

FLORIDA'S STATEWIDE COURSE NUMBERING SYSTEM

ST. JOHNS RIVER STATE COLLEGE

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and by participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at <http://scns.fldoe.org>.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

GENERAL RULE FOR COURSE EQUIVALENCIES

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in *Exception to the General Rule for Equivalency*.

For example, a freshman composition skills course is offered by 84 different public and nonpublic postsecondary institutions. Each institution uses "ENC_101" to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade

digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course that have the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at a Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credits for courses successfully completed that have not been designated as equivalent. **NOTE:** Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

THE COURSE PREFIX

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix used to identify the course.

EXAMPLE OF COURSE IDENTIFIER

Prefix	Level Code (first digit)	Century Digit (second digit)	Decade Digit (third digit)	Unit Digit (fourth digit)	Lab Code
ENC	1	1	0	1	
English Composition	Lower (Freshman) Level at this institution	Freshman Composition	Freshman Composition Skills	Freshman Composition Skills I	No laboratory component in this course

AUTHORITY FOR ACCEPTANCE OF EQUIVALENT COURSES

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or non-public control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

EXCEPTIONS TO THE GENERAL RULE FOR EQUIVALENCY

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

- A. Courses not offered by the receiving institution.
- B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
- C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses, and Dissertations.
- D. Applied academics for adult education courses.
- E. Graduate courses.
- F. Internships, apprenticeships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.
- G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).

COURSES AT NONREGIONALLY ACCREDITED INSTITUTIONS

The SCNS makes available on its homepage (<http://scns.fldoe.org>) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course's transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to the Vice President for Assessment, Research and Technology in the B Building, Room B14 on the Palatka Campus or to the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the SCNS office at (850) 245-0427 or at <http://scns.fldoe.org>.

COURSE DESCRIPTIONS

ST. JOHNS RIVER STATE COLLEGE

Courses in this catalog are listed in alphanumeric order. The term "credit" as used in references to courses is equal to one semester hour. It means credit toward a degree from the College, and does not necessarily mean credit transferable to another institution. Courses offered exclusively by the Florida School of the Arts are described in the portion of this catalog devoted to the Florida School of the Arts on page 209.

- ✦ Lab fee is not required if course is taken online
- ✦ Examination fee requirements
- ◆ Meets A.A. degree requirements

BACHELOR OF APPLIED SCIENCE IN ORGANIZATIONAL MANAGEMENT

BUL 3130

Legal, Ethical and Social Aspects of Business

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course explores the nature of legal, ethical, and societal environments of business. Emphasis is placed on social, legal, political, and ethical responsibilities to both external and internal groups in business. Topics include corporate social responsibility, legal, political and ethical aspects of business, state and federal laws, contracts, intellectual property, employment law, product liability, safety issues, and environmental regulation.

CGS 4362

Organization and Information Technology Systems

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Prerequisite: CGS 1100 with a grade of "C" or better. This course provides students with an understanding and practical application in the use of electronic information systems, including organizational management of such systems. Topics will include management software, data collection, analysis, reporting and distribution, and processes for evaluating software and hardware to determine what will meet the varying needs of the organization.

DSC 3038

Preparation and Response for Terrorism/Risk

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Prerequisite: DSC 1005 or DSC 1006 with a grade of "C" or better. This course will explore the increased awareness of terrorism around the globe, including domestic terrorism. In addition this course will introduce students to the impact of natural disasters on the emergency management system. Students will study the instituting of meaningful preventative measures while significantly increasing preparedness levels. The course will also focus on the aspects of response techniques, and the development and implementation of emergency management and recovery plans are explored.

DSC 3079

Foundations of Public Safety

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Prerequisite: CCJ 1020 or PAD 1002 with a grade of "C" or better. This course will explore the history of public safety, including the roles of law enforcement, fire services and emergency management. It will examine the evolution of homeland security and the agencies involved, along with the implementation requirements and evaluation of Public Safety program effectiveness. Students will learn to research program need, budgetary requirements for program implementation, and measure crime reduction and prevention effectiveness.

DSC 3554

Critical Infrastructure

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course introduces participants to the Critical Infrastructure Protection (CIP) process to secure the effective protection of the people, physical entities, and cyber system that are critical. The CIP course will guide leaders in the systematic protection of critical infrastructures. More basically, the course will introduce decision sequence that assist leaders and future leaders in ultimately determining exactly what really needs protection as well as when. The course will introduce time-efficient and resource-restrained practice that ensures the protection of only those infrastructures upon which survivability, continuity or operations, and mission success depend.

DSC 3564

Homeland Security Threat Strategy

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course will provide the students with an understanding of the major issues associated with responding to terrorism in a democratic society. Students will learn techniques to measure, monitor and predict natural hazards. The course focuses on the threat of terrorism to the United States and presents skills necessary to develop programs to reduce losses from future disasters and other natural and man-made hazards by the use of threat analysis. The course will also assess the relative effectiveness of anti-terrorist activities.

DSC 4016

Public Safety Policy and Law

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course will include an overview of Homeland Security laws and regulations, public safety requirements and policies, privacy rights in the context of security concerns, human resource issues, organizational structure, and management priorities. Students will explore FEMA's role in the policy, law and management of man-made disasters, local and regional perspectives pertinent to criminal justice agencies will be examined.

DSC 4710

Emergency Management Capstone

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course provides a complete overview of Homeland Security and Emergency Management. During this course students will draw upon all of their complete classes and will be able to utilize the practices, techniques and skill sets.

FIN 3400

Financial Management

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Prerequisite: ACG 2021C, ACG 2071, and ECO 2013 or ECO 2023 with a grade of "C" or better. This is an introductory course in managerial finance in which the students gain a clear, basic understanding of the fundamentals of finance and its related decision-making. The course will cover all elements of organizational finance from budget development to finance management, and from procurement to accounting and auditing. A key component of the course will be the student's preparation and presentation of an organizational budget.

GEB 3113

Entrepreneurship

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. The purpose of this course is to provide an overview of the range of skills and practical knowledge needed to plan and execute an entrepreneurial venture. Topics for discussion include creativity and innovation, desirable entrepreneurial attributes, business planning, small busi-

ness strategy, accounting and financial tools, and global entrepreneurship.

GEB 3213

Advanced Business Communications

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 and CGS 1100 with a grade of "C" or higher. This course is required the first semester of the program. This course emphasizes the basics of business writing while reviewing the various kinds of written business correspondence. Students are expected to integrate business decision making and analytical thinking skills into the content. Students must be able to determine solutions to problem-based exercises.

GEB 4891

Strategic Management and Decision Making

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Prerequisite: MAN 2021 and STA 2023 with a grade of "C" or better. This course emphasizes strategic planning and strategy implementation in an organization. Students learn how to perform internal and external audits, identify problems, formulate goals and objectives, develop action plans, and evaluate the effectiveness of the outcome of the plan. Case studies are used to promote decision-making abilities.

HSA 3110

Health Administration

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course provides an introduction to the principles of health services administration. Emphasis is placed on health policy, planning, marketing, current health problems, personal health care services, bioethical decisions, and personnel. Contemporary issues and principles of health services administration, and the effects of shifts of economic, social, political, and technological forces that merge and coalesce to meet or fail to meet the changing health care and medical needs in the United States.

HSA 3113

U.S. Health Care Systems

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. An overview of the varied types of health care facilities and health delivery systems operating in the United States, their purpose, organization, need in society, general function, and staffing. Facilities such as hospitals, nursing and rehabilitation centers, health maintenance organizations, private and public outpatient clinics, and neighborhood health care centers are analyzed and discussed.

HSA 3150

Health Care Policy

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course provides students with an overview of health care policy in the United States. The course includes major health care legislation with special emphasis on the critical role of health care managers in the policy making arena.

HSA 3191

Health Care Informatics

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. A study of health information systems with focus on analysis of applications for information systems in the health care delivery system. Emphasis will be placed upon skills necessary to employ the methods used to evaluate a variety of information systems applications in the health care setting.

HSA 4170

Health Care Finance

(3 Credits - 3 Hours)

Prerequisite: ACG 2021C Principles of Financial Accounting. Prerequisite or corequisite: GEB 3213. This course would familiarize the student with one of the primary responsibilities of health care managers – financial management. This would prepare students entering middle management to be more effective and efficient in achieving the institution's goals.

HSA 4383

Continuous Quality Improvement/Risk Management Systems

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course examines various current efforts to improve quality and efficiency of health care systems. Topics range from issues of medical error reduction, quality improvements in medical records, and utilization review, to models for continuous quality improvement in physician-health care worker-client relations.

HSA 4430

Health Care Economics

(3 Credits - 3 Hours)

Prerequisite: ECO 2013 or ECO 2023. Prerequisite or corequisite: GEB 3213. This course will examine both the macro and microeconomic perspectives of health care. At the micro level, it will examine the production, marketing, distribution, pricing, and relative measures of quality of health care as it is delivered. Health care as both a public and private good will be examined contrasting and comparing private market delivery and pricing systems with the more socialistic approaches in many countries. Health care agencies and programs (Medicare, Medicaid, HMOs, PPOs, etc.) as well as topics such as the principle-agent problem, moral hazard and information problems on the demand side will be examined. On the supply side, issues such as managed care organizations, third-party payer systems, medical schooling, and malpractice insurance will be addressed. At the macro level, the course will examine the impact of health care practices on inflation, productivity, and the implications of an aging population on the national economy.

HSA 4850

Internship/Capstone Course

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Prerequisites: Senior standing or permission of the Dean. Designed to give the student direct experience in various health care settings. The experiential component allows the student an opportunity to apply newly acquired skills in an actual working situation. The areas from which students may choose are: hospitals, federal government, long-term care facilities, community health care centers, public health agencies, group practices, medical programs, volunteer agencies, mental health facilities, and others. There will be a comprehensive assessment to determine if individual students have met each of the articulated core student learning objectives.

ISM 3052

Web Programming for Information Management Professionals

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This is a course in Web application development. Students will learn how to develop Web-based applications using a current object-oriented programming language, n-tier architecture and object data sources. Topics include server and validation controls, master pages, managing state, database programming, and Web services. Students should have prior experience with programming. Knowledge of HTML and relate databases will be beneficial.

ISM 3113

Systems Analysis and Design for Information Management Professionals

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course covers a wide range of topics as they relate to systems design and analysis and software management. Topics include internet technology, systems management, interface design, programming, and the systems development life cycle.

ISM 3212

Database Management for Information Management Professionals

(3 Credits)

Prerequisite: CGS 2545 and CGS 1060 with a grade of "C" or higher. This course is designed to familiarize individuals with the process of designing relational databases. The objective is to build a working knowledge of database design techniques for both OLTP (online transaction processing) and OLAP (online analytical processing). In addition there will be hands-on instruction using software tools designed to build and utilize data warehouses.

ISM 3314**Project Management for Information Management Professionals**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course, utilizing case studies and Microsoft Office Project applications, is designed to prepare students to utilize project management concepts and techniques for use in the business environment. The course will utilize project management software using Microsoft Office Project. Students should have computer literacy with Windows operation system.

ISM 4011**Information Systems Management**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This is a course designed to prepare students in the use of information technology in the business environment. Emphasis is placed on relationships of management information systems and data processing to managerial decision-making in modern organizations. Software applications will be used for data collection and analysis in real-world making and problem solving.

ISM 4220**Networking Technology for Information Management Professionals**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Prerequisite or corequisite: CET 1600 (Networking Fundamentals) with a grade of "C" or higher. This course provides the student with an understanding of the various networking technologies as they relate to managing the business environment. Students will learn the technical issues involved in data communications, communication protocols, transmission standards and media access control methods, along with the human aspects of its management.

ISM 4900**Capstone-Management Information Systems**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Prerequisites: Graduation application submitted and approval of the dean. This course focuses on the integration of knowledge, skills and abilities learned in the Management Information Systems concentration in the program through a capstone project.

MAN 3240**Organizational Behavior**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course is a study of individual and group behavior in organizations. Students will develop an understanding of how organizations can be managed more effectively. Course content includes motivation, group dynamics, conflict resolution, goal setting and rewards, job design, work stress, power/politics, and organizational change and development.

MAN 3353**Management Theory and Practices**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course examines management theory, relevant applications and cases, self-management, teamwork, global awareness, and communication for the development of management competencies.

MAN 4120**Leadership and Group Dynamics**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Discussion and application of leadership theories including skill formation to develop leadership abilities. Team building skills are emphasized to enhance leadership effectiveness. Students learn the importance of visioning in their organizations.

MAN 4162**Customer Relations for Managers**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course examines relationship building for all customers of an organization. The impact of culture and diversity on business relationships, successful negotiation strategies, and promotion of the

organization through media relations are discussed.

MAN 4301**Human Resource Management**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course is a study of the functions of human resource management including recruitment, selection, benefits and compensation, performance evaluation, development of employees, and formulation of human resource procedures. The strategic role of human resources and current issues will be discussed.

MAN 4504**Operational Decision Making**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course focuses on operational decision-making management techniques to improve the process and productivity in organizations. Discussion of quality and outcomes, efficiency, forecasting, work-flow processes, inventory control, design of goods and services, waiting lines and critical path. Managing a project from beginning to end, including how to identify needs and define, assign and track items, is addressed.

MAN 4900**Capstone – Supervision and Management**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. Prerequisites: Senior standing or permission of the Dean. This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project.

PAD 3223**Public Sector Budgeting**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course examines the theory and practice of various approaches to budgeting, including line-item, performance, PPBS budgeting. Special emphasis is placed on the role of the budget in shaping the program, performance and policy direction of public organizations. In addition, the analytical skills and administrative techniques employed by public budget analysis will be examined, focusing on the process of generating and using information.

PAD 4232**Grant Administration and Resource Development**

(3 Credits - 3 Hours)

Prerequisite or corequisite: GEB 3213. This course will explore and analyze the proposal-writing role in the resource development process. The student will be introduced to several concepts including researching alternative resources and funding opportunities, proposal writing, implementing and managing grants, developing community partnerships and collaborations, and becoming knowledgeable in policies and procedures related to public entities.

BACHELOR OF SCIENCE IN EARLY CHILDHOOD EDUCATION

NOTE: Students enrolling in the Bachelor of Science in Early Childhood Education must be cleared by a school board background check before the end of the add-drop period prior to entering the first course. Field exposure in school settings from K-3rd grade provides students enrolled in this program with the understanding of the expectations and responsibilities of public school teachers in a K-3rd grade setting. Courses assigned which require field experience/observation hours are noted in the course description. Students will be assigned to a classroom setting designated by the Office of Teacher Education in the district of their choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EDF 3214**Human Development & Learning**

(3 Credits - 3 Hours)

This course covers the various stages of human development, learning theories,

and the application to teaching/learning situations. Identification and analysis of students' academic, physical, cognitive, emotional, motivational, and social development is emphasized with a focus on the interaction between the role of the teacher and the needs and learning styles of his or her students.

EDF 3430

Measurement, Evaluation, & Assessment in Education

(2 Credits - 2 Hours)

This course explores the basic concepts of educational measurement, instructional objectives, and student assessment techniques. Teacher candidates will learn how to strengthen the learning process through classroom assessment techniques, the interpretation of standardized tests, and evaluation of student progress using measurement results.

EDF 3604

Social and Historical Foundations of Education

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Students must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. A historical study of the educative effects of our social foundation, the social values and issues involved in appraising these effects, and the resulting social demands upon the schools.

EDF 4444

Assessment of Learning and Behavior

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Students must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course is designed to help teachers develop high quality assessment instruments for use in the classroom. Teachers will attain a knowledge of planning for assessment, testing validity and reliability, as well as distinguish the difference between norm referenced and criterion-referenced testing. Students will also learn to interpret student assessment data to identify gaps in student learning and measure student learning gains. The course will assist teachers in gaining the concepts and skills related to planning, development, administering, and interpreting assessments.

EDF 4490

Research in Educational Studies

(4 Credits - 4 Hours)

Prerequisite: Admission to the Educational Studies Bachelor's Program. This course is designed to provide an introduction to research design and to the process of reviewing, evaluating, conducting and disseminating education research.

EDF 4632

Sociology of Education

(3 Credits - 3 Hours)

Prerequisite: Admission to the Educational Studies Bachelor's Program. This course provides a sociological approach to education, from several theoretical viewpoints and their application to present educational issues, to the structure and processes that make education systems work. This course focuses on the role of school in society.

EDF 4781

Education Issues for the 21st Century

(4 Credits - 4 Hours)

Prerequisite: Admission to the Educational Studies Bachelor's Program. This course is a compendium of four concepts to enhance specific professional skills that are necessary for success as an educator: Educational Law, Principles of Professional Conduct of the Education Profession in Florida as outlined in the Code of Ethics, character education and teacher resiliency.

EDF 4810

Comparative and International Education

(3 Credits - 3 Hours)

Prerequisite: Admission to the Educational Studies Bachelor's Program. Al-

though the right to education is a fundamental human right according to the Universal Declaration of Human Rights of the United Nations Educational, Scientific and Cultural Organization, it is denied to many across the world, particularly women. This course will examine and compare educational systems in their natural contexts around the world with emphasis placed on historical, philosophical, political, cultural, and sociological perspectives on a variety of topics in global education.

EDF 4932

Senior Capstone for Educational Studies

(4 Credits - 4 Hours)

Prerequisite: EDF 4490, Admission to the Educational Studies Bachelor's Program and senior standing. This course is to be taken during the last semester of the Educational Studies program. This course is the culminating experience and is designed to assimilate the knowledge and skills developed in the Educational Studies program by completing an independent study such as a research project, case study, grant application, improvement plan, service learning project, etc. to explore a specific educational issue or problem.

EDG 3620

Curriculum & Instruction

(3 Credits - 3 Hours)

This course is an introduction to the field of curriculum and instruction. Teacher candidates will understand the principles of curriculum development and the use of instructional strategies. The foundation of this course will include the development, implementation, and evaluation of lesson plans appropriate to the specific ability level of the intended audience.

EDG 4343

Instructional Strategies

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Students must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course will provide the guidance and tools to design, teach, and reflect on classroom lessons and units using instructional strategies as a process for making teaching decisions. This course provides a setting to discuss the challenges you will face in the classroom.

EDG 4410

Classroom Management & Communication

(3 Credits - 3 Hours)

This course provides strategies for creating a safe and stimulating learning environment that encourages positive social interaction and effective communication among members of the learning community. Emphasis is placed on attitudes, language patterns, values, and behaviors to support and maintain student learning as well as on-task behavior. Additionally, this course includes methods and strategies for consulting with other school professionals and the child's family unit.

EDG 4419

Building Classroom Management and Discipline

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Students must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course focuses on principles and strategies for developing and maintaining an effective classroom environment for diverse learners. Strategies for whole class management as well as management of challenging behaviors will be explored. This course includes students' behavioral traits, teachers' obligations in discipline, organizing systems of management and a comprehensive review of outstanding strategies and tactics for effective classroom management and discipline. Participants will conduct an assessment on personal strengths and weaknesses in classroom management, as well as design a comprehensive classroom management plan.

EEC 3404**Child, Family, & Community Partnerships**

(3 Credits - 3 Hours)

This course focuses on the varying cultural contexts of young children and the development of positive collaborative relationships between teachers and families. This course guides the development of a parent involvement plan that includes effective ways to communicate with parents, conference with parents, and plan parent meetings. Additionally, this course will facilitate the development of and implementation of community involvement programs in early childhood settings.

EEC 4211**Integrated Mathematics & Science**

(4 Credits - 4 Hours)

Prerequisite: EDG 3620. This course develops an understanding and integrated application of science and mathematical concepts for the appropriate stages of cognitive development of young children. Focus is given to exploring sequential math development, identifying how concepts are developed and acquired, and promoting the young children's concept development through problem solving and assessing the child's developmental level. Additional focus given to teaching science strategies using concept development, process of inquiry, planning for fundamental concepts in science including activities for young children at the appropriate stages of cognitive development, and utilizing appropriate current technology to support teaching and learning. This course includes a field experience component. This course requires fifteen (15) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EEC 4212**Integrated Language Arts, Children's Literature, Social Sciences**

(4 Credits - 4 Hours)

Prerequisite: EDG 3620. This course develops the foundations and integrated application of language/emergent literacy, children's literature, and social sciences for the appropriate stages of cognitive development of young children. Focus is given to exploring appropriate curriculum in language arts, children's literature, and humanities with an emphasis on how learning experiences are integrated throughout the curriculum. Additional focus given to teaching strategies and activities for young children while utilizing appropriate current technology to support teaching and learning. This course requires fifteen (15) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EEC 4241**Integrated Music, Art, & Movement**

(4 Credits - 4 Hours)

Prerequisite: EDG 3620. This course promotes the skills, concepts, creativity, and enjoyment in music, art, dramatic play, and movement to create expressive learning activities for young children. The role of the teacher includes instructional strategies for integration, assessment, and concept development to encourage growth and participation for all students. This course requires fifteen (15) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EEC 4930**Senior Seminar**

(2 Credits - 2 Hours)

Prerequisite: Senior Status. Corequisite: EEC 4940. This seminar course, taken concurrently with EEC 4940, will meet for 2 hours every 2 weeks with college supervisor to discuss teaching/learning issues and develop the teacher candidate's Early Childhood Education Teacher Portfolio.

