practices which are enforced for group protection in institutions and food service facilities. Causes of food-borne illnesses will be identified, and preventative techniques by adhering to sanitation standards will be demonstrated. Methods of accident and fire prevention will be emphasized.

FOS-2521
Introduction to Seafood Processing
3 Credits
Provides a comprehensive overview of food science and technology, and an understanding of how raw aquacultural commodities and seafood are converted into consumer products. Topics include: food constituents, food deterioration and spoilage, food laws and regulations, methods used to preserve and process foods, and examples of processing and preservation of seafood. Class will include field trips to local seafood processing plants. This class is part of the curriculum for the C.A.S.S. International Aquaculture students. Others can take course with the instructor’s approval.
Credit for this course does NOT apply to the Associate in Arts degree.

FRE-1120
Elementary French I
4 Credits
Covers the fundamentals of listening, reading and writing the language, while developing an understanding of the French culture. Native speakers of French are not allowed to enroll in this course. These students may see their instructor to take the credit by exam test.
Prerequisites: College level reading and writing skills are required.

FRE-1121
Elementary French II
4 Credits
Enhances the skills learned in FRE 1120.
Prerequisite: FRE-1120 or an equivalent course

FSS-1223
Food Preparation for Managers
4 Credits
Examines the chemical and physical changes that take place as food is processed. hands-on experience in the cookery laboratory is included.

FSS-1246C
Food Specialties I (Baking)
3 Credits
Covers the fundamentals of baking through the preparation of baked goods, with an emphasis on the proper use and care of equipment, sanitation, hygienic work habits and their conformance with health laws.

FSS-1248C
Food Specialties II (Garde Manager II)
3 Credits
Stresses basic Garde Manager principles and the functions and duties of the department as it relates to other kitchen operations. Emphasis is on specialty work which includes ice carving, buffet decorations, equipment and area planning.

FSS-1249C
Food Specialties III (Garde Manager II)
3 Credits
Focuses on advanced Garde Manager techniques such as aspics, pates, galantines and buffet table arrangements with an emphasis on equipment and organization.

FSS-1500
Food & Beverage Control
3 Credits
Covers inventory control procedures, the determination of inventory cost and efficient space utilization with an emphasis on preparation of daily cost reports and monthly cost summaries.

FSS-1941
Food Practicum I
2 Credits
A coordinated work-study course involving class work and field experience. Objectives determined by the student and teacher-coordinator will be used to evaluate the student.

FSS-1942
Food Practicum II
2 Credits
A coordinated work-study course involving class work and field experience. Objectives determined by the student and teacher-coordinator will be used to evaluate the student.

FSS-1943
Food Practicum III
2 Credits
A coordinated work-study course involving class work and field experience. Objectives determined by the student and teacher-coordinator will be used to evaluate the student.

FSS-1944
Food Practicum IV
2 Credits
A coordinated work-study course involving class work and field experience. Objectives determined by the student and teacher-coordinator will be used to evaluate the student.

FSS-1945
Food Practicum V
2 Credits
A coordinated work-study course involving class work and field experience. Objectives determined by the student and teacher-coordinator will be used to evaluate the student.

FSS-1946
Food Practicum VI
2 Credits
A coordinated work-study course involving class work and field experience. Objectives determined by the student and teacher-coordinator will be used to evaluate the student.

FSS-2110
Food Plans & Menu Preparation
3 Credits
Emphasizes the preparation of a nutritionally balanced cycle menu, portion control, use of leftovers and waste control.

FSS-2120
Food Purchase & Storage
3 Credits
Focuses on volume food purchasing, with an emphasis on the legal obligations of vendors and vendees, receiving controls and storing & dispersal.
Prerequisite: FSS-2110
GER-20
Introduction to International Business Policy Issues
3 Credits
Prepares students for entry-level positions in international business; for those in the international business environment to broaden their knowledge and to acquire additional skills required for career advancement; and to provide academic opportunities for understanding policy development and planning in international business in the global economy of the world.
Prerequisites: GEB-1011, GEB-2350 and FIN-2051
College level reading and writing skills required.

GER-1120
Elementary German I
4 Credits
Covers the fundamental of reading, writing, listening and speaking the language while developing an understanding of the German culture. Native speakers of German are not allowed to enroll in this course. These students may see their instructor to take the credit by exam test.