EEC 4940**Student Internship**

(8 Credits - 8 Hours)

Prerequisite: Senior Status. Corequisite: EEC 4930 and RED 4940. This course is

a full day, full semester internship with placement in a pre-kindergarten, kindergarten, or primary grade during which the teacher candidates demonstrate the ability to apply knowledge, skills, and dispositions in authentic situations under the direction of a certified classroom teacher and college supervisor in an approved setting. Teacher candidates will plan, implement, and evaluate activities relevant to the classroom setting. Teacher candidates will be observed and evaluated by the college supervisor and classroom teacher. This course requires 10 weeks in a K-3 subject area classroom with no less than 250 hours of direct teaching instruction in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. Students will spend a minimum of 45 hours in direct reading instruction (included in the 10 week internship.) The internship is completed outside of the scheduled class meeting time.

EEX 3012**Educational Needs of Students with Exceptionalities**

(3 Credits - 3 Hours)

This course provides an overview of students with specific educational needs and exceptionalities while focusing on characteristics, definitions, and prevalence of disabilities, the referral process, service delivery models, and the pedagogical approach of exceptional students. Teacher candidates will understand the history of, legal basis for, and contemporary issues in special education. Special attention will focus on the expectation that all students have learning strengths.

EEX 4034**Exceptional Learners in the Inclusive Classroom**

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Students must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course is to introduce inclusive educators to the characteristics, evaluation and identification of students with exceptionalities. This course examines current issues, legislation, education reform, strategies and interventions in working with students with disabilities, as well as effective special education service models

EEX 4604**Behavior Management for Special Needs & At-Risk Students**

(3 Credits - 3 Hours)

Prerequisite: EEX 3012. This course covers the strategies and techniques necessary for managing the physical environment and behaviors of children with special needs. The emphasis of this course will focus on behavior management and consultation skills. Teacher candidates will apply knowledge to create and maintain an on-task, safe, and healthy learning environment for learning in the exceptional and inclusive classroom.

RED 3309**Early & Emergent Literacy**

(3 Credits - 3 Hours)

This course will increase understanding of early literacy development and conditions, which promote total literacy from birth through lower elementary grades. Language theory and current research will shape informed practices regarding literacy development. Connections made among all aspects of literacy learning: reading, writing, listening, speaking, and attitude development. Additionally, this course explores and develops related activities to foster a balanced, positive, constructive attitude towards literacy in young children.

RED 4511**Intermediate Literacy: Reading & Thinking**

(3 Credits - 3 Hours)

Prerequisite: RED 3309. This course combines the theory and practice in the teaching of reading/literacy in the elementary intermediate grades. Procedures for meeting individual differences, differentiated instruction, selected use of materials, and classroom organizations will be examined. This course requires thirty (30) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

RED 4519**Diagnosis & Intervention in Reading**

(3 Credits - 3 Hours)

Prerequisite: RED 3309. This course provides diagnostic and instructional interventions in reading through formal and informal methods and materials used to identify reading strengths and weaknesses of students. Emphasis is placed on diagnosis of reading problems, administration of assessments, evaluation of results, and planning instructional interventions to remediate reading deficiencies. This course requires twenty (20) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

RED 4940**Final Reading Practicum**

(3 Credits - 3 Hours)

Prerequisite: Senior Status. Corequisite: EEC 4940. This course is the supervised reading portion of the final internship to give clinical experience in reading for the pre-service teacher. This course provides clinical experience in increasing student reading performance through the utilization of appropriate strategies and materials. This course aligns to the Florida Reading Competencies, which include language development, cognition, research-proven best practices, and differentiated instructions. Teacher candidates will work directly with K-3 teachers and students in the public schools in large group, small group, and individual settings to connect all aspects of literacy instruction. This course requires forty-five(45) hours of field experience/observation during a 3 week time period in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The 45 hours of field experience is included in the 10 weeks in a K-3 area classroom with no less than 250 hours of direct teaching instruction. The field experience is completed outside of the scheduled class meeting time.

TSL 3080**Principles & Practices of ESOL I**

(3 Credits - 3 Hours)

This course introduces issues, principles, theories, research, and best practices of teaching English to Speakers of Other Languages. The goal of this course is to develop the foundation of knowledge necessary to prepare educators to understand the concepts upon which second language acquisition are based in addition to the impact these concepts will have on instruction.

TSL 4081**Principles & Practices of ESOL II**

(3 Credits - 3 Hours)

Prerequisite: TSL 3080. This course builds on TSL 3080 with the goal to link the theory and practice for effective teaching of ESOL (English Speakers of Other Languages). The course will emphasize methods, curriculum, and assessment of ESOL students. This course requires twenty (20) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

BACHELOR OF SCIENCE IN NURSING

NUR 3065**Health Assessment**

(3 Credits - 45 Hours) Didactic 41.25 Hours, Lab 7.5 Hours

Prerequisite or corequisite: NUR 3805. This course focuses on a holistic approach to health assessment that builds on the assessment skills developed in the nurse's basic educational program. Emphasis is on assessment and analysis of self-care requisites to identify self-care deficits across the life span. Emphasis is on the process of patient interaction and use of appraisal skills in the collection of bio-psychosocial data across the life span and understanding the role of the professional nurse in analysis of health status data. The student is given opportunities to integrate theoretical knowledge into practice sessions using demonstration, medium and high fidelity simulation scenarios, deliberate practice, and reflection.

NUR 3125**Pathophysiology**

(3 Credits - 45 Hours)

Prerequisite or Corequisite NUR 3805. This course focuses on the study of pathological changes of the human body from normal to changed mechanical, physiological, and biochemical functions resulting from altered hemostasis, injury, or disease process. The course will emphasize how disrupting normal structures and functions of the human body leads to disease processes from the cellular to the multi-system level. Included is the critical examination of the mechanisms underlying signs and symptoms, complications, and prognosis of commonly occurring diseases across the lifespan.

NUR 3164**Informatics and Evidenced-Based Practice**

(3 Credits - 45 Hours)

Prerequisite/corequisite: NUR 3805. This course focuses on the integration of data, information, and knowledge through the use of information technologies to inform nursing practice. Students examine how informatics supports evidenced-based nursing practice that is safe and knowledge-based through the use of expanded access to clinical research findings and decision support tools for clinical practice. The course reviews nursing informatics theory, practice applications in care delivery and management, and emerging trends in informatics. Students are introduced to basic concepts of evidence-based practice, research processes, and critical appraisal of research and information. Legal and ethical issues in research and information utilization are explored.

NUR 3169**Applied Evidence-Based Practice in Professional Nursing Practice**

(3 credits - 45 Hours) Online - 45 Hours

Prerequisites: STA 2023, NUR 3164. This course focuses on the application of evidence-based clinical and management practices to improve the delivery and outcomes of patient care in a variety of settings. Emphasized is the use of contemporary research to inform nursing management and clinical decisions. Establishment of individual evidence-based nursing management and clinical practices and career development are examined. The student will use evidence-based practice to solve current healthcare management and clinical problems

NUR 3655**Community, Diversity, and Population-Based Care**

(3 Credit - 45 Hours) Didactic 30 hours, Clinical 45 hours

Prerequisite: NUR 3805. The focus of this course is community health nursing practices with families, aggregates, and communities. This course examines the social, economic, ethnic, and cultural influences on beliefs, values, and practices in relation to health, illness, and health-seeking behaviors. An emphasis is placed on epidemiology, population risk assessment, health promotion, risk reduction, chronic disease prevention, environmental health, vulnerable populations, contemporary health issues, and development of healthier individuals, aggregates, and communities. The role of the professional nurse in the provision of community and population-based care is explored.

NUR 3805**Professional Roles and Dimensions of Professional Nursing Practice**

(3 Credits - 45 Hours)

Prerequisite: Admission to the Bachelor of Science in Nursing. This introductory course is designed for the returning RN to facilitate the transition from the registered nurse's basic educational program to the baccalaureate level of practice. It includes an exploration of the evolution of nursing as a profession, the contemporary role of the professional nurse, and issues and theories related to professional nursing practice in dynamic healthcare environments for diverse populations. Professional writing, APA documentation, and presentations using PowerPoint are introduced. It is recommended that this course be taken first.

NUR 3826**Legal and Ethical Issues in Nursing**

(3 credits - 45 Hours) Online 45 Hours

Prerequisites: NUR 3805, NUR 3125, NUR 3065, NUR 3164. This course explores theories, models, and principles of legal and ethical decision making in clinical and in management health care delivery situations in a variety of health care settings. Clinical and nursing management decision-making dilemmas are iden-

tified and analyzed toward refining critical thinking and advocacy on the part of the nurse. This course provides the student opportunities to utilize models, processes, and ethical and legal frameworks of decision making as a foundation for clinical and leadership practices.

NUR 3837

Introduction to Nursing Management Systems

(3 Credits - 45 Hours)

Prerequisite: NUR 3805, NUR 3164. The purpose of this course is to introduce the foundations of healthcare policy, the financial structures of healthcare systems, and the accreditation and regulatory environments that have impact on nursing practice and patient care. Contemporary issues of healthcare management systems, the future of healthcare delivery, and the role of nursing to influence healthcare systems' decisions are explored. The student will examine healthcare systems that incorporate modern technology, evidence-based decision making, information and outcomes management, cost containment strategies, and the nursing core value of quality care. Topics will include financial, operational, regulatory, accreditation, quality management, and clinical aspects of management.

NUR 4894

Teaching and Learning in Nursing Practice

(3 Credits - 45 Hours)

Prerequisite: NUR 3805. This course focuses on the provision of instruction applicable to individuals across the lifespan and to small groups of learners in a variety of settings. Emphasis is placed on the supportive / educative role of the nurse to assess, develop, implement, and evaluate education related to health promotion, maintenance of wellness, disease prevention, disease management, and quality of life. Teaching and learning theories and concepts are integrated related to effective collaboration with healthcare service organizations and communities, curriculum development, contemporary instructional strategies, challenges and barriers to learning, and cultural diversity.

NUR 4949

Nursing Capstone

(3 Credits - 45 Hybrid Hours) Didactic Online 30 Hours, 45 Practicum Hours

Prerequisite: Permission of Dean of Nursing and Allied Health / BSN Program Director. The Capstone course integrates the academic and the practical knowledge acquired during the curriculum to further develop the student's application of the nursing process and critical reasoning in health promotion, risk reduction, direct and indirect care of patients, families, and aggregates in various healthcare settings. Emphasis is on resolving complex patient care problems, providing the human interface between healthcare systems and the patient, and on the professional nursing roles of care provider/coordinator, teacher, collaborator, manager and problem solver. This course includes a practicum to enhance the student's knowledge and expertise in areas of complex patient care and delivery and management. The practicum includes opportunities for scholarly inquiry, professional writing, collaboration, communication, and presentation. The student is required to demonstrate the competencies consistent with program outcomes.

BUSINESS

ACG 2021C

Principles of Financial Accounting ♦

(3 Credits - 4 Hours)

Prerequisite: MTB 1103 or MAT 1033 with a grade of "C" or better, or satisfactory scores on the math placement exam at the intermediate algebra level. The course is designed to familiarize the student with the theory, logic, and concepts used in financial accounting. Course content includes: journalizing, posting, preparing a trial balance, adjustments, corrections, and closing; preparation of the income statement, balance sheet, changes in owner's equity and cash flow statement; current assets, inventory, long-term assets and liabilities; corporate capital structure, retained earnings and financial statement analysis. Emphasis is placed on comprehension of accounting principles and concepts in addition to mastery of accounting skills.

ACG 2071

Principles of Managerial Accounting ♦

(3 Credits - 3 Hours)

Prerequisite: ACG 2021C with a grade of "C" or higher. This course is designed to familiarize the student with the theory, logic and concepts used in managerial accounting. Course content includes: job - order costing, process costing, cost-volume-profit relationships, departmental accounting, profit planning, standard costs, flexible budgets, decentralized operations, pricing, and capital budgeting decisions. Emphasis is placed on comprehension of managerial accounting principles and concepts in addition to mastery of accounting skills.

APA 2502

Payroll Tax Accounting

(3 Credits - 3 Hours)

Prerequisite: ACG 2021C with a grade of "C" or higher. This course is designed to familiarize the student with the various federal and state reporting requirements, and the concepts, laws and theories behind such reporting. Course content includes calculating overtime, gross pay, federal and state income tax withholding, FICA and Medicare withholding and other deductions from pay. The student will also learn to complete Federal forms I - 9, W - 4, W - 2, 1099 - MICS, 940EZ, 940 and 941 as well as state unemployment compensation reports.

BAN 1004

Principles of Bank/Credit Union Operations

(3 Credits - 3 Hours)

This course touches on nearly every aspect of banking / credit unions, providing a comprehensive introduction to the diversified services and operations of the banking / credit union industry today. The history, evolution and trends of banking / credit unions are explored as well as the documents, language and services of banking / credit unions.

BAN 2240

Consumer Lending

(3 Credits - 3 Hours)

This course is designed to provide accurate and authoritative information regarding consumer lending. Emphasis is placed on all types of credit including installment and single payment loans extended to individuals primarily for the purpose of buying goods and services for their personal consumption. This course also covers theory needed by students to administer the full spectrum of collection activities while simultaneously maintaining good customer relations.

BUL 1241

Business Law I ♦

(3 Credits - 3 Hours)

This is a study of the environment in which businesses operate. Consideration is given to legal and social constraints on business. The student is introduced to the judicial system; administrative, tort, and contract law; agency; business organizations; and governmental regulations.

BUL 2242

Business Law II ♦

(3 Credits - 3 Hours)

Prerequisite: BUL 1241. This is a study of legal concepts in the business and commercial setting. Substantive areas to be covered include personal property, sales, commercial paper, secured transactions, real property, and estates.

CGS 2104

Computer Accounting Applications

(3 Credits - 3 Hours)

Prerequisite: ACG 2021C with a grade of "C" or higher. This course is designed to give students experience using a computerized accounting system to enhance knowledge gained in earlier accounting courses and prepare them for the job market. Students will gain practical knowledge in generating invoices, cash disbursements, cash receipts, inventory control, accounts payable journals, customer ledgers, vendor ledgers, job order costing, fixed asset depreciation, company set-ups, and internet accounting services.

FIN 1100**Personal Finance ♦**

(3 Credits - 3 Hours)

This course includes a study of budgeting, borrowing, financial institutions, family finance, home ownership, insurance, estate planning, and the buying and selling of stocks, bonds, and mutual funds. In addition, the correlation between education and income will be discussed.

FIN 2231**Money, Banking, and International Finance ♦**

(3 Credits - 3 Hours)

This course presents a fundamental treatment of how money functions in the U.S. and world economics. Domestic Banking: Topics include the concept of money supply and the role of your bank. How the various types of financial institutions operate, the workings of monetary and fiscal policies, the functions and powers of the Federal Reserve. International Banking: Topics include fundamental, mainstay topics of international banking such as foreign exchange, collections, letters of credit, and international financing agencies.

GEB 1011**Introduction to Business ♦**

(3 Credits - 3 Hours)

This course is a study of business organization, management and ownership, Wholesaling, retailing, advertising, international trade, employee training, compensation and labor relations, financing, risk and security markets, accounting and controls, business regulations, and taxes are included in this course.

GEB 2214**Business Communications ♦**

(3 Credits - 3 Hours)

Prerequisite: Test scores at the Composition I level or completion of ENC 1101 with a grade of "C" or higher. This course is a study of the underlying principles of written and oral business and application communications for today's business world including letters, memos, and reports. Students will also practice oral communication with attention to posture, gestures and facial expression during the presentations.

GEB 2350**Introduction to International Business ♦**

(3 Credits - 3 Hours)

This course provides an overview of the cultural environment of international business and the institutions which affect business today. International economic, political and trade issues are analyzed in the context of socioeconomic goals and policies of the nations involved. Additionally, this course will focus on the fundamentals of systems of payments, balance of trade, and management operations of multinational companies. The effects of contrasting political systems on international business relationships will also be examined.

GEB 2930**Special Topics-Capstone**

(1-4 Credits - 1-4 Hours)

Prerequisite: Permission of the Director. This course is designed for students preparing to graduate and transition to employment and/or continuing education. Students will complete development of an online portfolio to include a cover letter, resume, work samples, and completion of an approved culminating project. Additionally, students will complete a job search related to their areas of interest and will apply for jobs prior to graduation.

MAN 2021**Principles of Management ♦**

(3 Credits - 3 Hours)

This is an introduction to the world of management with emphasis on the mid-manager. Topics include the fundamental knowledge base, including motivation, behavioral processes, group dynamics, organizational structure, systems, and change. The management processes reviewed include planning, leading, organizing and controlling and control. Emphasis is also placed on communication skills.

MAN 2043**Principles of Quality Management**

(3 Credits - 3 Hours)

This course is an introduction to the principles, techniques and basic tools of quality and business process improvement used by organizations. Topics include continuous process improvement, performance measures, Statistical Process Control, benchmarking, and the use of various management tools used to achieve continuous process improvements and customer satisfaction. Emphasis will be placed on understanding how the tools are implemented to aid in quality and process improvement in the supply chain.

MAN 2300**Introduction to Human Resource Management ♦**

(3 Credits - 3 Hours)

This is an introduction to the role of human resources management. Topics include the personnel management system, maximizing employee potential, organizational behavior, labor management relations, remuneration, security, and assessment research. The course may include student projects and case studies.

MAN 2500**Operations Management ♦**

(3 Credits - 3 Hours)

This course introduces students to operations management techniques including their application to functional areas of the business enterprise and operations control. Topics include the design and management of production operations, including productivity, strategy, capacity planning, location, layout, resource management, just-in-time systems, materials requirement planning, and project management. Upon completion, students should be able to demonstrate the ability to make decisions and resolve problems in an operations management environment.

MNA 2320**Human Resource Recruitment & Staffing**

(3 Credits -3 Hours)

This course introduces students to the basic principles and techniques of staffing the workplace. Students will be introduced to basic and intermediate level theories and strategies utilized in staffing, planning, recruiting, and selection. Topics covered include: job analysis, recruitment, selection, and performance assessment.

MNA 2325**Compensation & Benefit Administration**

(3 Credits -3 Hours)

This course focuses on the strategic use of compensation and benefits systems for the purposes of attracting, retaining, and motivating a competitive workforce. Major topic areas will include designing compensation systems, bases for pay, employee benefit programs, laws affecting compensation practices, and compensation challenges for various employee groups.

MAR 2011**Principles of Marketing ♦**

(3 Credits - 3 Hours)

This is a study of basic marketing principles, theory, and functions of marketing. The course is designed to provide fundamental knowledge in the field, with the foundation necessary for further study in business or marketing.

MAR 2141**International Marketing**

(3 Credits - 3 Hours)

This course focuses on marketing principles specific to international business settings. An emphasis is placed on the role of the marketing manager in the development of international marketing strategies for a variety of markets in diverse cultural and economic situations. The decision-making process in the areas of foreign market analysis, identifying target markets, product planning, product promotion, and channels of distribution is explored and analyzed.

MKA 2021**Personal Selling**

(3 Credits - 3 Hours)

This course is an introduction to the professional side of salesmanship. There is an emphasis on the role of salespeople in the free enterprise system, application of sales principles, components of the sales presentation, and an introduction to sales management, buying motives, customer approach, and sales techniques. Students are required to make a sales presentation.

MKA 2102**Retail Merchandising**

(3 Credits - 3 Hours)

This course provides an introduction to management functions unique to retail store operations, store organization, and store location and layout. Additionally, low margin retailers, shopping centers, and merchandising of products is covered. An emphasis is placed on store operations.

MKA 2511**Advertising**

(3 Credits - 3 Hours)

This course is a study of advertising as a marketing tool. It provides the knowledge of the modern advertising principles and practical application of media used in advertising from marketing, communications, consumer and legal viewpoints. Course activities will enhance skills in both advertising and personal selling. An emphasis will be placed on the creation of the message with creative design and development, media selection, sales promotion, and planning, coordinating, controlling and evaluating the market campaign.

MTB 1103**Business Mathematics**

(3 Credits - 3 Hours)

Prerequisite: Satisfactory scores on the placement examination. This course is designed to give students an understanding and application of mathematical concepts to business activities and to increase competence in the fundamental business mathematical skills. Mastery of mathematical concepts and the solving of problems involved in business: payrolls, depreciation, bank statements, interest, discounts, notes, insurance, taxes, commissions, financial statements, business stocks and bonds, annuities, and statistical data.

RMI 2110**Personal Insurance Planning ♦**

(3 Credits - 3 Hours)

The course includes methods of analysis in handling personal risk exposures, including insurance coverage alternatives. Integration of life, health and accident, property and liability, profit-sharing, and private and governmental insurance and pension programs are also included.

RMI 2212**Personal and Business Property Insurance ♦**

(3 Credits - 3 Hours)

This course provides an overview of personal and business property risks and coverages which may be used in dealing with these risks, including the underwriting, marketing and social problems associated with these coverages. Additional topics include commercial and residential fire insurance, inland marine and transportation coverages, and multi-peril contracts.

RMI 2662**Introduction to Risk Management and Insurance ♦**

(3 Credits - 3 Hours)

This course is an introduction to the principles, practices, and economics of insurance. Topics include fire, life and casualty contracts, and various types of business and contingency risks.

TAX 2002**Small Business and Individual Taxes**

(3 Credits - 3 Hours)

Prerequisite: ACG 2021C with a minimum grade of "C." This course provides students with knowledge of United States income taxation as it relates to small businesses and individuals. An historical perspective is presented, as well as the

Internal Revenue Code and the impact on small business and individuals.

TRA 2010**Transportation & Distribution ♦**

(3 Credits - 3 Hours)

This course explores the role and importance of transportation in the distribution of goods. The focus of the course will be on the infrastructure of the freight transportation system, modes of transportation, transportation regulations and public policy. Students will be introduced to the carrier cost structures, operating characteristics and policy regulations regarding each of the transportation modes.

TRA 2131**Purchasing & Inventory Management**

(3 Credits - 3 Hours)

This course provides a comprehensive introduction to the purchasing and supply chain management field. Cases cover purchasing and supply chain issues in a variety of settings, from process industries to high tech manufacturing and services as well as public institutions. Emphasis is on the purchasing process as it relates to such topics as inventory control procedures, price/cost analysis, laws and ethics, vendor selection and the development of vendor relationships.

TRA 2154**Introduction to Supply Chain Management ♦**

(3 Credits - 3 Hours)

This course provides a general knowledge of Supply Chain Management and the associated functions necessary for delivery of goods and services to customers. The course will focus on what employees and managers must do to ensure an effective supply chain exists in their organization. Students will be introduced to the following topics: overview of SCM functions such as order processing, transportation, warehousing, purchasing and inventory, E-Commerce, information flow and customer service.

TRA 2230**Warehouse Management**

(3 Credits - 3 Hours)

An introduction to the practical concepts of warehousing including the types of equipment, storage processes and systems, the technologies used to identify and track units in a warehouse, and the regulations designed to ensure safety in warehouse operations.

COMMUNICATIONS

AML 2010**American Literature I ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. AML 2010 is a study of selected American writers and literary trends from colonial times to the mid-19th century. AML 2010 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

AML 2020**American Literature II ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. AML 2020 is a study of selected American writers and literary trends from mid - 19th century to the present. AML 2020 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

AML 2601**African-American Literature I ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. A survey of African-American Literature that reflects the rich tradition of published writings created by African-American authors. In the course, students discover a variety of African-American literary genres and themes from the earliest documented records to contemporary African-American culture. This course emphasizes terminology and literary constructs necessary for the students to read and understand text, materials and written dialogues of African-American writers. The development

of appropriate skills and techniques enabling students to review and analyze written works, such as narrative, poetry, short story, and novel are stressed. AML 2601 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ASL 1140

American Sign Language I ♦

(4 Credits - 4 Hours)

This course is an introduction to the linguistic structure and conceptual vocabulary of American Sign Language as used by deaf adults. This course will emphasize the development of American Sign Language skills including receptive and expressive conversational skills.

ASL 1150

American Sign Language II ♦

(4 Credits - 4 Hours)

Prerequisite: ASL 1140 or SPA 1612 with a grade of "C" or higher. This course is a continuation of American Sign Language I and will emphasize intermediate level sign vocabulary, increasingly complex grammatical constructions, idioms, inflectional usage, and the development of intermediate receptive and expressive conversational American Sign Language skills.

CRW 2001

Creative Writing I ♦

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. An intensive course in the writing of short fiction (with brief attention to the writing of poetry and drama) of publishable quality. CRW 2001 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ENC 1101

Composition I ♦

(3 Credits - 3 Hours)

Prerequisite: College ready status, satisfactory score on a placement test, or completion of developmental reading and writing with a grade of "C" or higher or enrollment in a corequisite developmental education course as applicable. ENC 1101 is a course in essay writing and research, incorporating some review of basic grammar. It concentrates on helping students to develop skills in composing college-level expository essays and research papers. Students will learn to write essays that are unified, coherent, and grammatically correct. Learning activities are also included to help competency in information literacy, research, and documentation, critical thinking, and critical reading. The course includes practice in critical reading and analyses of texts as well as an introduction to researching and properly documenting sources. An exit grade of "C" or higher is required. ENC 1101 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ENC 1101

Honors Composition I ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program and either a satisfactory score on a placement test or completion of developmental reading and writing with a grade of "C" or higher. ENC 1101 is a course in essay writing and research, incorporating some review of basic grammar. It concentrates on helping students to develop skills in composing college-level expository essays and research papers. Students will learn to write essays that are unified, coherent, and grammatically correct. Learning activities are also included to help competency in information literacy, research, and documentation, critical thinking, and critical reading. The course includes practice in critical reading and analyses of texts as well as an introduction to researching and properly documenting sources. An exit grade of "C" or higher is required. ENC 1101 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030. This course involves significant reading, writing, discussion and student participation.

ENC 1102

Composition II ♦

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with a grade of "C" or higher. ENC 1102 is an advanced composition course with an emphasis placed on critical thinking skills, conducting academic research, and research-based writing using MLA documen-

tation. Students will practice proper and correct in-text citations, will compile a Works Cited, and will demonstrate synthesis and seamless integration of sources into their writing, with a strong emphasis on understanding and avoiding plagiarism. Students will be trained in the identification and searching of major databases found in SJR STATE electronic resources and will write several documented papers and one longer research paper. Students will make an oral presentation. Course content may focus on the main styles of argumentation or a study of literary techniques, conventions, and genres, either undertaken as a foundation for writing about and with primary and secondary sources. An exit grade of "C" or higher is required. ENC 1102 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ENC 1102

Honors Composition II ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program and ENC 1101 with a grade of "C" or higher. ENC 1102 is an advanced composition course with an emphasis placed on critical thinking skills, conducting academic research, and research-based writing using MLA documentation. Students will practice proper and correct in-text citations, will compile a Works Cited, and will demonstrate synthesis and seamless integration of sources into their writing, with a strong emphasis on understanding and avoiding plagiarism. Students will be trained in the identification and searching of major databases found in SJR STATE electronic resources and will write several documented papers and one longer research paper. Students will make an oral presentation. Course content may focus on the main styles of argumentation or a study of literary techniques, conventions, and genres, either undertaken as a foundation for writing about and with primary and secondary sources. An exit grade of "C" or higher is required. ENC 1102 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030. This course involves significant reading, writing, discussion and student participation.

ENC 2210

Technical and Professional Report Writing ♦

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with a grade of "C" or higher. A study and practice of the writing and design of documents in technical and professional discourse communities. Students will produce documents representing a number of technical genres: correspondence, reports, a proposal, a real-world project, and a final portfolio. These assignments will be taken from real-world situations and will present students with a set of rhetorical consideration constraints. This course will approach technical writing rhetorically, discussing such topics as organizational conventions, visual design, and style in the context of specific rhetorical situations. ENC 2210 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ENG 2100

Film as Narrative Art ♦

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with a grade of "C" or higher. An introduction to film as it reflects and shapes 20th and 21st century cultures. Stress is placed upon critical analysis of film's narrative structure and how that structure draws from and expands upon literary narrative. The course will also present students with an overview of film history and acquaint them with basic film techniques. ENG 2100 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ENL 2012

English Literature I ♦

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. ENL 2012 is a study of English literature from Anglo-Saxon times through the 18th century. Representative selections from each period are studied. ENL 2012 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ENL 2022

English Literature II ♦

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. ENL 2022 is a study of English literature from the close of the 18th century to the present. ENL 2022 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

FRE 1120**Beginning French I ♦**

(4 Credits - 4 Hours)

This course stresses the development of communicative and functional language use at the beginning level. This course gives the student the opportunity to develop a basic ability to read, write, speak, and comprehend modern French.

FRE 1121**Beginning French II ♦**

(4 Credits - 4 Hours)

Prerequisite: FRE 1120 with a grade of "C" or higher. This course is a continuation of FRE 1120 and stresses the continued development of communicative and functional language use at the beginning level. This course gives the student the opportunity to further develop a basic ability to read, write, speak, and comprehend modern French.

LIT 2110**World Literature I ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. LIT 2110 is a study of selected masterpieces of oriental and European literature through the period of the Renaissance. LIT 2110 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

LIT 2120**World Literature II ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. LIT 2120 is a study of masterpieces of European and American literature from neoclassic times to the present. LIT 2120 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

LIT 2182**Modern Irish Literature ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. Modern Irish Literature is a study of selected Irish writers and literary trends from 1885-present. This course is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

LIT 2330**Children's Literature ♦**

(3 Credits - 3 Hours)

Prerequisite: Completion of ENC 1102 with a grade of "C" or higher. An intensive course in the writing of children's literature with attention to creating publishable quality student works. The student will be introduced to works by various children's literature authors and illustrators. LIT 2330 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

REA 1105**College Reading and Study Skills ♦**

(3 Credits - 3 Hours)

College Ready Status; REA 0019, REA 0055, or REA 0056 with a grade of "C" or higher; or satisfactory score on placement test. A course designed to strengthen comprehension and vocabulary at the college level and to enhance academic success. Literal and critical thinking and comprehension skills are stressed, as well as vocabulary development, study skills, and reading rate.

REA 1505**College Vocabulary Study ♦**

(1 Credit - 2 Hours)

College Ready Status; REA 0019, REA 0055, or REA 0056 with a grade of "C" or higher; or satisfactory score on placement test. A course designed to strengthen vocabulary, and thereby reading comprehension, at the college level and to enhance academic success. Latin and Greek word parts, context clues, advanced dictionary usage, and the study of content area terms and concepts are stressed.

REA 2205**Critical Reading and Thinking ♦**

(3 Credits - 3 Hours)

Prerequisite: REA 1105, REA 1505, or ENC 1102 with a grade of "C" or higher or

satisfactory score on placement test. Designed for intermediate and advanced level readers, this course will offer critical reading and thinking strategies required for handling college level course work. Emphasis will be placed on analytical reasoning and interpretation of advanced reading assignments. Students will acquire techniques to assess valid and invalid support for arguments.

SPC 1608**Fundamentals of Speech ♦**

(3 Credits - 3 Hours)

A course designed to help students improve oral communication. Practice accompanied by student critiques and to self-evaluate assets and identify faults to be overcome. Attention given to effective posture, gesture, expression, and movement. Assignments are made to emphasize importance of organization, clarity, interest, and persuasion.

SPC 2511**Debate and Argumentation ♦**

(3 Credits - 3 Hours)

Prerequisite: SPC 1608 with a grade of "C" or higher. This course is designed to elevate the basic skills of speaking and reasoning to a level appropriate for intercollegiate debate. Exercises will focus on critical thinking, argumentation, and refutation. Students will study the classical theories of Aristotle and Cicero and apply the basic precepts of argumentation in formalized debate.

SPN 1015**Conversational Spanish ♦**

(3 Credits - 3 Hours)

An introductory level course in Spanish emphasizing those listening and speaking skills in Spanish necessary for travel, social, or business purposes. Students who need to complete the foreign language requirement prior to admission to the Florida State University System should enroll in SPN 1120 and SPN 1121.

SPN 1120**Foundations of Spanish I ♦**

(4 Credits - 4 Hours)

An introduction to the Spanish language for those who have little or no knowledge of Spanish. The sequence of SPN 1120/1121 presents the essential elements of Spanish grammar, vocabulary, and culture that are needed in everyday life to speak in Spanish and understand it when it is spoken at a moderate speed by sympathetic native speakers. This course includes many types of activities designed to develop basic skills in speaking, listening comprehension, reading, and writing, with the greatest emphasis placed on practicing conversation. Communicative competence is stressed. Students learn present tense conjugation (including irregular and stem-changing verbs), conjugation of reflexive verbs, the informal future, the present progressive, and use of direct object pronouns. The class is conducted mostly in Spanish.

SPN 1121**Foundations of Spanish II ♦**

(4 Credits - 4 Hours)

This course is a continuation of SPN 1120. Prerequisite: SPN 1120 with a grade of "C" or higher or permission of the Dean of Arts and Sciences. This course includes many types of activities designed to further expand the students' communicative proficiency in speaking, listening comprehension, reading, and writing, with the greatest emphasis placed on practicing conversation. Communicative competence is stressed. Students solidify and strengthen their grasp and use of regular and irregular present tense conjugations, reflexive verbs, and direct object pronouns. They learn the use and conjugation of regular and irregular verbs in the preterit versus the imperfect tense, indirect object pronouns, double object pronouns, gustar and similar verbs, the impersonal se, formal commands, and the present subjunctive. The class is conducted mostly in Spanish.

COMPUTER SCIENCE/INFORMATION TECHNOLOGY

Many computer courses require the use of content specific software. Please be sure you have access to the software to be successful in courses in which it is required.

CAP 2023

Introduction to Game Programming

(3 Credits - 3 Hours)

Prerequisite: COP 1000 with a grade of "C" or higher. During this course students will complete a ready-to-play game. This is a fast-paced, hands-on class to introduce the student to programming essentials, scripting, networking, gui, textures, and skins. Students program client and server modules; users interface; animate 3-D characters, vehicles, terrains, and environments; program sound and music; and finally play test the finished game.

CAP 2030

3D Modeling and Animation

(3 Credits - 3 Contact Hours)

Prerequisite - CGS 1060 with a grade of "C" or higher. This course provides instruction in the area of 3-dimensional computer graphics with an emphasis on 3D animation techniques. Complex 3-dimensional model spaces will be created, rendered and then animated. Concepts such as meshes generation, levels of detail, texture mapping, lighting, camera positioning, animation options and different rendering algorithms are studied in depth.

CAP 2047

User Interface Design

(3 Credits - 3 hours)

Prerequisite: COP 2224 with a grade of "C" or higher. Explores designing effective user interfaces for software applications with respect to user needs and activities. Topics include designing for device size, usability engineering, voice and natural language interface, methods of analyzing user response, interface response time and feedback, and color consideration.

CAP 2134

Database Security

(3 Credits - 3 Hours)

Course Prerequisite: CGS 1060 with a grade of "C" or higher. This course is designed to provide the student with an understanding of database security concepts and practices. The objective of the course is to provide hands-on instruction in various database tasks that relate to securing the confidentiality, integrity and availability of information that is stored in a database. The student will be able to perform administrative tasks in different database management systems, as well as manage database user profiles, privileges, and roles. Different database application security models will be explored, as will the security advantages of utilizing virtual private databases. Finally, the process of database auditing will be explored, including auditing methods using various database management systems.

CAP 2140

Data Forensics I

(3 Credits - 4 Hours)

Prerequisite: CET 2660C Network Security Essentials with "C" or higher. This course provides information on identifying inappropriate uses of corporate Information Technology resources, gathering electronic evidence of wrongdoing, securing corporate systems from further misuse, and protecting electronic evidence from intentional or accidental modification. Hands-on exercises are an integral part of the course.

CAP 2141

Data Forensics II

(3 Credits - 4 Hours)

Prerequisite: CAP 2140 with "C" or higher.

This course provides advanced hands on training in computer forensics. How to prepare for and conduct a computer investigation, use of industry standard forensics software and dealing with both legacy and modern devices and systems are covered through a series of real world exercises.

CAP 2762

Introduction to Data Mining

(3 Credits - 3 Hours)

Prerequisite: COP 2224 with a grade of "C" or higher. This course offers exploration of data mining methodologies. Topics may include decision tables, decision trees, classification rules, association rules, clustering, statistical modeling, and linear models and will focus on data warehousing, data mining and data drilling.

CET 1178C

Computer Hardware Support Essentials

(3 Credits - 4 Hours)

Prerequisite or Corequisite: CGS 1060 with a grade of "C" or higher. This course provides students with the knowledge needed to support users of personal computers in an organization. It focuses on the hardware dimension. Students are taught the skills needed to service, troubleshoot, diagnose and repair computer hardware and peripherals. Lab work includes hands on disassembly, diagnosis and repair, and reassembly of personal computers. This course prepares students for the CompTIA A+ hardware certification.

CET 1600C

Network Fundamentals

(3 Credits - 4 Hours)

Prerequisite or Corequisite: CGS 1060 with a grade of "C" or higher. This course provides the knowledge needed to support local and wide area networks in an organization. It introduces students to software and hardware used to implement modern data communications networks. The course includes these topics: network architecture, network protocols, IP addressing, subnetting, the Cisco router user interface, switching technologies and the IP routing process. This course is the first in a four course sequence designed to prepare students for the Cisco Certified Network Associate (CCNA) certification. This course is only offered at Orange Park campus.

CET 2179C

Computer Software Support Essentials

(3 Credits - 4 Hours)

Prerequisite or Corequisite: CGS 1060C with a grade of "C" or higher. This course provides students with the knowledge needed to support users of personal computers in an organization. It focuses on the software dimension, both operating systems and applications. Students are taught the skills needed to service, troubleshoot, diagnose and correct operating system problems. Lab work includes hands on work with several versions of operating systems. This lab work includes updating and installation of patches and service packs as well as updating application and utility software. This course prepares students for the CompTIA A+ Software certification.

CET 2556C

Structured Cabling Systems

(3 Credits - 4 Hours)

Prerequisite or Corequisite: CGS 1060 with a grade of "C" or higher. This course provides the knowledge needed to design, install and troubleshoot structured cabling systems. Hands-on experience working with copper and fiber optic media is provided. The course covers standards, codes and latest information on emerging trends in LAN/WAN cabling systems.

CET 2565C

Introduction to Server Operating Systems

(3 Credits - 4 Hours)

Prerequisite: CET 1600C with a grade of "C" or higher. This course covers the major concepts and mechanisms of server operating system administration. Installation, updating and maintaining, creating and administering user accounts, group accounts, group policies and print services will be covered. The latest version of Microsoft's Windows Server operating system will be used.

CET 2610C

Routing Protocols and Concepts

(3 Credits - 4 Hours)

Prerequisite: CET 1600C with a grade of "C" or higher. This course provides the knowledge needed to support local and wide area networks in an organization. It introduces students to software and hardware used to implement modern

data communications networks. The course includes these topics; router architecture, static and dynamic routing protocols, distance vector and link state routing protocols to include; RIP versions 1 and 2, EIGRP, and OSPF, Classless Inter-domain Routing (CIDR) and Variable Length Subnet Masking (VLSM), the Cisco router command line (CLI) user interface, switching technologies and the IP routing process. This course is the second in a four course sequence designed to prepare students for the Cisco Certified Network Associate (CCNA) certification. This course replaces CET 2605C. This course is only offered at Orange Park campus.

CET 2615C

LAN Switching and Wireless

(3 Credits - 4 Hours)

Prerequisite: CET 2610C with a grade of "C" or higher. This course is designed to prepare students to understand and apply LAN switching and wireless concepts. Some of the topics covered include the switched LAN architecture, basic switch concepts and configuration, Virtual LANs (VLANs), VLAN Trunking Protocol (VTP), Spanning Tree Protocol (STP), Intern-VLAN routing, and basic wireless concepts and configuration. This course is the third in a four course sequence designed to prepare students for the Cisco Certified Network Associate (CCNA) certification. This course replaces CET 2622C. This course is only offered at Orange Park campus.

CET 2620C

Accessing the WAN

(3 Credits - 4 Hours)

Prerequisite: CET 2615C with a grade of "C" or higher. This course is designed to prepare students to understand and apply the concepts of Wide Area Networks. Topics covered include; WAN technology concepts and connection options, the Point to Point Protocol (PPP), frame relay, network security, Access Control Lists (ACLs), teleworker services, IP addressing services and network troubleshooting. This course is the last in a four course sequence designed to prepare students for the Cisco Certified Network Associate (CCNA) certification. This course replaces CET 2622C. This course is only offered at Orange Park campus.

CET 2660C

Network Security Essentials

(3 Credits - 4 Hours)

Prerequisite: CET 1600C or CNT 2500 with a grade of "C" or higher. This course introduces all aspects of computer information and network security. Topics included are: risks and liabilities, types of attacks, access control and site security, firewalls, server and client security, cryptography, application program security, incident and disaster response and managing the security function.