GER-1121
Elementary German II
4 Credits
Enhances the skills taught in GER 1120
Prerequisite: GER-1120 or an equivalent course

GEY-1000
Issues of Aging
3 Credits
Explores the issues related to the aging process and the later stages of life including: retirement, psychosocial concerns and community services for the elderly.
Prerequisites: College-level Reading and Writing skills

GIS-1041
Survey/Geographic Info Systems & Global Positioning Systems
1 Credit
Designed to acquaint students with the uses and applications of Geographic Information Systems (GIS) and Global Positioning Systems (GPS). Methods and techniques used in GIS and GPS will also be reviewed.
Credit for this course does NOT apply to the Associate in Arts degree.

GIS-2040
Fundamentals of Geographic Information Systems
3 Credits
Designed to acquaint students with the history, operation and applications of geographic information systems (GIS). This course will cover all aspects of geographic information systems including data collection, preprocessing, data management and data analysis as well as the application of these systems.
Credit for this course does NOT apply to the Associate in Arts degree.

GLY-1010
Physical Geology
3 Credits
Covers basic geology concepts and principles. Topics include origin and structure of the earth, processes involved in shaping the earth’s crust, the nature and classification of earth materials, and the dynamic interactions of the lithosphere with the hydrosphere and atmosphere that produce characteristic landforms.
Prerequisites: College level reading, writing and math skills are required.
Corequisite: GLY-1010L.

GLY-1010L
Physical Geology Laboratory
1 Credit
This course accompanies GLY 1010.
A special fee will be charged for this course.
Prerequisites: College level reading, writing and math skills are required.
Corequisite: GLY-1010L.

GRA-1111C
Graphic Design
3 Credits
This course is an introductory class which will introduce students to the design applications relevant to graphic design. Students with little or no experience on a MAC or PC will become familiar with the operating systems and will be able to use the computer to bring their images into the computer and be able to function with proficiency in file management, input and output, design applications, and creating backups of their work.
GRA-1156C
Graphic Design: Fundamentals
3 Credits
This course is a fundamental graphic design class for students with an emphasis on design applications. The students will gain knowledge on how to implement their skill set into real world situations and introduce them to using a design pipeline for all of their high fidelity (form) based designs. This course will also introduce the student to printing out large scale media using design applications.
Prerequisite: GRA-1111C

GRA-2173C
Graphic Design: Implementation
3 Credits
This course is an implementation course for students experienced on a Mac or PC and in design applications. The students will gain knowledge on how to implement their skill set into real world situations and introduce them to using a design pipeline for all of their high fidelity (form) based designs. This course will also introduce the student to printing out large scale media using design applications.
Prerequisite: GRA-1156C

HFT-1000
Lodging Management
3 Credits
Presents introductory material on the hotel-motel industry, with an emphasis on guest room facilities and services, space utilization and guest records.

HFT-1410
Front Desk Procedure
3 Credits
Field work in front-desk operations and guest relations. (80 hours, as scheduled by the instructor)

HFT-2210
Management of Hospitality Personnel
3 Credits
Covers techniques for supervising, motivating and instructing hourly wage employees, writing job descriptions and developing work simplification studies and job audits.
Prerequisites: College level reading, writing and math skills are required.

HFT-2530
Merchandising/Advertising in Hospitality
3 Credits
Includes the planning of a sales campaign, display of food items, the physical appearance and condition of equipment and property, community relations and interactions of employees and customers.

HFT-2600
Hospitality Law
3 Credits
Presents a study of the laws, codes and regulations applicable to the hospitality industry.

HFT-2750
Convention Management & Service
3 Credits
Defines the scope and various segments of the convention market, explains what is required to meet individual needs, and explores methods and techniques that lead to better service.

HFT-2840
Maitre D’ & Dining Room Service
3 Credits
Presents introductory material on all types of dishes, how and when they are used. Includes the duties of waiters and waitresses, personal hygiene and appearance, basic rules and procedures for serving, accident prevention, familiarization with menu items, banquet service & table settings, and French, Russian and English buffet and smorgasbord service. Ninety hours of work experience in the food laboratory are included.

HFT-2941
Hospitality Management Internship
3 Credits
A work-based learning experience for hospitality management students. Student intern placements will be dependent upon student preference and availability of participating hospitality institutions. The intern is to complete a minimum of 125 hours of internship experience during the term of enrollment.

HIM-1000
Medical Record Content
1 Credit
Covers the basics of medical record content and usage. Provides an understanding of patient record requirements, access, and confidentiality. Includes analysis of the medical record, emphasizing legal ramifications, ethics, proper use, and confidentiality issues.
Credit for this course does NOT apply to the Associate in Arts degree.

HIM-1430
Principles of Disease with Anatomy I
4 Credits
Course content includes: etiology, anatomy, pathophysiology, treatment, and complications of human diseases. Focuses on the anatomy and the disease process of the body systems. Emphasizes general principles, classifications, causes and treatments of diseases, illnesses, and injuries. Common Laboratory and Diagnostic Tests are included.
Credit for this course does NOT apply to the Associate in Arts degree.