CET 2880C

Data Forensics

(3 Credits - 4 Hours)

Prerequisite: CET 2660C with a grade of "C" or higher. This course provides information on identifying inappropriate uses of corporate Information Technology resources, gathering electronic evidence of wrongdoing, securing corporate systems from further misuse, and protecting electronic evidence from intentional or accidental modification. Hands-on exercises are an integral part of the course.

CET 2883C

Attack Prevention and Detection

(3 Credits - 4 Hours)

Prerequisite: CET 2660C with a grade of "C" or higher. This course provides an introduction to the process of penetrating a computer or network for which one has official permission to do so with the goal of determining if vulnerabilities exist and to undertake preventive, corrective, and protective countermeasures before an actual compromise to the system takes place. Topics include: Footprinting; Scanning technologies; Enumeration; Trojans, backdoors, worms, and viruses; Session Hijacking; Denial of Service; Hacking of Systems, Web Services, and Linux; Cryptography; Penetration Testing.

CGS 1060

Introduction to Computer Concepts ♦ +

(3 Credits - 3 Hours)

This is a basic computer literacy course including the history of computing, an introduction to the internet and the World Wide Web, computer and data com-

munications terminology, a survey of computer-related careers, and an overview of data processing, information systems technologies, and applications programming.

CGS 1100

Microcomputer Applications Software ♦ +

(3 Credits - 3 Hours)

This is an introductory, "hands-on," course providing students with the basic terminology and concepts to use a microcomputer (PC). Students will master the basic concepts of the current Windows-based operating system and microcomputer applications programs. Applications include word processing, spreadsheet and database management programs using Microsoft Office as the tool for teaching these concepts.

CGS 1515

Spreadsheet Concepts for Business +

(3 Credits - 3 Hours)

Prerequisite: CGS 1100 with a grade of "C" or higher. This course is an in-depth study of functions common to spreadsheet applications in the business environment. Topics include interactive spreadsheet design, financial functions, graphs, macros, menus, data import/export, and databases.

CGS 1560C

Microcomputer Operating Systems ♦

(3 Credits - 4 Hours)

Prerequisite or Corequisite: CGS 1060 or CGS 1100 with a grade of "C" or higher. This course is designed for the advanced microcomputer user. This course includes a study of functions common to microcomputer operating systems and their application to common problems in the business environment. Topics include data storage organization, data security, virus protection, task automation, and hardware management.

CGS 1580

Desktop Publishing

(3 Credits - 3 Hours)

Prerequisite: CGS 1100 or CGS 1060 with a grade of "C" or higher. This course focuses on learning effective design principles using current desktop publishing software. Publications produced include print media, such as newsletters, brochures, post cards and flyers as well as internal documents such as forms, reports, and other business documents.

CGS 1581

Microsoft Word for Windows

(3 Credits - 3 Hours)

Prerequisite: CGS 1100 with a grade of "C" or higher. Students should have some experience using a computer/keyboard. This is a beginning course in word processing designed to teach the principles, concepts and procedures in developing effective and appropriate documents. Emphasis is placed on effectively using the keyboard, and creating, transcribing, storing and printing documents. Microsoft Word software is used for this course.

CGS 2525

Presentation Technology +

(3 Credits - 3 Hours)

This course is designed to teach the principles, concepts, and techniques involved in developing effective presentations with desktop presentation graphics (Microsoft PowerPoint). Emphasis will be placed on selecting and developing the appropriate presentation graphic media to deliver the message effectively to the audience using graphs, charts, paper, transparencies, slide shows or computer graphics.

CGS 2545

Database Concepts for Business +

(3 Credits - 3 Hours)

Prerequisite: CGS 1100 or CGS 1060 with a grade of "C" or higher. This course is an in-depth study of functions common to database applications in the business environment. Topics include database design, data maintenance, report generation, advanced reporting, mailing label generation, multiple databases, and elementary programming.

CGS 2554**Introduction to Electronic Commerce +**

(3 Credits - 3 Hours)

This course is an introduction to electronic commerce technologies using their-
net. This course will address business through electronic commerce, business
opportunities, and electronic commerce funds transfer. It will include social,
ethical, and political issues associated with electronic commerce. Students will
create a simple e-commerce website.

CGS 2811C**Disaster Recovery Fundamentals**

(3 Credits - 4 Hours)

Prerequisite: CET 2660C with a grade of "C" or higher. This course provides the
essential foundation for establishing policies and procedures for the recovery
from various types of disasters affecting the information technology aspects
of an organization. The topics covered in this course include disaster recovery
policies and procedures, assessing risk, establishing responsibility for disaster
recovery within the organization, training, and updating procedures.

CGS 2820**Web Page Design and Publishing +**

(3 Credits - 3 Hours)

Prerequisites: COP 2822 with a grade of "C" or higher. This is a course in website
and Web page development. Design and management principles are presented
along with development tools. Students will design website architecture and
implement Web pages using the techniques, languages, and tools presented in
the class. Adobe software products will be used to meet course requirements.

CGS 2871**Multimedia +**

(3 Credits - 3 Hours)

This course is a comprehensive, "hands-on," introduction to multimedia. Learn
the practical application of multimedia. Students will make sense of the vast
dynamic field of multimedia. Using Adobe software products, students will de-
velop multimedia content to meet course requirements.

CGS 2930**Special Topics in Computer Studies**

(3 Credits - 3 Hours)

Prerequisite: Permission of program director. This course provides students with
the opportunity to increase their knowledge in a content area related to their
program of study. This course is designed around topics related to emerging
technologies or those of special interest to the student and instructor. Topics
may vary from semester to semester.

CGS 2949**Computer Information Technology Capstone**

(3 Credits - 3 Hours)

Prerequisite: Permission of Program Director. This capstone course is designed
for students in their final semester. Students will be required to demonstrate
their knowledge and skills applicable to their degree core competencies and
outcomes. The course provides a cooperative work experience opportunity or
directed learning activity related to the student's academic major and career
objectives.

CIS 2321**Information Systems ◆**

(3 Credits - 3 Hours)

Prerequisite: CGS 1060 with a grade of "C" or higher. This course is designed to
introduce students to the fundamental concepts of information systems. Top-
ics include the study, analysis, and design phases of the system development
life cycle, current system documentation techniques, classical and high level
fourth generation software tools/techniques, process flows, data flows, data
structures, file design, input and output designs, and program specifications.

CNT 2500**Network/Data Communications**

(3 Credits - 3 Hours)

Prerequisite or Corequisite: CGS 1060 with "C" or higher. This course provides an

introduction to data communications technology as it is applied to problems in
the business world. The emphasis of this course is computer networking software.
Subjects covered include: communication theory, the role of standards, Local
Area Network (LAN) technologies, Wide Area Networks (WAN), Network Manage-
ment, and applications such as email and groupware, Intranets, and the internet.

COP 1000**Introduction to Computer Programming ◆+**

(3 Credits - 3 Hours)

Corequisite or prerequisite: CGS 1060 with a grade of "C" or higher. As an in-
troduction to computer programming this course focuses on presenting the
fundamentals of programming to students with no prior experience. Topics
include problem solving using logic, algorithm design using pseudocode and
flow charts, structured programming, data types, operations, expressions, con-
trol flow, functions and arrays. Hands on programming exercises are completed
using a modern programming language.

COP 2220**Programming in C ◆**

(3 Credits - 3 Hours)

Prerequisite: COP 2224 with a grade of "C" or higher. This course provides an in-
troduction to the programming process. Topics in the course include types, op-
erations, expressions, control flow, i/o, functions, program structure, software de-
sign techniques, and problem solving. Course concepts are reinforced with many
programming projects throughout the term in the c programming language.

COP 2360 Programming in C#

(3 Credits - 3 Hours)

Prerequisite: COP 2224 with a grade of "C" or higher. This course introduces
the C# programming language. Topics include language syntax, data types,
arithmetic expressions, logical expressions, control structures, repetitive con-
trol structures, arrays, collections, and string manipulation. C# object oriented
programming concepts including classes, inheritance, and polymorphism are
covered.

COP 2224**Programming in C++ ◆**

(3 Credits - 3 Hours)

Prerequisite: COP 1000 with a grade of "C" or higher. This course provides stu-
dents with a working knowledge of the C++ language and object-oriented
programming. Topics include: Creating and using classes, inheritance, poly-
morphism, overloading, parameter passing, public, private and scope. The C++
language will be used both for in-class examples and student projects.

COP 2657**Introduction to Mobile App Programming**

(3 Credits - 3 Hours)

Prerequisite: COP 1000 with a grade of "C" or higher. This course provides a com-
prehensive project experience in the development of mobile applications on
popular OS platforms used on modern mobile devices. Students receive inten-
sive tutorial introductions, covering hardware capabilities and limitations, the
development environment, and the communications infrastructure used.

COP 2700**Introduction to SQL ◆**

(3 Credits - 3 Hours)

Prerequisite: COP 1000 with a grade of "C" or higher. This is a project based
course that introduces students to SQL and the design and creation of object-
oriented databases. Topics include storing, retrieving, updating and displaying
data using structured query language.

COP 2701**Advanced Database Concepts in Programming +**

(3 Credits - 3 Hours)

Prerequisite: CGS 2545 with a grade of "C" or higher. This course is designed to
familiarize individuals with modern database technologies. Students will com-
plete a series of database application projects using enterprise database soft-
ware. Topics include advanced database design, entity-relationship modeling,
the Structured Query Language (SQL) including database DML and DDL func-

tions, database query optimization, triggers, and elementary stored procedures.

COP 2800

Java Programming ♦ +

(3 Credits - 3 Hours)

Prerequisite: COP 1000 with a grade of "C" or higher. A hands-on course in programming with the Java language. Students will create Java applications with emphasis on object-oriented programming techniques. Topics include classes, class versus instance properties and methods, expressions, abstraction, encapsulation, arrays, the use of existing classes as provided in the current version of the Java API and the Unified Modeling Language class diagram notation.

COP 2801

Programming in JavaScript +

(3 Credits - 3 Hours)

Prerequisites: COP 1000 and COP 2822. This course teaches students JavaScript - a language which extends HTML to produce dynamic Web pages. Students will learn JavaScript syntax and common applications such as form validation, popup menus, rollover effects and CGI interfaces. Dynamic Web page creation will also be covered.

COP 2805

Advanced Java programming +

(3 Credits - 3 Hours)

Prerequisite: COP 2800 with a grade of "C" or higher. This is a hands-on advanced object-oriented programming course focused on object-oriented software design and Unified Modeling Language class diagram notation. Topics include inheritance, multiple inheritance, interfaces, polymorphism, graphical user interfaces, Applets, and the use of existing classes as provided in the current version of the Java API. Students will develop object-oriented software throughout the semester.

COP 2822

Web Page Authoring ♦ +

(3 Credits - 3 Hours)

Corequisite or Prerequisite: CGS 1060 or CGS 1100 with a grade of "C" or higher. This course covers the use of browser software to search, navigate, and view World Wide Web (WWW) pages. Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) will be used in the creation of Web pages.

COP 2830

Web Programming Languages ♦ +

(3 Credits - 3 Hours)

Prerequisite: COP 1000 and COP 2822. This is a survey course of the major languages used to build websites including XHTML, PHP, MySQL and other current scripting languages. Students will learn the basic history and syntax as well as fundamentals in programming techniques and applications. Adobe software products will be used to meet course requirements.

COP 2837

Introduction to Programming with Visual Basic.NET +

(3 Credits - 3 Hours)

Prerequisite: COP 1000 with a grade of "C" or higher. This course is an introduction to .NET programming using Microsoft Visual Basic using an Integrated Development Environment (IDE). Topics include problem analysis, GUI design, coding, debugging, and testing, as well as the programming process and common software tools.

CTS 2111C

Linux Network Administration

(3 Credits - 4 Hours)

Prerequisite: CET 1600C or CNT 2500 with a grade of "C" or higher. This course covers the skills needed to effectively administer Linux workstations and servers. Students will plan, install, maintain, troubleshoot and repair Linux operating system services.

CTS 2155

Customer Support Operations

(3 Credits - 3 Hours)

Prerequisite: CGS 1060 Intro to Computer Concepts or CGS 1100 with a grade of "C" or higher. This course is designed for computer information technology majors and covers the business, technical, and interpersonal skills needed to succeed in a help desk setting. It addresses all major aspects of help desk operations including customer support, processing and resolving incidents, and knowledge management.

DIG 1109

Digital Imaging Fundamentals ♦

(3 Credits - 3 Hours)

This project based course introduces students to the fundamental tools and techniques of creating digital images. Students will explore the use of modern computer software as a creative tool. Emphasis will be placed on color theory, image manipulation, compositing, image capture, digital illustration, typography, and vector graphics.

DIG 2101

Advanced Web Design

(3 Credits - 3 Hours)

Prerequisite: COP 2822 Web Page Authoring with a grade of "C" or higher. This project based course will allow students to explore advanced concepts in web design dealing specifically with the issues involved in creating interactive websites. Current industry software and techniques will be used to develop pages that contain interaction, animation, sound, and video.

DIG 2561

Managing Technical Projects

(3 Credits - 3 Hours)

Prerequisite: CGS 1060 & COP 2822 with a grade of "C" or higher. This course teaches the student the theory necessary to manage the creative and technical aspects of multimedia project development from visualization to completion. The student will learn how to visualize, schedule, budget, procure, track and evaluate resources for multimedia projects.

ETS 1542

Programmable Logic Controllers I

(3 Credits - 3 Hours)

Prerequisite or Corequisite: ETS 1603C. This first course in programmable logic controllers (plc), is designed for students preparing for careers in electronics, manufacturing, electrical or industrial technology. Students learn the basic operational concepts common to PLCs, focusing on plc principles, programming, numbering systems, data manipulation, and math and sequencer instructions.

ETS 1603C

Fundamentals of Robotics

(3 Credits - 4 Hours)

This introduction course in Robotics Technology uses the LEGO® MINDSTORMS®. MINDSTORMS NXT Education is the next generation in educational robotics, enabling students to discover science, technology, engineering and mathematics in a fun, engaging, hands-on way. By combining the power of the LEGO building system with the LEGO MINDSTORMS Education technology, students can design, build, program, and test robots. Students will develop programming skills using National Instruments software.

ETS 2544C

Programmable Logic Controllers II

(3 Credits - 3 Hours)

Prerequisite: COP 1000 with a grade of "C" or higher. A course in PLC instructions and advanced process control routines as used in the manufacturing process and controlled by PLC's. Open and closed loop systems will be introduced together with PID (Proportional Integral Derivative), control, including feedback and control performance.

ETS 2604C

Robotics Application (3 Credits - 3 Hours)

Prerequisite: COP 1000 with a grade of "C" or higher. This course is designed to

introduce the student to the basic principals of robots including classification, operation, maintenance, troubleshooting, and applications in the robotics industry. Students will use hands-on practices to become familiar with sections of a robotic system.

GIS 1040

Introduction to Geographic Information Systems I ♦

(3 Credits - 3 Hours)

Corequisite: CGS 1060. Intro to Computer Concepts. This course is designed to introduce the student to the uses of Geographic Information Systems (GIS). The objective of the course is to provide hands-on instruction in spatial data exploration, map creation, data editing, and analysis. This is an entry level course that assumes no prior knowledge of GIS. Topics will include the application of GIS to various fields, the use of different tools to explore and modify spatial data, and the analysis of spatial data to answer real-world questions.

GIS 1042

Introduction to Geographic Information Systems II

(3 Credits - 3 Hours)

Prerequisite: GIS 1040 with a grade of "C" or higher. This course will build upon the student's fundamental knowledge of GIS gained in the prerequisite course. The student will learn how to implement geographic concepts in GIS systems. The course will provide the student with the fundamentals of computing and information science systems and cartography. It will introduce the student to the theory and practice of computer-aided cartography. In addition, the student will delve more deeply into data representation, manipulation and presentation.

GIS 1047

Applications of Geographic Information Systems

(3 Credits - 3 Hours)

Prerequisite: GIS 1042 with a grade of "C" or higher. This course will build upon the student's fundamental knowledge of GIS gained in the prerequisite courses. In this course students will use the principles of GIS learned in GIS I and GIS II and apply them to individual and/or group projects.

OST 1145

Keyboarding

(3 Credits - 3 Hours) This course is nontransferable.

This course is designed to teach students how to focus on learning or reviewing the alphabetic and numeric keyboard including the 10-key pad for numeric data.

OST 1355

Electronic Records Management

(3 Credits - 3 Hours) This course is nontransferable.

Insight into the storage of records in business—both manual and electronic with emphasis on ARMA rules of organization. Microsoft Access database software is used to update and manage files and create reports.

OST 1435

Legal Terminology

(3 Credits - 3 Hours) This course is nontransferable.

This course is designed to give meaning to terms used in the legal profession and in business documents. Students learn the terminology naturally through reading about the law, use of the terms in preparing documents and completing course assignments.

OST 1581

Professional Development in the Work Environment

(3 Credits - 3 Hours) This course is nontransferable.

This course is designed to provide techniques for the development of people skills essential for job success. Topics include developing a professional image, ethics, time management, human relations and communications skills, organizational dynamics, employability skills, conflict management skills and money management.

OST 1811

Desktop Publishing

(3 Credits - 3 Hours) This course is nontransferable.

This course focuses on learning effective design principles using current desk-

top publishing software. Publications produced include print media, such as newsletters, brochures, post cards and flyers as well as internal documents such as forms, reports, and other business documents.

OST 2431

Legal Office Procedures

(3 Credits - 3 Hours) This course is nontransferable.

Prerequisite: OST 1435 with a grade of "C" or higher. This course is a study in legal office procedures with a focus on the preparation of legal documents. The course includes a review of the appropriate use of communication technology, law office structure and organization, and professional relationships.

OST 2611

Medical Transcription I

(3 Credits - 3 Hours) This course is nontransferable.

Prerequisite: HSC 1531 with a grade of "C" or higher. This is a study in medical office procedures with a focus on the preparation of medical documents and transcription. Students produce a variety of medical reports typical of an entry-level medical transcriptionist. Basic knowledge, understanding, and skills are developed through transcription of a variety of medical reports. Significant independent work is done by the student.

OST 2612

Medical Transcription II

(3 Credits - 3 Hours) This course is nontransferable.

Prerequisites: OST 2611 with a grade of "C" or higher. This is an advanced study of the medical transcription processes of hospitals and ambulatory health care settings through a hands-on approach. Emphasis is placed on developing the transcriptionist's "ear" with a resultant increase in speed and accuracy. Style guidelines of the AAMT are emphasized. Medical vocabulary is expanded with a special emphasis on disease processes, surgical procedures, and diagnostic and pharmacological treatments.

OST 2850

Microsoft Office Professional +

(3 Credits - 3 Hours) This course is nontransferable.

Prerequisite: CGS 1100 with a grade of "C" or higher. This is a project-based course with a focus on advanced projects that integrate MS Word, Excel, Access, PowerPoint, and Outlook.

CRIMINAL JUSTICE AND PUBLIC SAFETY

CCJ 1020

Introduction to Criminal Justice ♦

(3 Credits - 45 Contact Hours)

This course is intended to introduce the student to the American criminal justice system and process. It describes the formal components of the criminal justice system, their history of involvement, and their operations. The focus throughout is on people: the criminal offenders, the professional members, and the role of the public. The course also deals with the interaction of the members of this system with each other, the problems that exist to circumvent full cooperation between the sub-systems, and potential solutions to these problems.

CCJ 2500

Juvenile Delinquency

(3 Credits - 3 Hours)

An analysis of the criminal justice system as it relates to juveniles. Major topics include: police practices (such as detention, searches and interrogation) when dealing with juveniles, court procedure in juvenile cases and different theories of juvenile rehabilitation.

CCJ 2647

Organized Crime

(3 Credits - 3 Hours)

This course explores criminality undertaken by groups of individuals strategically associated for the purpose of criminal activity. It's designed to introduce students to an understanding of what organized crime is - its history, evolution

and the criminal enterprises that make up organized crime. Attention is given to the cooperation between the government and organized crime as well as the legal response to this form of criminal activity. Theoretical explanations of organized crime are explored as well as the interplay between organized crime, terrorism, international crime and technology.

CJC 1000

Introduction to Corrections ♦

(3 Credits – 45 Contact Hours)

This course is intended to provide the student with a comprehensive overview of the history, philosophy and practices of corrections. Concepts to be considered will include punishment, imprisonment, probation, parole and treatment, organization and management of the institutions.

CJE 1000

Introduction to Policing ♦

(3 Credits – 45 Contact Hours)

This course will present and analyze how police operate in America. This course will explain the mystique and misunderstanding surrounding police work and the hostility, controversy and resentment the profession generates. We will discover who police are and who they are not, what they can and cannot do and finally why their exact role in society remains so unclear.

CJE 2112

Police Administration

(3 Credits – 45 Contact Hours)

This course presents the principles of organization and administration in law enforcement including functions and activities, planning and research, public relations, personnel and training, inspection and control, records and communications and custody.

CJE 2400

Police Community Relations

(3 Credits – 45 Contact Hours)

The study of the relationship of law enforcement agencies to the surrounding community and examines the effect of social change and the consequences that it produces upon law enforcement, corrections and the courts.

CJE 2600

Fundamentals of Criminal Investigations ♦

(3 Credits – 45 Contact Hours)

A study of the fundamentals, principles, concepts, theory, and history of investigation. The course will cover investigative methods and techniques, case preparation, developing of leads, gathering of information, and collection and preservation of evidence.

CJE 2640

Introduction to Forensics - Crime Scene ♦

(3 Credits – 45 Contact Hours)

The student is taught the scientific aspects of criminal investigations known as criminalistics from both an on-scene and in the crime laboratory standpoint.

CJE 2790

CJST CMS LE Bridge Course

(3 Credits - 45 Contact hours) This course is nontransferable.

This bridge course is designed to add independent study, critical thinking, refec-tion and analysis of course material presented in the CJST CMS LE BASIC Program. The additional course work (ex. Research papers) goes beyond what was learned in the LE Basic program to expand the students' knowledge in area of Constitutional Law, Criminal Evidence and Court Procedures, Introduction to Forensics, and Understanding Terrorism to add college level credit in alignment with the Associate of Science in Criminal Justice degree at St. Johns River State College.

CJK 0001

Introduction to Law Enforcement

(10 Contact Hours) This course is nontransferable.

This training provides an understanding of the roles and responsibilities of the Criminal Justice Standards and Training Commission and the requirements for certification as a law enforcement officer in the state of Florida. This course also

provides instruction on; values and ethics required for criminal justice officers, the consequences of sexual harassment, the definition of the criminal justice system, and the structure of criminal justice agencies

CJK 0012

Legal

(62 Contact Hours) This course is nontransferable.

This training provides an understanding of; the Fourth Amendment related to search and seizure, what constitutes a lawful arrest, the Fifth and Sixth Amendments related to the interrogation of suspects, when a crime has been committed and the elements necessary to make an arrest for that crime, and the legal rules and concepts of evidence. This course also provides instruction on; the legal justification for the use of force, civil and criminal liability related to an officer's performance of duties, an officer's duties and options in civil (noncriminal) incidents, and the legal considerations when dealing with juveniles

CJK 0013

Interactions in a Diverse Community

(62 Contact Hours) This course is nontransferable.

This training provides an understanding of; how to effectively and professionally deal with people in a variety of circumstances, interacting with an individual with physical or developmental disabilities and provide the most appropriate intervention, veterans in crisis and available resources available to veterans, persons exhibiting signs of mental illness and how to use the Baker Act for an involuntary examination, and an understanding of people threatening suicide and the services to stabilize the situation. This course also provided information on how to interact with juveniles, people suspected of substance abuse, the elderly, and the homeless.

CJK 0014

Interviewing and Report Writing

(56 Contact Hours) This course is nontransferable.

This training provides an understanding of; how to prepare and conduct basic interview, identify types of reports, forms, and logs, including used by law enforcement, and how to organize and write effective law enforcement reports.

CJK 0020

CMS Law Enforcement Vehicle Operations

(48 Contact Hours) This course is nontransferable.

This course is intended to develop the proactive skills and principles of driving needed to operate a law enforcement vehicle safely during the day or at night. Further, student learning will focus on the ability to drive in an emergency mode, communicate with dispatch, and remain aware of the actions of other drivers, all of which present complexities not experienced in normal driving. Instruction will also center on the officer's awareness of the effects of physiological and psychological stressors on his or her driving, how the public views law enforcement drivers, and how to recognize and understand both the vehicle's and officer's limits. Moreover, students will be provided instruction on the basics of interior and exterior law enforcement vehicle inspection on the officer's assigned vehicle. Students will be required to pass a vehicle operations proficiency practicum.

CJK 0031

CMS First Aid for Criminal Justice Officers

(40 Contact Hours) This course is nontransferable.

This course emphasizes the responsibilities of a criminal justice officer in providing basic first aid at the scene of a medical emergency until EMS can arrive. Further, specific training will include preparing for and responding to emergencies at which basic first aid training may be needed. Moreover, students will be made aware of trauma-related and medical-related issues, scene stabilization and safety and legal guidelines. Students will be required to pass a first aid proficiency practicum.

CJK 0040

CMS Criminal Justice Firearms

(80 Contact Hours) This course is nontransferable.

This course includes firearms safety procedures and basic handling procedures for the handgun (revolver and semiautomatic pistol), shotgun, and semiautomatic rifle/carbine, to include component parts and function. Also included

are fundamentals of marksmanship, identification and maintenance of ammunition, loading and unloading of firearms, malfunctioning weapons, and the cleaning of weapons. Further, instruction will be given on the use of cover and survival shooting. Because students are to attain proficiency in marksmanship and in safely using, handling, and maintaining weapons, a proficiency practicum will be required for both the pistol and shotgun.

CJK 0051

CMS Criminal Justice Defensive Tactics

(80 Contact Hours) This course is nontransferable.

This course offers students effective, tactically sound, and medically and legally defensible training in defensive tactics and control techniques. Further, it teaches students to select and properly execute techniques that are reasonable and necessary given the circumstances and factors of a situation. As a required portion of the course, training will include exposure to a chemical agent. Also, because students are expected to attain proficiency in the techniques and in the use of force guidelines, a comprehensive practicum will be administered.

CJK 0064

Fundamentals of Patrol

(35 Contact Hours) This course is nontransferable.

This training provides practical skills that will assist new law enforcement officers in creating a BOLO, responding to a call, approaching a suspect, setting up a perimeter, conducting a building search, making an arrest, transporting a prisoner, and processing the prisoner at a detention facility in a professional and safe manner. The training covers use of radio equipment, the uses of FCIC/NCIC/NLETS and other electronic database resources, community-oriented policing and the SARA problem-solving model, officer safety issues, and how to manage stress.

CJK 0065

Calls for Service

(36 Contact Hours) This course is nontransferable.

This training provides practical skills that will assist new law enforcement officers in responding to calls for service, enforcing parking regulations and directing vehicle traffic. The training covers various calls for service, including well-being and security checks, building alarms, environmental hazards, transportation requests, animal complaints, death notifications, and special event security. This course also provides information on how to respond to court orders, responding to disturbances, and responding to people in crisis.

CJK 0077

Criminal Investigations

(50 Contact Hours) This course is nontransferable.

This training provides practical skills that will assist new law enforcement officers in conducting an initial investigation of crimes against persons, society, property, and economic crimes in a professional and safe manner.

CJK 0078

Crime Scene to Courtroom

(35 Contact Hours) This course is nontransferable.

This training provides practical skills that will assist new law enforcement officers in processing a crime scene, conducting a follow-up investigation, and testifying in various types of court proceedings in a professional manner. The training covers Surveying and Protecting the Crime Scene, securing victims and witnesses, documenting the crime scene, and evidence handling procedures. This course also provides information on reviewing initial information and pursuing leads, conducting photo line-ups, gathering information on suspects and searching for wanted persons.

CJK 0084

DUI Traffic Stops

(24 Contact Hours) This course is nontransferable.

This training provides practical skills that will assist new law enforcement officers in identifying signs of alcohol and/or drug impairment, conducting a safe traffic stop, conducting a Standardized Field Sobriety Tests, and then making an arrest for DUI. The training will inform students how to identify the DUI laws and related legal issues, follow the three-phase process of a DUI contact, make an arrest decision based on specific clues, and provide clear and convincing evidence of DUI in court testimony.

CJK 0087

Traffic Stops

(30 Contact Hours) This course is nontransferable.

This training provides practical skills that will assist new law enforcement officers in conducting safe traffic stops in a professional manner. The training will inform students how to safely pull over a vehicle, identify the violation, obtain the necessary identification, and accurately complete all required documentation. Topics include; Traffic Law, Conducting Professional Traffic Stops, Unknown Risk Traffic Stops, and High Risk Traffic Stops.

CJK 0088

Traffic Crash Investigations

(32 Contact Hours) This course is nontransferable.

This training provides practical skills that will assist new law enforcement officers in responding to, investigating, and taking appropriate actions at a Traffic Crash. The training will cover the following topics; traffic crash investigations terms and legal considerations, securing and preserving a crash scene, obtaining pertinent information regarding a crash, establishing; evidence, area of collision, cause of crash, and taking measurements, returning a crash scene to normal and taking appropriate enforcement action, and completing a crash report.

CJK 0092

Critical Incidents

(44 Contact Hours) This course is nontransferable.

This training provides an understanding of; the Incident Command System and the National Incident Management System, emergency response plans and an officer's duty-to-act requirement, proper response to a WMD and explosive incident, hazardous materials incident response, and methamphetamine manufacture. This course also provided information on Active shooters, Natural disasters, and chemical, biological, radiological, nuclear, explosive weapons (CBRNE).

CJK 0096

Criminal Justice Officer Physical Fitness Training

(60 Contact Hours) This course is nontransferable.

This course introduces the concept that certain areas and levels of physical fitness are necessary for performing the essential functions of a law enforcement officer. Besides training in certain types of exercises, instruction will include elements of nutrition, weight control, and stress management. In order to assist the College and the student with the improving of overall physical fitness, there will be two required assessments, one at the beginning of the course, and one at the end. The following physical components will be assessed both times: vertical jump, one minute sit ups, 300 meter run, maximum push-ups, and the 1.5 mile run.

CJK 0132

Private Security Officer

(40 Contact Hours) This course is nontransferable.

This course prepares students to meet the certification requirements for an Unarmed Private Security Officer (Class "D" License). In this course students will learn the fundamentals of security such as legal issues, crime and accident prevention, basic emergency first aid, ethics and professional conduct, patrol techniques, observation techniques and report writing, interviewing techniques, fire detection and suppression, emergency procedures and terrorism awareness. Upon successful completion of the course, students may apply to the State of Florida for the Security Officer Class D (Unarmed) License.

CJK 0134

Armed Private Security Officer

(28 Contact Hours) This course is nontransferable.

This course prepares students to meet the certification requirements for an Armed Private Security Officer (Class "G" License). In this course, the students will learn the fundamentals and responsibilities of armed security such as legal aspects of the use of firearms, civil and criminal liability, operational firearms safety, firearms mechanical training, and firearms range qualification. Upon successful completion of the course, students may apply to the State of Florida for the Armed Security Officer Class G License.

CJK 0200**Overview of Corrections**

(14 Contact Hours) This course is nontransferable.

This course provides information pertaining to the topics and courses to be taught in the cross-over program. The cross-over program is made up of both specific lessons and entire courses from the Florida CMS Correctional Basic Recruit Training Program, version 2014.07. The Criminal Justice Standards and Training Commission has established basic recruit cross-over training programs to provide lateral movement of officers between criminal justice disciplines. Applicants to cross-over programs must meet the requirements of 11B-35.002(6), Florida Administrative Code.

CJK 0204**Law Enforcement Cross-over to Correctional Introduction**

(59 Contact Hours) This course is nontransferable.

This course was established to provide lateral movement of officers between criminal justice disciplines. It introduces the law enforcement officer, who wants to become a correctional officer, to the history and philosophy of corrections. Further, it describes the role, rights, and responsibilities of the correctional officer, the rights and responsibilities of the inmate, and the interaction between them. Moreover, the course gives awareness of, and instruction in the handling of certain crimes and incidents specific to a correctional setting.

CJK 0205**C/O Responding to Incidents and Emergencies**

(12 Contact Hours) This course is nontransferable.

This course provides information on how to identify and interpret the response to an emergency. This course also describes the elements of an emergency plan and level of response.

CJK 0212**Cross-over Correctional to Law Enforcement CMS High-Liability**

(8 Contact Hours) This course is nontransferable.

Course is designed for the certified corrections officer(s) to cross over to law enforcement. This course focuses on high liability areas containing the following LE course material: CJK 0031C prepares prospective officers to apply basic first aid knowledge and techniques to emergencies. CJK 0040C includes firearms safety procedures; use of deadly force; and basic handling procedures for the handgun (revolver and semiautomatic pistol), shotgun, and semiautomatic rifle/carbine, including component parts and their function. It also covers the common types of ammunition used in law enforcement; ammunition components; and the use of various types of ammunition for handguns, shotguns, or rifles. The recruit will attain proficiency in marksmanship and in safely using, handling, and maintaining certain designated firearms.

CJK 0293**Overview of Law Enforcement**

(64 Contact Hours) This course is nontransferable.

This training provides an understanding of the roles and responsibilities of the Criminal Justice Standards and Training Commission and the requirements for certification as a law enforcement officer in the state of Florida. This course also provides instruction on; values and ethics required for criminal justice officers, and criminal and constitutional law.

CJK 0295**Correctional Cross-over to Law Enforcement Officer Wellness**

(35 Contact Hours) This course is nontransferable.

The goal of this course is to prepare recruits physically to perform the duties of a law enforcement officer. Students are required to participate in the total number of wellness hours associated with this crossover-training program.

CJK 0296**Interviewing and Report Writing**

(32 Contact Hours) This course is nontransferable.

This training provides an understanding of; how to prepare and conduct basic interview, identify types of reports, forms, and logs, including used by law enforcement, and how to organize and write effective law enforce-

ment reports.

CJK 0297**Interactions in Crisis Situations**

(10 Contact Hours) This course is nontransferable.

This training provides an understanding of; how to effectively and professionally deal with people in a variety of circumstances, interacting with an veterans in crisis and available resources available to veterans, persons exhibiting signs of mental illness and how to use the Baker Act for an involuntary examination, and an understanding of people threatening suicide and the services to stabilize the situation. This course also provided information on how to deal with criminal gangs and extremist groups.

CJK 0300**Introduction to Corrections**

(32 Contact Hours) This course is nontransferable.

This training provides an overview of the correctional officer training program and the requirements for becoming a certified officer. This will also help to provide a legal basis from which students may begin to function as correctional officers and gives instruction on basic criminal justice values, ethics, and ways to demonstrate professionalism when interacting with others.

CJK 0305**CJSTC Communications**

(40 Contact Hours) This course is nontransferable.

This training provides practical communication skills that will assist new correctional officers in managing and supervising inmates, giving directions, answering questions, and interacting with others in a professional and safe manner. The training covers interpersonal communications, telecommunications, interviewing, note taking, and report writing.

CJK 0310**Officer Safety**

(12 Contact Hours) This course is nontransferable.

This course gives an overview on safety and security concerns, identification, manipulation and deception, contraband, and searches; all issues that correctional officers must manage daily.

CJK 0315**Facility and Equipment**

(8 Contact Hours) This course is nontransferable.

This course provides correctional officers with a basic knowledge of standard equipment used, including weapons, hazardous materials, and sensitive supplies needed to keep correctional facilities clean, safe, and secure.

CJK 0320**Intake and Release**

(18 Contact Hours) This course is nontransferable.

This course provides correctional officers with a basic knowledge of intake, classification, and release processes used by county and state facilities.

CJK 0325**Supervising in a Correctional Facility**

(40 Contact Hours) This course is nontransferable.

The purpose of this course is to train the officer by developing supervisory and observational skills, practicing officer safety, and following the policies and procedures of his or her agency. This will enable the officer to ensure the safe operation of a correctional facility while fulfilling his or her responsibilities.

CJK 0330**Supervising Special Populations**

(20 Contact Hours) This course is nontransferable.

The course provides the officer with the basic knowledge of special population groups that they may encounter and the need to make special considerations when supervising these groups due to the individual characteristics. The officer should be aware of these special populations and respond appropriately when interacting with and supervising them.

CJK 0335**Responding to Incidents and Emergencies**

(16 Contact Hours) This course is nontransferable.

The purpose of this course is to teach correctional officers on how to apply knowledge, training, and reasonable judgement to ensure the safety and security of all persons at the facility during an emergency.

CJK 0340**Officer Wellness and Physical Abilities**

(30 Contact Hours) This course is nontransferable.

The purpose of this course is to provide the correctional officer with a structured physical fitness program that will educate the officer on the benefits of achieving and maintaining wellness and fitness.

CJK 0354**Cross-Over to Correctional Officer Wellness**

(12 Contact Hours) This course is nontransferable.

The goal of this course is to prepare recruits physically to perform the duties of a correctional officer. Students are required to participate in the total number of wellness hours associated with this crossover training program.

CJK 0392**Cross-Over Handgun Transition Course**

(24 Contact Hours) This course is nontransferable.

This course is part of the following basic recruit training programs for criminal justice officers:

- Correctional Officer Cross-Over Training to Florida Law Enforcement Academy, CJSTC Program 1192
- Law Enforcement Officer Cross-Over Training to Florida CMS Correctional Basic Recruit Training Program, CJSTC Program 1191

CJK 0393**Crossover Program Updates**

(8 Hours) This course is nontransferable.

This course is designed for instructors to deliver expanded or updated instruction on curriculum topics contained in this cross-over program, e.g., new techniques in a high liability area or application of relevant case law. The eight hours may be distributed as needed throughout the program.

CJK 0422**Dart - Firing Stun Gun**

(8 Contact Hours) This course is nontransferable.

This course will introduce the student to the basics of the stun gun, particularly the dart-firing stun gun. Further, the course will provide knowledge of its practical and safe use. At the end of the course, students should be able to safely operate and maintain a dart-firing stun gun and document its use. Moreover, there are role-play practicums that are a required portion of this course.

CJL 1062**Constitutional Law ♦**

(3 Credits – 3 Hours)

A study of the U.S. Constitution and Bill of Rights. Major focus on current constitutional issues and the need/goal to ensure individual liberties while promoting public order and security. Special emphasis on constitutional rights of citizens, including the criminally accused, and the constitutional limits placed on police/government power.

CJL 1100**Criminal Law ♦**

(3 Credits – 3 Hours)

This course describes the purpose of criminal law. Emphasis will be on Florida criminal law and statutory offenses to include crimes against persons and property. Concepts of constitutional law will be included, especially in terms of court decisions and their impact on criminal procedures in Florida.

CJL 1102**Criminal Evidence and Court Procedure**

(3 Credits – 3 Hours)

An examination of the rules governing admissibility of evidence, specifically as

they affect the law enforcement officer in the processes of arrest, use of force, search and seizure, presentation and custody of evidence, testimony and court procedure.

DSC 1005**Understanding Terrorism**

(3 Credits – 3 Hours)

This course provides the students with an overview of terrorism and how it can affect business and private security. Students will learn the meaning of terrorism, its history, the types of terrorism, the weapons employed in terrorism, and what countermeasures a business, organization, or individual can employ against terrorism.

DSC 1006**Introduction to Homeland Security ♦**

(3 Credits – 3 Hours)

A study of the new paradigm of Homeland Security for first responder practitioners. The course will cover the 911 event, lessons learned and the different disciplines of law enforcement, fire rescue, emergency management, and health.

PAD 1002**Introduction to Public Administration**

(3 Credits – 3 Hours)

A general introductory course in public administration, this course introduces students to the role of bureaucracies in modern society in the formulation and implementation of public policy. This course provides students with an understanding of management of large-scale government bureaucracies, including organization, career systems, and financing.

DEVELOPMENTAL EDUCATION

All college preparatory courses are nontransferable.

ENC 0017C**Developmental Reading and Writing Combined**

(4 Developmental Education Credits – 4 Hours)

This course integrates reading and writing in a format that will prepare students to write purposeful, well-organized, and well-supported clear paragraphs and essays in which grammar, usage, and mechanics conform to the conventions of standard written English. Students will read and learn to build vocabulary in context; develop literal, critical, and analytical reading and writing skills; identify and write clear main ideas and support main ideas with examples and details; recognize and write using appropriate organizational patterns and relationships; detect author's purpose, tone, and bias; distinguish between facts and opinions; make inferences and draw conclusions; and recognize and write valid arguments.

ENC 0022**Developmental Writing Combined**

(4 Developmental Education Credits – 4 Hours)

This course is designed to satisfy the requirements of developmental writing in a semester format. Students will learn to write purposeful, well-organized, and well-supported clear paragraphs and essays in which grammar, usage, and mechanics conform to the conventions of standard written English.

ENC 0055**Developmental Writing Module (1.0 Credit)**

(1 Developmental Education Credit – 1 Hour)

This course is designed to satisfy the requirements of upper-level developmental writing in a modular format. The student scoring within a specific range on the Postsecondary Education Readiness Test (P.E.R.T.) or other placement test is administered a diagnostic test to identify skills to prepare an individualized learning plan so that the student works only on skills not yet mastered.