HIM-1436
Principles of Disease with Anatomy II
4 Credits
A continuation of Principles of Disease with Anatomy I. Course content includes: etiology, anatomy, pathophysiology, treatment, and complications of human diseases. Focuses on the anatomy and the disease process of the body systems. Emphasizes general principles, classifications, causes and treatments of diseases, illnesses and injuries. Common laboratory and diagnostic tests are included.
Prerequisite: HIM-1430
Credit for this course does NOT apply to the Associate in Arts degree.

HIM-1440
Pharmacology
2 Credits
Course is designed for students who will not be administering medications but require a general knowledge of classifications, common usage, and therapeutic indications of commonly prescribed medications.
Credit for this course does NOT apply to the Associate in Arts degree.

HIM-2220
Basic ICD-9-CM Coding
1 Credit
An introduction to basic coding principles, characteristics and conventions using the ICD-9-CM coding system. Student will learn to use the Alphabetic Index to select correct codes from the Tabular listing to numerically identify diseases and procedures.
Prerequisite: HSC-1531
Credit for this course does NOT apply to the Associate in Arts degree.
COURSE DESCRIPTIONS

**HIM-2221**  
Intermediate ICD-9-CM Coding  
3 Credits  
Coding principles, characteristics, and conventions of coding using the ICD-9-CM coding system. Includes coding principles and guidelines using the Alphabetic Index and Tabular list for diseases and procedures.  
Prerequisite: HIM-2220  
Credit for this course does NOT apply to the Associate in Arts degree.

**HIM-2253**  
Basic CPT Coding  
1 Credit  
Introduces basic coding principles, characteristics, and conventions of coding, using the Physicians' Current Procedural Terminology (CPT). Focuses on evaluation and management coding, unbundling, starred procedures, separate procedures, the global period, and modifiers.  
Prerequisite: HSC-1531  
Credit for this course does NOT apply to the Associate in Arts degree.

**HIM-2254**  
Intermediate CPT Coding  
3 Credits  
Prerequisites: HSC-1531, HIM-2220, HIM-1430, HIM-1436, and HIM-2253  
Credit for this course does NOT apply to the Associate in Arts degree.

**HIM-2271C**  
Medical Billing and Insurance I  
3 Credits  
Introduction to health insurance claims processing, carrier requirements, and state and federal regulations. Billing for physician office, hospital and ambulatory surgery services. Topics that are covered include, electronic billing, confidentiality, managed care systems, workers’ compensation, Medicare and Medicaid. Will include hands-on laboratory component.  
Prerequisites: HSC-153, HIM-2220 and HIM-2253  
Credit for this course does NOT apply to the Associate in Arts degree.

**HIM-2272C**  
Medical Billing & Insurance II  
3 Credits  
Emphasis on billing regulations for the State of Florida. Course content includes LMRPs, Workers’ Compensation Laws, Florida Medicare and claims for automobile accident injuries.  
Prerequisites: HIM-2271C, HSC-1531, HIM-2220, and HIM-2253  
Credit for this course does NOT apply to the Associate in Arts degree.

**HIM-2273**  
Billing Software  
2 Credits  
Students will receive training with a software program that is used to complete billing forms and process claims to insurance companies. Includes paper claims and electronic billing.  
Prerequisites: HIM-2271C, HIM-2272C, HSC-1531, HIM-2220 and HIM-2253  
Credit for this course does NOT apply to the Associate in Arts degree.

**HIM-2283**  
Advanced Coding  
3 Credits  
Includes the study of complex medical and surgical diagnoses and procedures in the inpatient and outpatient settings using CPT and ICD-9-CM codes to ensure accurate coding and reporting. Addresses current concepts and changes related to coding practice. Reimbursement by prospective payment systems will be reviewed. The 3M encoder will be used to provide hands-on practice.  
Prerequisite: HSC-1531, HIM-1430, HIM-1436, HIM-1440, HIM-2220, HIM-2221, HIM-2253 and HIM-2254  
Credit for this course does NOT apply to the Associate in Arts degree.

**HIM-2940**  
Clinical Billing Practicum  
2 Credits  
Course is a planned work-based experience that provides students with an opportunity to enhance their skills through a supervised practical experience related to their career objectives in medical billing.  
Prerequisites: HSC-1531, OST-1100, OST-2145, CIS-1931, HSC-1641, HIM-1000, HIM-2271C, APA-1111, SLS-1261, HIM-2253 and HIM-2220  
Credit for this course does NOT apply to the Associate in Arts degree.