ENC 0056**Developmental Writing Module (2.0 Credits)**

(2 Developmental Education Credits – 2 Hours)

This course is designed to satisfy the requirements of developmental writing in a modular format. The student scoring within a specific range on the Post-

secondary Education Readiness Test (P.E.R.T.) or other placement test is administered a diagnostic test to identify skills to prepare an individualized learning plan so that the student works only on skills not yet mastered.

MAT 0022

Developmental Mathematics Combined

(4 Developmental Education Credits – 4 Hours)

This is a course designed to improve mathematical skills needed to be successful in the first college level mathematics course. Topics include arithmetic, linear equations, proportions, geometry, graphing, exponents, polynomials, and factoring.

MAT 0055

Developmental Mathematics Module (1.0 Credit)

(1 Developmental Education Credit – 1 Hour)

This is a module designed for students who need minimal review before completing a college level mathematics course. Topics include fractions, exponents, and factoring.

MAT 0056

Developmental Mathematics Module (2.0 Credits)

(2 Developmental Education Credits – 2 Hours)

This is a module designed for students who need substantial review before taking a college level mathematics course. Topics include fractions, linear equations, graphing, exponents, polynomials, and factoring.

REA 0019

Developmental Reading Combined

(4 Developmental Education Credits – 4 Hours)

A course designed to build vocabulary and develop literal and critical reading skills including determining word meanings in context; identifying main ideas and supporting details; recognizing organizational patterns and relationships; detecting author's purpose, tone, and bias; distinguishing between facts and opinions; making inferences and drawing conclusions; and recognizing valid arguments. Students will build reading and vocabulary competencies based on initial Lexile levels. As students progress through the course, texts and vocabulary complexity will increase.

REA 0055

Developmental Reading Module (1.0 Credit)

(1 Developmental Education Credit – 1 Hour)

This course is designed to satisfy the requirements of upper-level developmental reading in a modular format. The student scoring within a specific range on the Postsecondary Education Readiness Test (P.E.R.T.) or other placement test is administered a diagnostic test to identify skills to prepare an individualized learning plan so that the student works only on skills not yet mastered.

REA 0056

Developmental Reading Module (2.0 Credits)

(2 Developmental Education Credits – 2 Hours)

This course is designed to satisfy the requirements of lower-level developmental reading in a modular format. The student scoring within a specific range on the Postsecondary Education Readiness Test (P.E.R.T.) or other placement test is administered a diagnostic test to identify skills to prepare an individualized learning plan so that the student works only on skills not yet mastered.

EDUCATION

The following three (3) courses are designed for students who plan to transfer to a State University System College of Education to pursue a bachelor's degree in education. EDF 2005 students must be cleared by a school board background check before participating in the required fieldwork. Information about background check location, dates, and fee will be sent by Office of Teacher Education to SJR State student email to students who register for EDF 2005. Additionally, students not registered may contact the Office of Teacher Education directly for detailed information. The fee is paid directly to the school district in which the student completes EDF 2005 fieldwork. EDF 2005 students must

complete the background check process and be cleared by the end of the add-drop period.

EDF 2005

Introduction to the Teaching Profession ♦

(3 Credits - 3 Hours)

Prerequisite: Completion of ENC 1101 with a grade of "C" or higher; school board background check clearance. Information about background check location, dates, and fee will be sent by Office of Teacher Education to SJR State student email to students who register for EDF 2005. Additionally, students not registered may contact the Office of Teacher Education directly for detailed information.

NOTE: Students enrolling in EDF 2005 must be cleared by a school board background check before the end of the add-drop period. An introductory course in American education designed to provide basic information for all who work with school students. Major areas include: historical, sociological, legal, and philosophical foundations of present day education. Field exposure in school settings from K to 12th grade provides prospective education majors with the understanding of the expectations and responsibilities of public school teachers. This course requires eighteen (18) hours of field experience/observation in a public school classroom setting. Students will be assigned to a classroom setting designated by the Office of Teacher Education in the district of their choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EDF 2085

Introduction to Diversity for Educators ♦

(3 Credits - 3 Hours)

Prerequisite: Completion of ENC 1101 with a grade of "C" or higher. A course designed to study multicultural education. Emphasis is on the dimensions of diversity, including culture, ethnicity, race, language, social class, exceptional-ity, gender, age, and sexual orientation. Twenty (20) hours of field experience/volunteer practicum in community agencies approved in advance by the Office of Teacher Education. Students must comply in a timely manner with screening procedures to secure a practicum placement. The field experience is completed outside of the scheduled class meeting time.

EME 2040

Introduction to Technology for Educators ♦

(3 Credits - 3 Hours)

An introduction to the classroom applications of educational technologies. Topics include multimedia, interactive media, ethics and legal issues, and the internet. Students will work in class on computers and should either have a computer available outside of the classroom or plan to use computers available in the computer laboratories to complete assignments.

ARE 2010

Art Skills for Elementary Teachers ♦

(3 Credits - 3 Hours)

A course designed to promote and strengthen the teacher's knowledge and use of art methods and materials and their applicability to classroom use. Instruction in the use of various media will be included.

CHD 1220

Child Development for Teachers of Young Children ♦

(3 Credits - 3 Hours)

This course defines developmental patterns of the child. Students will learn to provide for and support the physical, social, and emotional growth of children, infancy through school age. The importance of positive relationships with families will be examined. This course will also provide opportunities for supervised participation in various child care and education settings. Students interested in working with infants, toddlers, preschool, and school age children as teachers, teacher aides, or parents will have an opportunity to develop and implement developmentally appropriate practices in various child care and education settings. Appropriate professional practices and effective program management strategies will be discussed. This course is one of the three required to earn the Florida Child Care Professional Credential and requires 25 hours field work.

EDP 2002**Educational Psychology ♦**

(3 Credits - 3 Hours)

An introduction to the psychological principles of learning and the application of these principles in effective teaching. Course content includes the psychology of teaching and learning, learner behavior, growth and maturation, psychological concepts of learning, and cognitive and affective factors in learning.

EEC 1001**Introduction to Early Childhood Education ♦**

(3 Credits - 3 Hours)

This course introduces basic principles and practices involved in guiding the young child. The course includes the history and objectives of early childhood programs, child care issues, center licensing standards, and classroom management. This course introduces students to techniques for observing and recording the behavior of young children. The content areas of physical skills, learning environment, and language development will be the focus for developing observing and recording strategies. Appropriate professional practices and effective program management strategies will be discussed. This course is one of the three required to earn the Florida Child Care Professional Credential and requires 25 hours field work.

EEC 2401**Home and Community ♦**

(3 Credits - 3 Hours)

This course is designed to help the student understand the roles and interrelationships of early childhood programs, families, and the community as components of teams working together to support the development of the young child. This course is one part of a core curriculum designed to provide students with an understanding of child development and education, and how to work with parents and community resources to provide developmentally appropriate programs for young children and their families. Appropriate professional practices and effective program management strategies will be discussed. This course is one of the three required to earn the Florida Child Care Professional Credential and requires 30 hours field work.

EEC 2523**Child Care Center Management ♦**

(3 Credits - 3 Hours)

The purpose of the course is to prepare students to perform as child care center directors. The course is intended to meet the educational requirement for the Foundation Level Child Care and Education Administrator credential as defined by the State of Florida. Specific information and opportunities for skill development to assist child care administrators will be explored. Students will develop the knowledge, skills and abilities for planning, implementing, and evaluating a quality child care and education courses. Four content areas will be covered in this course: organizational leadership, personnel issues, financial and legal issues, and child care and education programming. Practical application exercises will be utilized to demonstrate student's knowledge and understanding of the content area competencies.

EDUCATOR PREPARATION INSTITUTE

The EPI courses are nontransferable.

EPI 0001**Classroom Management**

(3 Institutional Credits - 3 Hours)

This course teaches how to maintain a classroom. Topics will include: record keeping, classroom management, school safety, Sunshine State Standards into curriculum, development of lesson plans, parent conferences, assessment techniques, implications of Florida Standards Assessment (FSA) and other standardized tests, professional ethics, and school law and the teacher.

EPI 0002**Instructional Strategies**

(3 Institutional Credits - 3 Hours)

This course teaches the participant to become proficient in the application of a

variety of instructional strategies based on learning styles, cooperative and collaborative learning, accommodations for exceptional students, and the infusion of technology into lesson plans.

EPI 0003**Technology**

(3 Institutional Credits - 3 Hours)

This course teaches the participant to employ technology as an integral part of the teaching and learning process. Instruction is provided in commonly used software suites and on the internet. This course requires a 15 hour online field experience with Florida Virtual School. A background check through FLVS is required.

EPI 0004**The Teaching and Learning Process**

(3 Institutional Credits - 3 Hours)

This course teaches a foundation in various learning theories as applied in the instructional process. Topics will include learning theories, motivation and persistence, intelligence, exceptionalities, standardized testing, critical thinking, multiple intelligences, and second language acquisition.

EPI 0010**Foundations of Research - Based Practices in Reading**

(3 Institutional Credits - 3 Hours)

This course teaches language structure and function and cognition of phonemic awareness, phonics, fluency, vocabulary, and comprehension. This instruction is grounded in scientifically-based research. Successful completion of this course will signify completion of Competency II of the Florida Reading Endorsement.

EPI 0020**Professional Foundations**

(2 Institutional Credits - 2 Hours)

This course provides the foundation for becoming a productive member of the teaching profession. The participants will gain understanding of the organization and administration of the accredited public school, the laws governing teachers, the Code of Ethics, and the purpose of schools. This course develops a professional perspective and creates a sense of grounding in the profession of teaching.

EPI 0030**Diversity**

(2 Institutional Credits - 2 Hours)

Corequisite: EPI 0945. This course provides the participant with an understanding of the variety of backgrounds and cultures that may be found in a typical classroom.

EPI 0940**Field Experience for Professional Foundations**

(1 Institutional Credit - 1 Hour)

Participants will complete thirty-five (35) hours of field experience in accredited public, charter, or private schools. These field experiences will provide the opportunity to gain insight into the instructional process. Using a series of a prescribed observation tasks, each participant will develop a reflective journal detailing their experience. Those participants who are currently teaching will be required to complete the same series of observational field experience in the schools where they are assigned. NOTE: Students enrolling in EPI 0940 must be cleared by a school board background check before the end of the add-drop period. Field exposure in school settings from K-12th grade provides students enrolled in this program with the understanding of the expectations and responsibilities of public school teachers. This course requires thirty-five (35) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EPI 0945**Field Experience for Diversity**

(1 Institutional Credit - 1 Hour)

Corequisite: EPI 0030. Participants will complete a series of experiences de-

signed to give prospective teachers a perspective on the varied backgrounds of students in public, charter, or accredited private schools.

HEALTH & PHYSICAL EDUCATION

PHYSICAL EDUCATION COURSES will apply toward the A.A. degree requirements if applicable for physical education majors unless otherwise noted.

PEL 1211 Softball I

(1 Credit - 2 Hours)

Specialized instruction with emphasis given to fundamental skills.

PEL 1216 Baseball I

(1 Credit - 2 Hours)

Specialized instruction with emphasis given to fundamental skills.

PEL 1321 Volleyball I

(1 Credit - 2 Hours)

Specialized instruction with emphasis given to fundamental skills.

PEL 1621 Basketball I

(1 Credit - 2 Hours)

Specialized instruction with emphasis given to fundamental skills.

PEL 2212 Softball II

(1 Credit - 2 Hours)

Specialized instruction with emphasis on technique and strategy used in play.

PEL 2214 Softball III

(1 Credit - 2 Hours)

This course requires advanced skills and athletic ability and focuses on learning to compete at the collegiate level. This course is geared towards teamwork practices, advanced game strategy, and knowledge of the NJCAA rules.

PEL 2217 Baseball II

(1 Credit - 2 Hours)

Specialized instruction with emphasis on technique and strategy used in play.

PEL 2219 Baseball III

(1 Credit - 2 Hours)

This course requires advanced skills and athletic ability and focuses on learning to compete at the collegiate level. This course is geared towards teamwork practices, advanced game strategy, and knowledge of the NJCAA rules.

PEL 2322 Volleyball II

(1 Credit - 2 Hours)

Specialized instruction with emphasis on technique and strategy used in play.

PEL 2324 Volleyball III

(1 Credit - 2 Hours)

This course requires advanced skills and athletic ability and focuses on learning to compete at the collegiate level. This course is geared towards teamwork practices, advanced game strategy, and knowledge of the NJCAA rules.

PEL 2622 Basketball II

(1 Credit - 2 Hours)

Specialized instruction with emphasis on technique and strategy used in play.

PEL 2624 Basketball III

(1 Credit - 2 Hours)

This course requires advanced skills and athletic ability and focuses on learning to compete at the collegiate level. This course is geared towards teamwork practices, advanced game strategy, and knowledge of the NJCAA rules.

PEM 1102

Health Analysis and Body Conditioning

(3 Credits - 3 Hours)

A course designed to analyze and evaluate certain health factors on a personalized basis to provide a personal health profile. The profile will be used to de-

velop and carry out an aerobic and isotonic conditioning program of activities leading to maximized health benefits.

PEM 1104

Concepts of Life Fitness

(1 Credit - 3 Hours)

A continuation of the program established in PEM 1102 with emphasis on changing lifestyle patterns consistent with fitness, health, and well-being. May be repeated three times for credit.

PEM 2131

Weight Training

(1 Credit - 3 Hours)

A course designed to provide basic instruction in the methods of isotonic exercise as related to fitness and health. May be repeated three times for credit.

PET 2622

Care and Prevention of Athletic Injuries ♦

(3 Credits - 3 Hours)

This introductory course explores the techniques of effectively preventing and managing athletic-related injuries. The course is designed to explore principles related to the prevention, treatment, rehabilitation and proper care of athletes and athletic injuries. The course includes recognition, care, use of treatment modalities and techniques for taping and stabilizing injuries.

SPM 2000

Introduction to Sport Management ♦

(3 Credits - 3 Hours)

This course is designed to provide the student with a conceptual understanding of sport management. Areas that receive special emphasis are managerial, financial, legal, and ethical principles, the professional sport industry, intercollegiate and interscholastic sport, youth and community sport, event/facility management, sport sales, marketing and sponsorships, sport communication, the recreation and fitness industries and career preparation.

HUMANITIES

ARH 1000

Art Appreciation ♦

(3 Credits - 3 Hours)

This course is designed to teach the appreciation of painting, sculpture and architecture. It focuses on the relationship between the work and its historical context and emphasizes an understanding of works of art and their role in the everyday world. ARH 1000 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ARH 2050

Art History I ♦

(3 Credits - 3 Hours)

A study of the main developments of the visual art forms (architecture, sculpture and painting) from Paleolithic man through the Renaissance. ARH 2050 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ARH 2050

Honors Art History I ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program. A study of the main developments of the visual art forms (architecture, sculpture and painting) from Paleolithic man through the Renaissance. ARH 2050 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030. This course involves significant reading, writing, discussion, and participation.

ARH 2051

Art History II ♦

(3 Credits - 3 Hours)

An integrated study of the main developments of the visual art forms (architecture, sculpture and painting) from the 17th century to the present. ARH 2051 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

ARH 2051**Honors Art History II ♦**

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program. An integrated study of the main developments of the visual art forms (architecture, sculpture and painting) from the 17th century to the present. ARH 2051 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030. This course involves significant reading, writing, discussion, and participation.

DAN 2100**Survey of Dance ♦**

(3 Credits - 3 Hours)

This course is designed as an introduction into the multicultural world of dance. It will include information on history, cultures and performance aspects of dance as an art form. DAN 2100 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

HUM 2020**Introduction to Humanities ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with a grade of "C" or higher. A basic introduction to Humanities, the course focuses upon central concepts, historical development, and the fundamental nature of the visual arts, literature, music dance, theatre, philosophy, and religion. Major emphasis is upon understanding and appreciation of cultural heritage. HUM 2020 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

HUM 2020**Honors Introduction to Humanities ♦**

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program and ENC 1101 with a grade of "C" or higher. A basic introduction to Humanities, the course focuses upon central concepts, historical development, and the fundamental nature of the visual arts, literature, music dance, theatre, philosophy, and religion. Major emphasis is upon understanding and appreciation of cultural heritage. HUM 2020 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030. This course involves significant reading, writing, discussion, and participation.

HUM 2220**Greek and Roman Humanities ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with a grade of "C" or higher. An integrated examination of dominant ideas in Western culture as expressed in art, literature, music, philosophy, and religion, HUM 2220 covers the period from the Trojan War through the Roman era, emphasizing the development and influence of classical idea. HUM 2220 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

HUM 2223**Late Roman and Medieval Humanities ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with a grade of "C" or higher. An integrated examination of dominant ideas in Western culture as expressed in art, literature, music, philosophy, and religion, HUM 2223 covers the period from the late Roman Empire through the Middle Ages, emphasizing the development and historical influence of Christianity. HUM 2223 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

HUM 2232**Renaissance and Baroque Humanities ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with a grade of "C" or higher. An integrated examination of dominant ideas in Western culture as expressed in art, literature, music, philosophy, and religion, HUM 2232 covers the period from the Renaissance time period through the Baroque, emphasizing the development and historical influence of these periods. HUM 2232 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

HUM 2234**Enlightenment and Romanticism Humanities ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with a grade of "C" or higher. An integrated examination of dominant ideas in Western culture as expressed in art, literature, music, philosophy, and religion, HUM 2234 covers the period from the Enlightenment through the 19th century, emphasizing the emergence of rationalism and modern science and the Romantic rebellion. HUM 2234 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

HUM 2250**20th Century Humanities ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with a grade of "C" or higher. An integrated examination of dominant ideas in Western culture as expressed in art, literature, music, philosophy, and religion, HUM 2250 covers the period from the turn of the 20th century to the present. The course focuses on creative forces which have shaped contemporary consciousness from the pioneering work of Einstein, Picasso, Stravinsky, and Wright through the dominance of objective consciousness to newly emerging guiding myths of today. HUM 2250 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

HUM 2310**Mythology in Art, Literature, and Music ♦**

(3 Credits - 3 Hours)

Prerequisite: Satisfactory completion of ENC 1102 with a grade of "C" or higher. An introduction to mythology and an examination of its continued influence to the present. Major emphasis is placed on Classical mythology, though attention will be given to other mythologies of Western and non-Western cultures as well. HUM 2310 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

HUM 2512**Architectural Reflection of Culture ♦**

(3 Credits - 3 Hours)

A chronological look at architecture as a reflection of major cultural concerns in the Western world from prehistoric times to the twentieth century. Each major period in history will be thematically approached and studied with visual aids and discussions. The course focuses on the psychological and sociological impact of the ethos upon man's architectural monuments as an extension of his personal needs and basic instinct for physical survival and mental well-being. HUM 2512 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

LIT 2000**Introduction to Literature ♦**

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 with a grade of "C" or higher. A study of literary techniques, conventions, and genres undertaken as a foundation for writing about literature. Training is given in the planning, organization, and writing of critical papers. Emphasis is placed on effective style and methods of research. An exit grade of "C" or higher is required. LIT 2000 is a Gordon Rule writing course as defined by SBE Rule 6A - 10.030.

MUH 2112**Music History ♦**

(3 Credits - 3 Hours)

A study of musical expression in relation to the background of the life and art which created it. Emphasis is placed on music in Western Civilization from the 17th century to the present. MUH 2112 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

MUL 1010**Music Appreciation ♦**

(3 Credits - 3 Hours)

A study of the historical development of music involving the analysis of form and style and the lives of some of the great composers and their works. The student will be provided with a basis for intelligent listening and a more thorough understanding of music. MUL 1010 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

PHI 2010**Introduction to Philosophy** ♦

(3 Credits - 3 Hours)

An examination of philosophical problems which probe the complexity of human knowledge. Traditional epistemological, metaphysical, aesthetic, moral, and political problems will be discussed in relation to the writings of classical and contemporary philosophers. PHI 2010 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

PHI 2100**Reasoning and Critical Thinking** ♦

(3 Credits - 3 Hours)

An introduction to the theory and application of logic in both its deductive and inductive aspects. Topics include traditional logic of the syllogism, modern deductive techniques, logical fallacies, analogy and generalization, causal hypotheses, explanatory hypotheses and probability.

PHI 2630**Contemporary Ethics** ♦

(3 Credits - 3 Hours)

An examination of ethical topics with an emphasis on the development of a personally and philosophically meaningful ethical position on a variety of contemporary problems. Topics such as utilitarianism, egoism, situation ethics, freedom, social responsibility and relativism will be discussed and applied. PHI 2630 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

PHI 2630**Honors Contemporary Ethics** ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program. An examination of ethical topics with an emphasis on the development of a personally and philosophically meaningful ethical position on a variety of contemporary problems. Topics such as utilitarianism, egoism, situation ethics, freedom, social responsibility and relativism will be discussed and applied. This course involves significant reading, writing, discussion and student participation. PHI 2630H is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

REL 2210**Survey of the Old Testament** ♦

(3 Credits - 3 Hours)

This course introduces the student to the study of the Old Testament and its history, geography, personalities, teachings, authority, and influence upon our culture.