**HIM-2941**  
Clinical Coding Practicum  
2 Credits  
Course is planned work-based experience that provides students with an opportunity to enhance their skills through a supervised practical experience related to their career objectives. Coding guidelines will be used and the student will address billing and reimbursement issues. Medical records will be used by the student to perform coding procedures.  
Prerequisites: CIS-1931, HSC-1531, HIM-2253, HIM-2220, HIM-1000, HIM-1430, HIM-1436, HSC-1641, HIM-2254, HIM-2221 and HIM-1440  
Credit for this course does NOT apply to the Associate in Arts degree.

**HIS-2206**  
Group Studies in Historical Problems  
3 Credits  
An in-depth study of the economic, intellectual, cultural, social and political developments in Western civilization and their impact on today’s world.

**HIS-2206H**  
Honors Selected Topics in History  
3 Credits  
Same as HIS-2206 with honors content. Honors Institute permission required. May be taken two times for credit.

**HLP-1081**  
Health Analysis & Improvement III  
3 Credits  
Examines the role, wellness and fitness, disease, nutrition, stress and physical activity, and their implications for total well being. Includes a self-evaluation of the student's current health status through their body composition and target heart rate. The development of a personal fitness program through complimentary and integrative modalities and a wide variety of choices is designed to improve total body fitness.
HLP-2000
Introduction to Physical Ed & Recreation

3 Credits

An introduction to the field of physical education health education and recreational activities including historical background, programs, qualifications, techniques, organization and career opportunities.

HOS-1010
Horticultural Science

3 Credits

Focuses on the fundamentals of plant growth, physiology, reproduction and related sciences. Plant identification structures, classification, soils, nutrition, irrigation, fertilizers, IPM post harvest handling and sustainable agriculture systems will be addressed. The impact of horticulture economy will also be addressed.

HOS-1016
Introduction to Horticultural Math and Chemistry

3 Credits

Focuses on the fundamentals of chemistry and mathematics as they impact horticulture. Emphasis will be placed on measurements and units, chemicals and chemical reactions as they apply to horticulture. Topics include: numbers, metric system conversion, figures (charts and graphs), chemical reactions, liquids and solids, biochemistry and organic chemistry.

HSC-1102
Perspectives of Healthful Living

3 Credits

Develops the student's knowledge and skills in health promotion/disease prevention. Provides an overview of the history, current state of practice and future trends in wellness and occupational therapy. Also explores health promotion, public policy and marketing. The presentation of topics follows a developmental sequence and each topic is analyzed from a prevention perspective. The student will implement a personal wellness goal, formulate a health/wellness topic, and complete an adolescent role assessment, and visit a community support group.

Prerequisites: LEI-2721. College level reading and writing skills are required.

Credit for this course does NOT apply to the Associate in Arts degree.

HSC-1220
Introduction to Health Sciences

1 Credit

Introduces students to health care and patient care delivery systems. Includes discussion of infectious diseases and their transmission, including HIV/AIDS and hepatitis, bloodborne pathogens, legal/ethical issues regarding violence/abuse cognition and reporting. Also includes CPR certification for health care providers.

Prerequisites: College level reading and writing skills are required.

Credit for this course does NOT apply to the Associate in Arts degree.

HSC-1530
Terminology Healthcare Programs

1 Credit

Provides the student with the basic knowledge of the language of healthcare and the formation of complex medical terms. This independent study course is presented in modular design. It utilizes written and reading assignments as well as audiovisual presentations to maximize retention.

Credit for this course does NOT apply to the Associate in Arts degree.

HSC-1531
Medical Terminology

3 Credits

Focuses on medical terminology, with an Emphasis is on anatomic names of bones and organs of the body, anatomic descriptive terms, radiographic laboratory terms and their common abbreviations and commonly used medical terms and their proper usage.

Credit for this course does NOT apply to the Associate in Arts degree.

HSC-1641
Legal and Ethical Aspects in Health Care

1 Credit

An introduction to health care delivery systems, their roles and responsibilities, and the patient's legal rights within the system. The student will also evaluate ethical issues as they relate to the health care field.

Credit for this course does NOT apply to the Associate in Arts degree.

HSC-2100
Health Education

3 Credits

Provides a survey of the principles of health with an emphasis on physical fitness, mental health, nutrition, the use of tobacco, alcohol, drugs and family living.

HSC-2400
First Aid

3 Credits

To provide the citizen responder with the knowledge and skills necessary in an emergency to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until professional medical help arrives. Meets American Red Cross requirements for First Aid Responding to Emergencies Certification.

A special fee will be charged for this course.

HUM-1520
Music in Culture

3 Credits

Links music to the visual arts and the composer’s cultures, focusing on western music from the Medieval Period to the present.

HUM-2210
World Humanities: Prehistory to the Early Modern Era

3 Credits

Provides an overview of the arts and ideas of major world civilizations of Europe, Asia, the Middle East, Africa and the Americas, from the Prehistoric era to the Renaissance. History is discovered through a study of art, music, literature, religion and philosophy, as students learn what others valued and believed.

Prerequisites: College level reading and writing skills are required.

HUM-2210H
Honors World Humanities: Prehistory to the Early Modern Era

3 Credits

Same as HUM-2210 with honors content. Honors Institute permission required.

Prerequisites: College level reading and writing skills are required.

HUM-2230
World Humanities: Early Modern to the Contemporary

3 Credits

Provides an overview of the arts and ideas of major world civilizations of Europe, Asia, the Middle East, Africa and the Americas, from the Renaissance to the present day. History is discovered through a study of art, music, literature, religion and philosophy, as students learn what others valued and believed.

Prerequisites: College level reading and writing skills are required.

HUM-2230H
Honors World Humanities: Early Modern to the Contemporary

3 Credits

Same as HUM-2230 with honors content. Honors Institute permission required.

Prerequisites: College level reading and writing skills are required.
HUM-2410
Asian Humanities
3 Credits
A historical survey of the humanities in India, China, Japan: the visual arts, music, dance, theater, religion, and philosophy from the prehistoric era to modern times. Emphasis will be on the cultural values revealed in works of art and literature.
Prerequisites: College level reading and writing skills are required.

HUM-2410H
Honors Asian Humanities
3 Credits
Same as HUM 2410 with honors content. Honors Institute permission required. A historical survey of the humanities in India, China, Japan: the visual arts, music, dance, theater, religion and philosophy from the prehistoric era to modern times. Emphasis will be on the cultural values revealed in works of art and literature.
Prerequisites: College level reading and writing skills are required.

HUM-2420
African Humanities
3 Credits
A historical survey of the African Humanities: the visual arts, music, dance, literature, theater, religion, and philosophy from the prehistoric era to the present day. Emphasis will be on the cultural values revealed in works of art and artifact.
Prerequisites: College level reading and writing skills are required.

HUM-2461
Latin American Humanities
3 Credits
A historical survey of the humanities of Latin America: the visual arts, music, dance, theater, religion and philosophy from the pre-Columbian era to modern times. Emphasis will be on the cultural values revealed in works of art, artifact, and literature.
Prerequisites: College level reading and writing skills are required.

HUM-2700
Introduction to the Arts I
3 Credits
Focuses on the attitudes and beliefs of societies as they are reflected in the arts. Topics include painting, architecture, music and drama. The course may be repeated for credit except for students participating in the Dual Enrollment Program. Course content varies by term. This course may be repeated one time for credit.
Prerequisites: College level reading and writing skills are required.

HUS-1024
Abnormal Behavior: Etiology & Treatment
3 Credits
Focuses on the basic concepts of mental health and therapeutic intervention, with an emphasis on normal and abnormal behaviors. Topics include concepts of normalcy, models of abnormal designations (medical vs. non-medical) and identification and classification of abnormal behavior.
Credit for this course does NOT apply to the Associate in Arts degree.

HUS-1200
Introduction to Group Process
3 Credits
Provides an introduction to the principles of group interaction, with an emphasis on observation and participation in the group environment.
Credit for this course does NOT apply to the Associate in Arts degree.

HUS-1301
Counseling Theory I
3 Credits
Provides a review of theories and their relation to therapeutic behaviors, procedures and techniques.
Credit for this course does NOT apply to the Associate in Arts degree.

HUS-1304
Interpersonal Skills in Human Services
3 Credits
Focuses on the learning and proactive of the basic communication and interpersonal skills that are necessary in providing competent mental health and social services.
Credit for this course does NOT apply to the Associate in Arts degree.

HUS-1320
Crisis Intervention
3 Credits
Focuses on the theoretical and practical aspects of human crises, with an emphasis on handling simulated crisis situations.
Prerequisites: College level reading and writing skills are required.