REL 2240**Survey of the New Testament** ♦

(3 Credits - 3 Hours)

This course introduces the student to the study of the New Testament and its history, geography, personalities, teachings, authority, and influence upon our culture.

REL 2300**World Religions** ♦

(3 Credits - 3 Hours)

A course which introduces the student to the world's great religions by means of an objective examination of their origins and a study of their historical development. Religions include: Jainism, Buddhism, Confucianism, Taoism, Shintoism, Zoroastrianism, Judaism, Christianity, and Islam.

THE 1000**Theater Appreciation** ♦

(3 Credits - 3 Hours)

This course offers the student an appreciation of the theater as a group art form through the study of its historical development, its literature, and its theory with attention placed on dramatic structure, techniques, and the various forms and modes of dramatic composition. THE 1000 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

THE 1020**Introduction to Theater History** ♦

(3 Credits - 3 Hours)

A survey of the structures and production practices and of the ideas behind them from the Golden Age of Greece to the present with reference to significant periods, plays, and playwrights. THE 1020 is a Gordon Rule writing course as defined by SBE Rule 6A-10.030.

MATHEMATICS

MAC 1105**College Algebra** ♦

(3 Credits - 3 Hours)

Prerequisite: Completion of MAT 1033 with a grade of "C" or higher, or a satisfactory score on a placement test. Major topics are solving equations, drawing graphs, and using functions. Emphasis will be placed on linear, quadratic, exponential, and logarithmic functions and their applications.

MAC 1105**Honors College Algebra** ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program and completion of MAT 1033 with a grade of "C" or higher, or a satisfactory score on a placement test. Major topics are solving equations, drawing graphs, and using functions. Emphasis will be placed on linear, quadratic, exponential, and logarithmic functions and their applications. Zeros of polynomials, rational functions, matrices, determinants, sequences and series will also be discussed.

MAC 1147**Precalculus** ♦

(4 Credits - 4 Hours)

Prerequisite: Completion of MAC 1105 with a grade of "C" or higher, or a satisfactory score on a placement test. This course covers trigonometry and a review of the algebra skills needed for calculus. Trigonometry topics include functions, graphs, identities, equations, and their applications. Algebra topics include linear, quadratic, exponential, logarithmic, polynomial and rational functions and their applications.

MAC 1147**Honors Precalculus** ♦

(4 Credits - 4 Hours)

Prerequisite: Admission to the SJR State Honors Program and completion of MAC 1105 with a grade of "C" or higher, or a satisfactory score on a placement test. This course covers trigonometry and a review of the algebra skills needed for calculus. Trigonometry topics include functions, graphs, identities, equations, and their applications. Algebra topics include linear, quadratic, exponential, logarithmic, polynomial and rational functions and their applications. Polar coordinates, parametric equations, vectors, conic sections, mathematical induction and the binomial theorem will also be discussed.

MAC 2233**Survey of Calculus** ♦

(3 Credits - 3 Hours)

Prerequisite: Completion of MAC 1105 with a grade of "C" or higher, or a satisfactory score on a placement test. This is a survey course of elementary differential and integral calculus designed for business and social science students. Topics include functions, limits, derivatives, and integrals involving algebraic, exponential and logarithmic functions. Applications include marginal analysis, curve sketching, and optimization. This course cannot be used to satisfy degree requirements for students entering mathematics or engineering programs.

MAC 2311**Analytic Geometry and Calculus I** ♦

(4 Credits - 4 Hours)

Prerequisite: Completion of MAC 1147 with a grade of "C" or higher, or a satisfactory score on a placement test. Topics include limits, derivatives, and integrals involving algebraic, exponential, logarithmic, trigonometric, and inverse trigonometric functions. Applications include tangent lines, rectilinear motion, related rates, curve sketching, and optimization.

MAC 2312**Analytic Geometry and Calculus II ♦**

(4 Credits - 4 Hours)

Prerequisite: Completion of MAC 2311 with a grade of "C" or higher. Topics include applications of integration, techniques of integration, infinite series, and parametric and polar equations.

MAC 2313**Analytic Geometry and Calculus III ♦**

(4 Credits - 4 Hours)

Prerequisite: Completion of MAC 2312 with a grade of "C" or higher. Topics include vectors and solid analytic geometry, vector-valued functions, partial differentiation, multiple integrals, and vector analysis.

MAP 2302**Elementary Differential Equations ♦**

(3 Credits - 3 Hours)

Prerequisite: Completion of MAC 2312 with a grade of "C" or higher. This is a first course in ordinary differential equations and includes first and second order differential equations and their applications. Major topics are separable equations, first and second order linear equations, and Laplace transform methods. Applications include mixtures, population models, acceleration - velocity models, and mechanical systems. The course may also include series solutions, systems of differential equations, and numerical methods.

MAT 1033**Intermediate Algebra ♦**

(3 Credits - 3 Hours)

Prerequisite: College-ready status, a satisfactory score on a placement test or completion of developmental mathematics with a grade of "C" or higher or enrollment in a corequisite developmental education course as applicable. Topics include factoring, rational expressions, radicals, complex numbers, quadratic equations, lines, and systems of linear equations.

MAT 1930**Games for Analytical Reasoning ♦**

(3 Credits - 3 Hours)

This course is designed to enable students to develop their analytical reasoning skills by way of playing and investigating games and activities involving pattern analysis, strategy formation, and critical thinking.

MGF 1106**Mathematics for Liberal Arts I ♦**

(3 Credits - 3 Hours)

Prerequisite: College ready status, satisfactory score on a placement test, or completion of developmental mathematics with a grade of "C" or higher. This is a general education mathematics course. Topics include sets, logic, geometry, counting and probability, and statistics.

MGF 1107**Mathematics for Liberal Arts II ♦**

(3 Credits - 3 Hours)

Prerequisite: College ready status, satisfactory score on a placement test, or completion of developmental mathematics with a grade of "C" or higher. This is a general education mathematics course. Topics will be selected from numeration systems, number theory, algebra, linear programming, financial mathematics, graph theory, voting, and apportionment.

MTB 1304**Using the Graphing Calculator ♦**

(1 Credit - 1 Hour)

Graphing calculator required. Consult with instructor before purchasing. Prerequisite: MAT 1033 with a grade of "C" or higher or a satisfactory score on a placement test. This course provides instruction for using a Texas Instruments graphing calculator. Topics include arithmetic operations, graphs, programming, matrices, and statistics.

STA 2023**Elementary Statistics ♦**

(3 Credits - 3 Hours)

Prerequisite: Completion of MAT 1033 or MGF 1106 or MGF 1107 or MAT 1930 with a grade of "C" or higher, or a satisfactory score on a placement test. This is a first course in statistics and includes descriptive statistics, probability, and inferential statistics. Major topics are graphs, measures of center, measures of variation, linear correlation and regression, probability, binomial distributions, normal distributions, sampling distributions, confidence intervals, and hypothesis testing.

STA 2023**Honors Elementary Statistics ♦**

(3 Credits - 3 Hours)

Graphing calculator required. Consult with instructor before purchasing. Prerequisite: Admission to the SJR State Honors Program and completion of MAT 1033 or MGF 1106 or MGF 1107 or MAT 1930 with a grade of "C" or higher or a satisfactory score on a placement test. This is a first course in statistics and includes descriptive statistics, probability, and inferential statistics. Major topics are graphs, measures of center, measures of variation, linear correlation and regression, probability, binomial distributions, normal distributions, sampling distributions, confidence intervals, and hypothesis testing. This course will include at least one student project that involves data collection, reading, and writing.

NURSING AND ALLIED HEALTH

Unless otherwise noted, Nursing and Allied Health courses may be considered to fulfill A.A. degree requirements by approval of the Vice President for Academic Affairs.

EMS 1119**Emergency Medical Technician**

(6 Credits - 6 Hours)

Corequisites: EMS 1119L and EMS 1431. This course is an introduction to the knowledge and skills to be successful in meeting emergency medical technician certification and licensing requirements. Students will learn how to assess, treat and transport the sick and injured at the level of the emergency medical technician-basic. Included is information concerning basic structure and function of body systems and recent state of the art procedures required of the emergency medical technician. There is emphasis on assessment based learning and complies with national EMS Education Standards - EMT Instructional Guidelines.

EMS 1119L**EMT Lab**

(3 Credits - 3 Hours)

Corequisite: EMS 1119 and EMS 1431. An integrated experience that is designed to allow the student to apply practical experience to material learned in Emergency Medical Technician. Laboratory practice includes emergency procedures for life-threatening disease, accident, or illness and is closely supervised to foster confidence in the student's abilities to apply theory in a laboratory setting. Techniques for patient assessment, evaluation and treatment are practiced in an assessment-based format in a laboratory setting.

EMS 1431**EMT Hospital/Field Experience**

(3 Credits - 120 Hours)

Corequisite: EMS 1119 and EMS 1119L. This portion of the student's education brings the theory taught in lecture and skills taught in laboratory sessions together in practical application on live patients. Includes practical application of EMT clinical knowledge and skills under professional supervision. Provides for directed experiences in local hospitals and health facilities and field observation and experience in emergency vehicles. Along with successful completion of corequisites provides eligibility for national and State of Florida EMT certification examinations.

EMS 2010**EMS Anatomy and Physiology**

(3 Credits - 45 Hours)

This is a comprehensive study of anatomy and physiology of the human body. Topics include the structure, function, and interrelationship of organ systems with emphasis on the processes which maintain homeostasis.

EMS 2603**Paramedic I**

(6 Credits - 90 Hours)

Corequisites: EMS 2010, EMS 2603L, EMS 2666. This course presents the objectives contained in the current U.S. Department of Transportation National Standard Curriculum for the Paramedic. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include roles and responsibilities, medical legal issues, well-being of the paramedic, illness and injury prevention, ethics, medical terminology review, patient assessment, airway management, venous access and medication administration, therapeutic communications, life span development, pathophysiology, management of shock and general pharmacology.

EMS 2603L**Paramedic I Lab**

(2 Credits - 60 Hours)

Corequisites: EMS 2010, EMS 2603, EMS 2666. This course presents the objectives and complies with national EMS Education Standards - Paramedic Instructional Guidelines. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include illness and injury prevention, medical terminology review, patient assessment, airway management, venous access and medication administration, therapeutic communications, management of shock and general pharmacology.

EMS 2604**Paramedic II**

(8 Credits - 120 Hours)

Prerequisite: EMS 2010, EMS 2603, EMS 2603L, EMS 2666 with a grade of "C" or higher. Corequisites: EMS 2604L, EMS 2667. This course presents the objectives and complies with national EMS Education Standards - Paramedic Instructional Guidelines. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include the following medical emergencies: cardiology, pulmonary, neurology, endocrinology, allergies, gastroenterology, renal, toxicology, hematology, environmental conditions, communicable diseases, gynecology, obstetrics and psychiatric emergencies. The following trauma emergencies include burns, spinal, thoracic, abdominal, musculoskeletal, head, facial, soft tissue, hemorrhage and shock.

EMS 2604L**Paramedic II Lab**

(2 Credits - 60 Hours)

Prerequisite: EMS 2010, EMS 2603, EMS 2603L, EMS 2666 with grades of "C" or higher. Corequisites: EMS 2604, EMS 2667. This course presents the objectives and complies with national EMS Education Standards - Paramedic Instructional Guidelines. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. The laboratory will focus on cardiovascular, respiratory and traumatic emergencies, enabling students to practice the associated treatment modalities. Topics studied include the following treatment of medical emergencies: cardiology, pulmonary, neurology, endocrinology, allergies, gastroenterology, renal, toxicology, hematology, environmental conditions, communicable diseases, gynecology, obstetrics and psychiatric emergencies. The following trauma emergency treatments include burns, spinal, thoracic, abdominal, musculoskeletal, head, facial, soft tissue hemorrhage and shock.

EMS 2605**Paramedic III**

(5 Credits - 75 Hours)

Prerequisites: EMS 2604, EMS 2604L, EMS 2667 with a grade of "C" or higher.

Corequisites: EMS 2605L, EMS 2920, EMS 2659. This course presents the objectives and complies with national EMS Education Standards - Paramedic Instructional Guidelines. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include the following: neonatology, pediatrics, geriatrics, abuse and assault, patients with special challenges, acute interventions for the chronic care, patient assessment based management, ambulance operations, medical incident command, rescue awareness and operations, hazardous materials incidents and crime scene awareness.

EMS 2605L**Paramedic III Lab**

(1 Credit - 30 Hours)

Prerequisites: EMS 2604, EMS 2604L, EMS 2667 with a grade of "C" or higher.

Corequisites: EMS 2605, EMS 2920, EMS 2659. This course presents the objectives and complies with national EMS Education Standards - Paramedic Instructional Guidelines. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. Topics studied include the following: emergency treatment techniques for neonatology, pediatrics, geriatrics, abuse and assault, patients with special challenges, acute interventions for the chronic care patient, assessment-based management, ambulance operations, medical incident command, rescue awareness and operations, hazardous materials incidents and crime scene awareness.

EMS 2659**Paramedic Field/Clinical Internship**

(5 Credits - 324 Field Hours/36 Clinical Hours)

Prerequisites: EMS 2604, EMS 2604L, EMS 2667 with a grade of "C" or higher.

Corequisites: EMS 2605, EMS 2605L, EMS 2920. This course allows students to correlate all of the didactic background in the paramedic courses with advanced patient care and offers the students opportunities to demonstrate competency in the skills learned in all of the paramedic laboratories. Students will be assigned to specific fire departments to complete field ride time. Students will also perform pediatric clinical rotations during the first part of the semester. Students will perform various emergency medical modalities and procedures under the direct supervision of a paramedic preceptor. This course will focus all treatment modalities as final preparation for the National Registry certification examination and a career as a paramedic.

EMS 2666**Paramedic I Clinical Experience**

(4 Credits - 120 Clinical Hours)

Corequisites: EMS 2010, EMS 2603, EMS 2603L. This course stresses theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. This course allows students to correlate didactic background with basic patient care and offers the student opportunities to demonstrate competency in the skills learned in the Paramedic I Laboratory. Students are assigned to specific agencies to perform various emergency medical modalities and procedures under the direct supervision of a paramedic, nurse or physician.

EMS 2667**Paramedic II Clinical Experience**

(4 Credits - 240 Clinical Hours)

Prerequisites: EMS 2010, EMS 2603, EMS 2603L, EMS 2666 with a grade of "C" or higher. Corequisites: EMS 2604, EMS 2604L. This course stresses theory and

procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient. This course allows students to correlate didactic background with basic patient care and offers the student opportunities to demonstrate competency in the skills learned in the Paramedic II Laboratory. Students are assigned to specific agencies to perform various emergency medical modalities and procedures under the direct supervision of a paramedic, nurse or physician

EMS 2920**Paramedic Seminar**

(2 credits - 30 hours)

Prerequisites: EMS 2604, EMS 2604L, EMS 2667 with a grade of "C" or higher. Corequisites: EMS 2605, EMS 2605L, EMS 2659. The course presents the objectives contained in the current American Heart Association ACLS and PALS curriculum. Also presented in this course are the objectives found in the current NAEMT PHTLS Trauma First Response curriculum. These courses stress theory and procedures used by a comprehensive emergency medical system in advanced pre-hospital care of the emergency patient.

HCP 0001**Health Careers Core**

(90 Contact Hours) This course is nontransferable.

Course is the introductory course for all allied health careers. Course provides a knowledge of the health care delivery system and an understanding of wellness and disease concepts.

HCP 0120C**Nursing Assistant**

(120 Contact Hours) This course is nontransferable.

Course prepares students to be nursing assistants. Students will perform nursing procedures, provide personal patient care, care for geriatric patients and assist with rehabilitative activities. Clinical learning experience will consist of 40 hours of supervised clinical experience in a licensed nursing home.

HCP 0121C**Nursing Aid and Orderly**

(75 Contact Hours) This course is nontransferable.

This program is designed to prepare students for employment as nursing assistants, nursing aides, and orderlies, in nursing homes. Upon successful completion of this program, students are eligible to take the national nursing assistant examination being utilized in Florida, in accordance with Chapter 82-163, F.S. Nursing Assistants do not need to be certified except to work in nursing homes, unless it is a condition for employment in other institutions.

HCP 0750C**Phlebotomist**

(75 Contact Hours) This course is nontransferable.

Prerequisite or corequisite: HCP 0001. Course focuses on preparing individuals for employment as phlebotomists. Basic phlebotomy techniques and rationale are discussed and simulated. Course content includes but is not limited to the safe and efficient work practices, maintaining specimen integrity, preparing and labeling specimens, and promoting the comfort and well being of the patient.

HIM 1000**Introduction to Health Information Management ♦**

(3 Credits - 3 Hours)

This course provides an introduction to the field of health information management, including: a history of the profession, professional organizations, accreditation standards, and the functions, content and structure of the health care record.

HIM 1110**Standard Healthcare Practices**

(3 Credits - 3 Hours)

This course provides an introduction to the principles and concepts of performance improvement and quality management in healthcare. Topics include clinical quality improvement, utilization review case management, risk management, infection control and patient safety, medical staff credentialing and peer review, accreditation standards, laws and regulations, tools and techniques for data collection, analysis and presentation of data and the role of the HIM Department.

HIM 1211C**Health Information Systems**

(3 Credits - 3 Hours)

This is a (3) credit introduction to information technology related to healthcare and the automated tools and techniques for collecting, storing and retrieving

data. Topics include the implementation of information systems in the health-care industry with a focus on the evolution and goals of the Electronic Health Record (EHR). Students will explore the transition from a paper based health record to an EHR through the AHIMA virtual lab system. Students will be given access to "hands-on" applications on a variety of healthcare electronic systems enhancing technology skills and knowledge. Students will be given opportunity to utilize and practice with current software packages common in the healthcare industry.

HIM 1282C**Basic ICD Diagnostic Coding**

(3 Credits - 3 Hours)

This coding course is designed to provide an introduction to the International Classification of Disease (ICD) coding system and general diagnosis coding guidelines. This course will define basic coding definitions, introduction to billing methodology, sequence and assign appropriate diagnostic codes for both inpatient and outpatient settings. The student will assign codes to specific basic coding assignments using ICD manual and 3M Encoder software.

HIM 1442**Pharmacology for Health Professionals**

(2 Credits- 2 hours)

Prerequisites: HSC 1531, BSC 2085 and BSC 2085L with grades of "C" or higher. This course provides an introduction to the principles of pharmacology, including drug terminology, drug origins, forms, and actions; routes of administration; as well as the use of generic name drug, trade name drugs, and categories of drugs to treat various body systems. Indications and contraindications associated with drug therapy and related disease processes are described.

HIM 1500**Quality Management**

(3 Credits - 45 Hours)

Prerequisite: HSC 1000 with a grade of "C" or higher. This course provides an introduction to the study of the principles and concepts of clinical quality management, compliance, risk management, case management, utilization review and performance improvement and medical staff credentialing process.

HIM 2012**Health Care Law**

(3 Credits - 3 Hours)

Prerequisite or Corequisite: HSC 1000 with grade of C or higher. This course provides an introduction to the study of law as applied to the health field including: legal terminology, the judicial system, misconduct, malpractice, and legal and professional standards. The importance of proper documentation and informed consent will be emphasized. This course will also cover the fundamentals of medical ethics and ethical behavior as it relates to clinical practice.

HIM 2214**Healthcare Statistics and Research**

(3 Credits- 3 Hours)

Prerequisites: College-level mathematics course, HIM 1000, and HIM 1110 with grades of "C" or higher. This course provides an introduction to the terms, definitions, and formulae used in computing health care statistics. In addition, the course will include vital statistics data and rates; basic statistical terminology and computations, including frequency distribution, measures of central tendency and measures of variation; techniques for presenting data via computer technology; and basic research terminology and methodologies.

HIM 2255C**CPT Coding**

(3 Credits - 3 Hours)

Prerequisite or Corequisite: HIM 2723C with a grade of "C" or higher. This course provides an introduction to the study of Current Procedure Terminology (CPT) coding. Simulation of outpatient coding, including ambulatory surgery, diagnostic testing and procedures, and physician services using health records. Emphasis is placed on the use of official CPT coding guidelines, compliance and Ambulatory Payment Classification (APC) calculations. The student will have hands-on practice using encoder software.