HUS-1331
Clinical Procedures I
2 Credits
Focuses on the application of psycho-pathology to clinical experience, with an emphasis on observation and reporting. Topics include a review of various neuroses and the dynamics of depression.
Corequisite: HUS-182
Credit for this course does NOT apply to the Associate in Arts degree.
**HUS-1540**  
**Principles for Understanding and Working With Families**  
3 Credits  
This course presents family theories most often used by human service workers as the framework for working with families. Three of these theories - the ecological model of human development, family systems theory and empowerment theory will be used to help students understand the complexity of family development and adaptation and the impact of stress on the family system. The student will learn how these theories can be used in the development of family-professional collaboration and application of family-centered practice. Students will learn and practice skills for empowering families to assess their strengths, concerns and priorities and to plan for how to meet their needs.  
Prerequisite: HUS-1001  
Credit for this course does NOT apply to the Associate in Arts degree.

**HUS-1550**  
**Multicultural Perspective in Human Services**  
3 Credits  
Addresses cultural diversity and its implications for counseling and human services practice. It considers the psychological impact of factors such as sex, race, ethnicity and culture, religious preference, socioeconomic status, sexual orientation, and physical disability. Common stereotypes and prejudices toward various groups and cultures are investigated. Strategies for overcoming prejudice are studied. Interventions and strategies for working effectively in a helping capacity with diverse clients are discussed.  
Credit for this course does NOT apply to the Associate in Arts degree.

**HUS-1820**  
**Human Services Practicum I**  
2 Credits  
Provides an opportunity to apply theory in community health agencies for 16 hours per week. The emphasis is on direct client contact and on using correct interviewing techniques.  
A special fee will be charged for this course.  
Prerequisites: GEY-1000, HUS-1024, HUS-1200, HUS-1301, HUS-1320  
Corequisite: HUS-1331  
Credit for this course does NOT apply to the Associate in Arts degree.

**HUS-2311**  
**Strategies of Behavior Modification**  
3 Credits  
Focuses on the tenet of learning and motivation, with an introduction to behavior theory.  
Prerequisites: HUS-1820, HUS-1331  
Credit for this course does NOT apply to the Associate in Arts degree.

**HUS-2312**  
**Counseling Theory II**  
3 Credits  
This course is a continuation of HUS-1301, Counseling Theory I. Provides a review of theories and their relation to therapeutic behaviors, procedures and techniques.  
Prerequisite: HUS-1301  
Credit for this course does NOT apply to the Associate in Arts degree.

**HUS-2332**  
**Clinical Procedures II**  
2 Credits  
Focuses on basic medical terminology, problem oriented reporting and standing operating procedures, with an emphasis on developing a psycho-social history and treatment plan.  
Corequisite: HUS-2821  
Credit for this course does NOT apply to the Associate in Arts degree.

**HUS-2333**  
**Clinical Procedures III**  
2 Credits  
Focuses on identifying current issues in Human Services practice, including family interactions and systems theory as well as issues related to children and adolescents, substance abuse, managed care and the mind/body connection. The student is expected to spend two contact hours per week in class.  
Corequisite: HUS-2822  
Credit for this course does NOT apply to the Associate in Arts degree.

**HUS-2334**  
**Clinical Procedures IV**  
2 Credits  
Focuses on the final preparation of career skills, case presentation, special clinical topics, and post graduation goals for continued professional growth in the human services field.  
Prerequisite: HUS-2822  
Corequisite: HUS-2823  
Credit for this course does NOT apply to the Associate in Arts degree.

**HUS-2541**  
3 Credits  
This course addresses three important issues of early childhood: health, development and parenting. Common health problems of infancy and early childhood are discussed along with important health promotion and disease prevention strategies for creating safe and nurturing environments. Content will address general social, environmental and biologic influences and factors that collectively impede or facilitate individual and family development, the major periods and domains of child development and the importance of early learning experiences that enhance brain development. Students will learn about characteristics and importance of parent-child interactions as well as other cultural and social influences on parenting skills. The depth of developmental knowledge provided is intended to enhance the skills of the family health and support worker, to increase their ability to provide anticipatory guidance and teaching, and to empower the parent-child relationship.  
Prerequisite: HUS-1001  
Credit for this course does NOT apply to the Associate in Arts degree.

**HUS-2542**  
**Working With Families in the Perinatal Period: Impact on Mother, Child and Family**  
3 Credits  
Pregnancy is an exciting and important time in the life of a woman, her unborn child and family members. This course reviews central issues that affect the family, particularly mother and child, before conception through the end of the first month after birth. The student will learn information to enhance their ability to support a woman as she gets ready for pregnancy, undergoes many changes in her body and the way she feels while pregnant, while in labor and following delivery. The student will learn what a woman should not do when pregnant, how to enable the pregnant woman to take care of herself to have a healthy baby, warning signs of problems, and care and feeding of the new baby. Students will practice skills for assessing a mother’s emotional adjustment to the birth of her infant, the interactions and bonding behaviors with her child, and the infant’s physical adaptations and social responsiveness.  
Prerequisite: HUS-1001  
Credit for this course does NOT apply to the Associate in Arts degree.
HUS-2821
Human Service Practicum II
2 Credits
Offers an opportunity to improve communications skills in selected agencies for 24 hours per week. Focuses on observing and reporting the mental state of the client through direct interaction.
A special fee will be charged for this course.
Prerequisites: HUS-1820 and HUS-1331
Corequisite: HUS-2332
Credit for this course does NOT apply to the Associate in Arts degree.

HUS-2822
Human Service Practicum III
2 Credits
Provides assignments to community agencies for 16 hours per week to develop skills in interviewing, observing, reporting and recognizing abnormal behavior.
A special fee will be charged for this course.
Prerequisites: HUS-2821 and HUS-2332
Corequisite: HUS-2333
Credit for this course does NOT apply to the Associate in Arts degree.

HUS-2823
Human Services Practicum IV
2 Credits
Provides assignments to community agencies for 16 hours per week where the emphasis is on increased responsibility for client intervention and continued refinement of intervention techniques in direct delivery care service.
A special fee will be charged for this course.
Prerequisite: HUS 2822
Corequisite: HUS 2333
Credit for this course does NOT apply to the Associate in Arts degree.

HUS-2840
Field Placement in Maternal and Child Services
3 Credits
This course involves students being assigned by HCC to an affiliate field placement site and having supervised contact with clients under the auspices of that agency for a total of ten hours per week. This field placement allows the student to experience and practice screening and assessment procedures, adult learning principles, and health education teaching functions in maternal and child service settings. The field placement or practicum experience will be augmented by biweekly seminars during which students will review their experiences and receive additional content not covered during the previous six ATD courses. The field placement is designed to enable students to apply specialized content to a specialized population.
Prerequisite: HUS-1001
Credit for this course does NOT apply to the Associate in Arts degree.

IDH-2931
Honors Leadership
3 Credits
An honors course in leadership and career theory that emphasizes understanding of oneself as an unique individual and that will serve as the basis for developing effective leadership abilities. The major topics include personal assessment, values and expectations, motivation, decision-making, and leadership and career theory. Honors Institute permission required.
Prerequisite: College level writing and reading skills required.

IDS-1152C
Environmental Science
3 Credits
Intended for non-science majors. Focuses on the general scientific principles of biology, ecology, earth science, and physical science in describing the environment, and how human activities affect the environment. Field trips are possible.
A special fee will be charged for this course.
Prerequisites: College level reading, writing and math skills are required.

IDS-1152H
Honors Environmental Science
3 Credits
Same as IDS 1152 with honors content. Honors program permission required.
Prerequisites: College level reading, writing and math skills are required.

IDS-2110
Connections
1 Credit
A selected topics capstone interdisciplinary experience course for the AA degree curriculum. Summarizes major points in the bodies of knowledge acquired while participating in the general education experience in an applied manner. Involves research, application of theoretical models, and utilization of learned skills.

IDS-2200
Energy Issues
3 Credits
This course provides an interdisciplinary study of renewable energy sources. A comparison of how the United States and other nations (primarily Denmark) have dealt with the political and economic vulnerability of the dependence on fossil fuel sources since the 1980's will be made. Societal aspects of energy use, waste, production, economics and environmental impacts will be compared between other nations and current United States trends. Course participants will be expected to observe aspects of Danish culture while staying with a Danish host family for approximately two weeks. This course will include both pre-trip and post-trip components.
Note: Course participants must successfully complete an application process.
Prerequisites: College level reading, writing and math skills are required.

IDS-2930
Interdisciplinary Travel Study/Service Learning
3 Credits
This course will examine specific cultural regions from a variety of perspectives. It combines classroom activities, scholarly research, travel study, and service learning. Perspectives to be explored in this course include the social, political, economic, religious, and artistic context (literature, art, architecture, dance, music, ritual). Additionally, the course promotes communication skills and team work. Honors program permission required.
Prerequisites: College level reading and writing skills are required.

IPM-1011
Plant Pests
3 Credits
Focuses on the study of insects, weeds, nematodes and plant diseases. Topics include identification, prevention, control and integrated pest management.
Corequisite: IPM-1011L
IPM-1011L
Plant Pests Laboratory
1 Credit
This course accompanies IPM 1011. A special fee will be charged for this course.
Corequisite: IPM-1011

IPM-1301
Application of Pesticides & Fertilizers
3 Credits
The course focuses on the fundamentals of pesticide and fertilizer application as they impact the horticulture industry. Emphasis will be placed on the safe and effective use of pesticides and fertilizers on horticultural crops and the environment. It will cover theory and provide practical hands-on activities in application strategies, to include application time, method rate and environment. Types of chemicals, formulation, management strategies, the use of labels, habits, habitats, signs and symptoms, mode of action of pesticides and fertilizers. Special emphasis will be placed on environmental safety, food, feed and water systems. The course will also cover equipment, calibration, application techniques, point and nonpoint contamination and emergency response. Strategies to prevent offsite contamination by wind, water or equipment will also be addressed.

IPM-2253
Management of Insects and Nematodes
3 Credits
The course will focus on the significance of insects and nematodes to horticulture. Emphasis will be placed on identification, classification, signs, symptoms and damage associated with insects and nematodes. It will also cover beneficial and harmful organisms, and provide hands-on activities including collecting, inspecting and identifying these organisms. Characteristics essential to management such as life cycle and development, body characteristics, feeding habits, habitats, hosts and control strategies will be included. Management will cover host specificity, harmful growth stage, control strategies to include legal, chemical, cultural, mechanical and biological. Emphasis will be placed on scouting and IPM strategies used in the horticultural industry.
Prerequisite: IPM-1011

IPM-2302
Applied Materials Chemistry and Calculations
3 Credits
The course focuses on the fundamentals of materials used in agriculture. Emphasis will be placed on the safe and effective use of the chemicals used on crops. It will cover theory and provide practical hands-on activities in calculating chemicals for application. Chemical composition, formulation, mode of action of materials, families, application rate and factors affecting the effectiveness of the applied materials will also be covered. Safety concerns for human and domestic animals, food, feed, wildlife and aquatic systems will also be addressed.

IPM-2551
Regulatory Environment of Pest Management
3 Credits
The course will focus on federal, state and local regulations in pest management. It will address the various agencies with roles in pest management. The regulatory roles of the USDA, EPA, DOT, DOI, FED, DOL will be addressed. Federal, state and local regulatory roles on certification, registration, special local needs, transport, spill, storage, disposal, restricted pesticide usage will all be covered. Safe use of pesticides with implication for handlers, groundwater, endangered species, agriculture and maintaining biological diversity will be addressed. Laws and acts with regulatory roles in pest management will be discussed.
Prerequisite: IPM-1011

IPM-2634
Management of Diseases and Weeds
3 Credits
The course will focus on the diseases and weeds that impact Florida’s agriculture. Emphasis will be placed on identification, classification and signs and symptoms of disease organisms. Management strategies to reduce impact of weeds and diseases of the landscape will be addressed. Characteristics essential to management such as disease occurrence, causative organisms, pathogenicity, development and transmission will be discussed. Weed characteristics, identification, classification, control strategies will be discussed. Principles and methods crucial to the management of weed and diseases will be covered, including legal, chemical, cultural, mechanical and biological. Emphasis will be placed on scouting and IPM strategies used in the horticultural industry.

ISC-1004C
Integrated Natural Science I
3 Credits
Students will examine integrative concepts in earth system science and environmental science. Topics include: the scientific method, the origin of the earth and life, geologic time processes/phenomena, evolution, ecology, and biological/geochemical cycles. This course is inquiry based and fully integrated with both laboratory and field experiences which emphasize active learning strategies.

ISC-1005C
Integrated Natural Science II
3 Credits
Students will examine integrative concepts in earth system science and environmental science. Topics include: fossils and earth history; natural catastrophic events, classification of organisms, ecosystems and how they work, the atmosphere and environment. This course is inquiry based and fully integrated with both laboratory and field experiences which emphasize active learning strategies.
Prerequisite: ISC-1004C

ISS-2930
Special Topics Interdisciplinary Social Science
3 Credits
This course focuses on in-depth coverage of one or more topics that are not covered in great detail in other Social Science courses. The course stresses an interdisciplinary approach. Course content varies according to the interests of students and faculty. This course may be repeated one time for credit under a different topic.
Prerequisites: College level reading and writing skills are required.

ITA-1120
Elementary Italian I
4 Credits
Covers the fundamentals of reading, writing, listening and speaking the Italian language while developing an understanding of the Italian culture. Native speakers of Italian are not allowed to enroll in this course. These students may see their instructor to take the credit by exam test.

ITA-1121
Elementary Italian II
4 Credits
A continuation of ITA-1120, this course enhances skills learned in ITA-1120. Native speakers of Italian are not allowed to enroll in this course. These students may see their instructor to take the credit by exam test.
Prerequisite: ITA-1120

JOU-1400L
Journalism Laboratory
1 Credit
Provides practical experience through work on college publications under faculty supervision. This course may be repeated six times for credit.
Prerequisite: ENC-1101