HIM 2432**Concepts of Disease**

(3 Credits - 3 Hours)

Prerequisite: HSC 1531 or BSC 2085 with lab with grades of "C" or higher. Pre or Corequisite: BSC 2085 with lab with grades of "C" or higher. This course provides an introduction to the study of disease processes with concurrent study of diagnostic and laboratory testing, pharmacological treatment, and surgical treatment of disease.

HIM 2512**Supervision, Organization, and Management +**

(3 Credits - 3 Hours)

Prerequisite: HIM 1110 with a grade of "C" or higher. This course provides an introduction to departmental management including principles of management, operational management, human resource management, and financial management. Emphasis will be on team building, identifying and understanding customers, self discovery, and leadership.

HIM 2723C**IDC Procedure Coding**

(3 Credits - 3 Hours)

Pre-requisites: HIM 1282C with a grade of "C" or higher. This coding course is designed to provide an introduction to the International Classification of Disease (ICD) coding system and general diagnosis coding guidelines for surgical procedures. Emphasis is placed on the use of official procedural coding guidelines, coding compliance, MS DRG calculations, sequencing, and reimbursement methodology. The student will assign codes to specific basic coding assignments using ICD manual and 3M Encoder software.

HIM 2729C**Advance Coding and Reimbursement**

(3 Credits - 3 Hours)

Prerequisites: HIM 1282C, HIM 2723C with a grade of "C" or higher. Corequisite: HIM 2255C. This course provides the HIM student an opportunity to apply advanced concepts and techniques for ICD Coding and reimbursement using actual case studies, simulated paper record cases, and electronic records. The student will also utilize the 3M Encoder software in performing outpatient and inpatient coding. Lab fee.

HIM 2800**Professional Practice Experience I**

(3 Credits - 64 Clinical Hours)

Prerequisites: HIM 1000 and HIM 1211C with a grade of "C" or higher. This course provides a supervised practicum at a Health Information Management Department of a hospital or alternative health care setting and lab setting. Emphasis is on record processes, Release of Information (ROI), chart analysis, admission and discharge procedures. Upon completion the student shall have an understanding of the daily functional operations of an HIM Department. The student will be exposed to a paper hybrid and an electronic health record. Each student will be responsible for completion of a Professional Practice Experience binder. Lab Fee. Traveling Day/Evening.

HIM 2820**Professional Practice Experience II**

(3 Credits - 64 Clinical Hours)

Prerequisite: HIM 1110 with a grade of "C" or higher. Corequisite: HIM 2512 with a grade of "C" or higher. This class and lab course provides a supervised practicum at a hospital or alternative healthcare setting. The course will focus on assisting the student to begin integration into the HIM field by exploring managerial duties and interaction of the PI/UR/RM/Medical Staff departments. Activities conducted will assist the student to enter the workplace. The course will introduce the student to the preparation needed to sit for the RHIT National Examination by AHIMA. Lab Fee. Traveling, Day/Evening.

HSA 1255**Office Management in Health Sciences Profession**

(3 Credits - 3 Hours)

Prerequisite: CGS 110 Microcomputer Application Software with a grade of "C" or higher. This course prepares students to integrate office management skills

in a medical environment.

HSA 2252**Health Care Coding**

(3 Credits - 3 Hours)

Prerequisites: HSC 1531 Medical Terminology with a grade of "C" or higher. This course is designed to prepare students to work in medical offices, hospitals, nursing homes, and other medical facilities. Specifically, this course provides an introduction to the study of coding, billing and the reimbursement processes.

HSC 1000**Introduction to Health Care Delivery System ♦**

(3 Credits - 3 Hours)

Prerequisites: None. An introduction to the evolution and organization of the healthcare delivery system of the United States, including differentiating the roles of various providers and disciplines throughout the continuum of health-care, the organization of healthcare delivery systems in the United States, healthcare providers and disciplines, and identification of laws, accreditations, licensure, and certification standards to Healthcare Delivery Systems.

HSC 1004**Professions of Caring ♦**

(3 Credits - 3 Hours)

This course explores various nursing and allied health careers and their related programs of study. It includes self-exploration as it relates to personality and career interest, reviewing expectations of degree / certificate programs, learning study skills, test taking strategies, and organization skills unique to learning in health care professions, developing information research skills, developing critical thinking skills, and orienting to the technology of nursing and allied health careers an online environments of nursing and allied health classes and testing.

HSC 1531**Medical Terminology ♦**

(3 Credits - 3 Hours)

Prerequisites: None. This course provides an introduction to the terminology of medicine, making it understandable through the study of the word roots, combining forms, prefixes, suffixes, and etymology. The student will learn to build, recognize, spell, and pronounce medical terms.

HSC 1641**Legal and Ethical Issues for Healthcare Providers**

(3 Credits - 3 Hours)

This course provides an introduction to the study of healthcare legal and ethical issues relating to all healthcare professionals. The importance of the healthcare delivery system, legal and ethical responsibilities and understanding of information technology applications in healthcare.

HSC 2930**Special Topics-Capstone**

(Variable 1-3 Credits - variable 1-3 Hours)

Prerequisites: Permission of the Dean/Director. This course is designed for students preparing to graduate and transition to employment and/or continuing education. Students will complete development of an online portfolio to include a cover letter, resume, work samples, and completion of an approved culminating project or internship. Additionally, students will complete a job search related to their areas of interest and will apply for jobs prior to graduation.

NSP 1031**Performance Achievement Strategies for Success**

(3 Credits - 60 Contact Hours)

This course is designed to improve the student's ability to be successful in the nursing program. The course assists the student to assess knowledge, skill and clinical performance deficits, to develop an individual plan of improvement and remediation, and to implement the plan of improvement. Practical application of nursing knowledge to patient care skills will be incorporated in the course. Based on the student's individualized improvement/remediation plan, the course may encompass in-seat class time, online class time, and/or lab and simulation hours.

NUR 1005**LPN Transition**

(3 Credits - 45 Hours) 30 Online, Lab 15 hours. Simulation /Clinical 0 Hours
 Prerequisites: BSC 2085, BSC 2085L Corequisite: BSC 2086 Anatomy and Physiology II and BSC 2086L and NUR 1140 Clinical Pharmacology. This course builds upon the Licensed Practical Nurse's education and readiness to advance into the associate degree program. In this course, students learn to differentiate between the roles of the practical and associate degree nurse. Emphasis is placed on advancing the critical thinking skills of the nurse in the role of caregiver, educator, and manager. Course content and lab activities practice critical thinking and evidence based practice.

NUR 1020**Foundations of Nursing Practice**

(4 Credits - 60 Hours) Didactic 60 hours

Corequisite: NUR 1020L Foundations of Nursing Practice Lab, Prerequisite: Admission to the Nursing Program. This theory course lays a foundation for socialization into the nursing profession and provides novice nursing students with an elementary understanding of key concepts and principles supporting the practice of holistic nursing. Emphasis is on the ways that nurses assist patients meet universal healthcare requirements and aid the patient or members of his / her family capable of meeting the patient's self-care requisites. This course introduces the profession of nursing, the roles of the nurse as a member of the health team, and the legal and ethical foundations of nursing. The student is introduced to the use of the nursing process as the framework to provide nursing care activities to meet patients' needs. Principles of caring behaviors, cultural diversity, professionalism, critical thinking, health teaching, personal accountability and responsibility, and therapeutic communication skills are stressed. This course acquaints the student with psychological and physiological human needs and the nurse's role in assisting a person to meet these needs using evidence-based practice. Beginning competence in meeting basic human needs when caring for adults with common health derived limitations is stressed.

NUR 1020L**Foundations of Nursing Practice Lab**

(5 Credits - 150 Hours) Didactic 15 hours, Lab 90 hours, Clinical 45 hours
 Corequisite: NUR 1020 Foundations of Nursing Practice, Prerequisite: Admission to the Nursing Program. This course complements the Foundations of Nursing Practice II course and is an integration of lecture, skills lab, and clinical experiences that emphasize the nurse as the caregiver in evidence-based nursing practice. The student is provided opportunities to develop clinical competencies in nursing activities needed to assist individuals in meeting basic human needs. The application of nursing process in maintaining microbial, physical, and psychological safety is introduced. The nurse-patient relationship, health assessment, communication, and development of professional behaviors are emphasized. Students gain competency through demonstration and return demonstration in a supportive and supervised environment. Students provide 40 hours of direct patient care in the long term care setting. Demonstration of competency in the lab and in the clinical setting in performing basic nursing skills and dosage calculations for individuals with common health alterations is emphasized.

NUR 1140**Clinical Pharmacology**

(3 Credits - 45 Hours) Didactic 45 Hours

Prerequisite: NUR 1020 Foundations of Nursing Practice, NUR 1020L Foundations of Nursing Practice Lab. This course introduces the student to basic pharmacological concepts. Students learn pharmacodynamics, pharmacokinetics, drug classifications and prototypical drugs, drug dosages, drug interactions, legal/ethical considerations, and related nursing interventions

NUR 1210C**Adult Health Nursing I**

(4 Credits - 105.5 hours) Didactic 38 hours, Lab 15 hours, Simulation/Clinical 67.5 Hours

Corequisite: NUR 1140 Clinical Pharmacology. Prerequisite: NUR 1020 Foundations of Nursing Practice I, NUR 1020L Foundations of Nursing Practice Lab. This course focuses on identifying self-care requisites of the adult, older adult and elderly patients using a systematic approach. The student will be introduced to physical assessment and the use of critical thinking in the study of relevant

diagnostic tests and how changes affect the patient. Patient response to abnormal and normal pathophysiological events will be included. This course encompasses didactic, lab, simulation, and clinical experiences.

NUR 1212C**Adult Health Nursing II**

(5 Credits - 133 Hours) Didactic 45 Hours, Lab 5 Hours, Simulation/Clinical 83 Hours

Prerequisite: NUR 1140 Clinical Pharmacology, NUR 1210C Adult Health Nursing I. Corequisite: NUR 1521C Mental Health Nursing. This course focuses on the care of the adult, older adult and elderly patients with self-care requisites. Emphasis is placed on the medical-surgical patient. The student will be able to recognize the normal and abnormal physical and sociological needs of the patient to improve patient outcomes. This course encompasses didactic, lab, simulation, and clinical experiences.

NUR 1521C**Mental Health Nursing**

(3 Credits - 63 Hours) Didactic 38 Hours, Simulation/Clinical 25 Hours

Corequisites: NUR 1221C Adult Health II. Prerequisites: NUR 1140 Clinical Pharmacology, NUR 1210C Adult Health I. This course explores normal and psychopathological deviations of self care. Emphasis is placed on the ways that patients achieve restoration of psychological and emotional self care through counseling modalities, group dynamics, and psychopharmacologic agents. The roles of the nurse in promoting optimal psychosocial human functioning are analyzed. Clinical learning experiences will occur in hospital and in community settings. Effective application of the nursing process in meeting psychosocial human needs when caring for individuals across the life span with alterations of mental health is emphasized.

NUR 2244C**Adult Health Nursing III**

(5 Credits - 146 Hours) Didactic 40 Hours, Simulation/Clinical 106 Hours

Corequisites: NUR 2460C Parent Child Nursing. Prerequisites: NUR 1212C Adult Health Nursing II, Mental Health Nursing. This course focuses on more complex diseases and self-care requisites of the adult, older adult and elderly patients in medical/surgical and critical care area. Emphasis is placed on advancing critical thinking skills to detect changes in patient status and to be able to respond appropriately to those changes. Analyzes effectiveness of nursing interventions based on patient outcomes. This course encompasses didactic, lab, simulation, and clinical experiences.

NUR 2251C**Adult Health Nursing IV**

(4 Credits - 105.5 Hours) Didactic 38 hours, Simulation/Clinical 67.5 Hours

Corequisite: NUR 2943C Transitional Nursing. Prerequisite: NUR 2244C Adult Health Nursing III, NUR 2460C Parent Child Nursing. This course focuses on adult, older adult and elderly adult patients with multi-system organ dysfunction in various settings. Emphasis is placed on initiating and evaluating appropriate care including the restoration of the patient's self-care agency in an advanced healthcare setting. This course encompasses didactic, lab, simulation, and clinical experiences.

NUR 2460C**Parent Child Nursing**

(5 Credits - 127.5 Hours) Didactic 45 Hours, Lab 15 Hours, Clinical/Simulation 67.5 Hours

Corequisite: NUR 2244C Adult Health Nursing III. Prerequisite: NUR 1212C Adult Health Nursing II, NUR 1521C Mental Health Nursing. This course focuses on the care of the patient and family during the childbearing years and the care of the child from infancy through adolescence. This course builds on the knowledge of the previous courses of study. It includes instruction about normal and abnormal physical events and the resolution of self-care deficits of the patient and family which present due to these events. The clinical experience includes opportunities to care for prenatal, intrapartum, postpartum, and pediatric patients in various patient care and simulation settings. The simulation and lab experiences will enhance the clinical and didactic learning.

NUR 2943C**Transitional Nursing**

(4 Credits – 120 Hours) Didactic 30 Hours, Clinical 90 Hours

Corequisite: NUR 2251C Adult Health Nursing IV. Prerequisite: NUR 2244C Adult Health Nursing III, NUR 2460C Parent Child Nursing. This course provides the Student with the opportunity to synthesize the concepts of the curriculum in reference to patient care and patient care management. It also offers guidance in adapting to the roles of a graduate nurse. Opportunities are provided which allow the Student to enhance their organizational and critical thinking skills under the direction of an instructor and clinical agency preceptor in various acute care, sub-acute care, skilled nursing, and community settings. This course focuses on the higher level of critical thinking. Emphasis is placed on the medical-surgical patient. The student will be able to recognize the normal and abnormal physical and sociological needs of the patient to improve patient outcomes. Advanced development of the concepts of prioritization and delegation of patient care by the nurse will occur as it applies to the care of adult patients with health care deficits due to disease processes. This course encompasses didactic, lab, simulation, and clinical experiences.

RET 1024C**Fundamentals of Respiratory Care I**

(4 credits – 75 hours), Didactic 45 hours, Lab 30 hours, Clinical 0 hours

This course investigates the role of the respiratory care practitioner (RCP) in the basic diagnosis and treatment of cardiopulmonary diseases using evidence and expert-based therapeutic objectives, specifically improving ventilation and oxygenation, delivery of medications, arterial blood gas sampling, suctioning and lung re-expansion therapies. The course includes up-to-date treatment modalities, medical devices, indications for the treatments and medicines prescribed by physicians to treat respiratory ailments. The course also includes the use of universal precautions and the prevention of infection. Lecture and laboratory experience will enable the student to provide consultation to physicians treating medical cases.

RET 1027C**Respiratory Therapeutics and Diagnostics**

(4 credits – 75 hours), Didactic 45 hours, Lab 30 hours, Clinical 0 hours

Prerequisite: RET 1024C with a "C" or better. This course will include bronchial hygiene therapies, intermittent positive pressure breathing, airway care, intubation, and extubation procedures, weaning parameters, arterial lines, oxygen analyzers and chest tube insertion.

RET 1264C**Introduction to Respiratory Critical Care**

(3 credits – 60 hrs.) Didactic 30 hours, Lab 30 hours, Clinical 0 hours

This course provides entry-level skills in adult mechanical ventilation. Upon completion, the student should be able to demonstrate a basic understanding of positive airway pressure therapies, modes of ventilator support, and initiate and monitor mechanical ventilation in the laboratory setting.

RET 1284C**Cardiac Diagnostics**

(3 Credits – 45 hrs.) Didactic 45 hours, Lab 0 hours, Clinical 0 hours

This course focuses on the anatomy and physiology of the heart, diagnostic tests for structure and functions of the heart including, but not limited to: 12 lead ECG, hemodynamics, echocardiography, cardiac stress testing, and advanced cardiac diagnostics.

RET 1350C**Cardiopulmonary Pharmacology**

(3 credits – 45 hours) Didactic 45 hours Lab 0 hours, Clinical 0 hours

This course includes a study of pharmacological agents used in cardiopulmonary care. This would include the principles of pharmacological therapy, drug dosages, safe and effective administration, and indications and contraindications of these agents.

RET 1485C**Cardiopulmonary Anatomy and Physiology**

(3 Credits- 45 hours) Didactic 45 hours, Lab 0 hours, Clinical 0 hours

This course provides a concentrated study of cardiopulmonary anatomy and

physiology essential to the practice of respiratory care. Emphasis is placed on cardiovascular and pulmonary physiology, and gas exchange.

RET 1874L**Clinical Education I**

(1 Credit - 30 hours) Didactic 0 hours, Lab 0 hours, Clinical 30 hours

Students will be oriented to local healthcare facilities with online presentations and power points in the classroom. Students will obtain an understanding of the principles of medical ethics and legal issues to include confidentiality, safety, and medical records. Students will gain an understanding of asepsis, and vital signs with patient assessment. Students will perform simulations to orient themselves to a replica of the hospital environment. This course is an introduction to the basic modalities in respiratory care.

RET 1875L**Clinical Education II**

(3 Credits- 240 hours) Didactic 0 hours, Lab 0 hours, Clinical 240 hours

Pre-requisite: RET 1874L with a "C" or better

This course introduces the student to the basic modalities in the assessment and treatment of cardiopulmonary conditions in the clinical setting. Students will rotate to several local hospitals during the semester. Students will obtain experience in bedside patient assessments, medical gas, aerosol, humidity, hyperinflation, and bronchial hygiene therapies; and arterial punctures with analyses of the results.

RET 2280C**Advanced Respiratory Critical Care**

(4 Credits – 75 hours) Didactic 45 hours, Lab 30 hours, Clinical 0 hours

Pre-requisite: RET 1264C with a "C" or better. This course focuses on the critically ill patients on high levels of ventilatory support. Students will utilize ventilation modes on lung simulators. The course emphasizes early detection of worsening pulmonary disease through monitoring and the utilization of data such as waveform analyses, loops, curves and arterial blood gas results. Case studies and clinical simulations will develop skills needed for these patients. In addition, advanced cardiac life support will be covered during this class.

RET 2418C**Advanced Diagnostics and Therapeutics**

(3 Credits - 45 hours) Didactic 45 hours, Lab 0 hours, Clinical 0 hours

Pre-requisite: RET 2280C with a "C" or better. This course is a continuation of diagnostic equipment utilized in the assessment of patients with cardiopulmonary disorders. Topics include advanced monitoring and assessment of ventilatory management, home care, and pulmonary rehab. Other topics include cardiopulmonary diagnostic tools including heliox/nitric oxide administration and titration, advanced pulmonary function studies, specialized mechanical ventilation to include high frequency ventilation (HFV), liquid lung and extracorporeal membrane oxygenation (ECMO).

RET 2601C**Cardiopulmonary Pathophysiology**

(3 Credits – 45 hours) Didactic 45 hours, Lab 0 hours, Clinical 0 hours

Pre-requisite: RET 1024C with a "C" or better. This course covers the etiology, pathophysiology, clinical manifestations, and management of cardiopulmonary disorders. The student will be introduced to clinical simulations to help develop skills that will enable a thorough clinical assessment and allow the student to recommend appropriate interventions.

RET 2714C**Pediatric and Neonatal Respiratory Care**

(3 Credits – 60 hours) Didactic 30 hours, Lab 30 hours, Clinical 0 hours

Pre-requisite: RET 1264C with a "C" or better. This course provides in-depth coverage of the concepts of neonatal and pediatric respiratory care. Emphasis is placed on normal neonatal and fetal development, airway management/resuscitation, normal/ abnormal lab values, pathophysiology and on the special equipment and therapeutic needs of infants and children. Pediatric and neonatal simulations will be designed for students to increase clinical and critical thinking skills. Pediatric advanced life support will be covered in this class.

RET 2876**Clinical Education III**

(3 Credits- 240 hours) Didactic 0 hours, Lab 0 hours, Clinical 240 hours
 Pre-requisite: RET 1875L with a "C" or better. This course allows the student to apply critical care principles in a variety of clinical settings. Students will be responsible for the initiation, monitoring, evaluation, and weaning of patient mechanical ventilation. Students are exposed to various life-support systems and monitors.

RET 2877**Clinical Education IV**

(3 Credits- 240 hours) Didactic 0 hours, Lab 0 hours, Clinical 240 hours
 Pre-requisite: RET 2876 with a "C" or better. This course will place the student in advanced and specialized areas in cardiopulmonary care. The student will be exposed to clinical areas to include various intensive care units, pediatric/neonatal intensive care, pulmonary rehabilitation, and advanced cardiopulmonary diagnostic studies.

RET 2878L**Clinical Education V**

(3 Credits - 180 Hours) Didactic 0 hours, Lab 0 hours, Clinical 180 hours
 Prerequisite: RET 2877 with a "C" or better. This is a capstone clinical course where the students attend a clinical internship primarily in the adult critical care area. Students are required to successfully complete clinical objectives and summative evaluations indicating readiness for professional respiratory care practice.

RET 2930C**Respiratory Care Seminar**

(3 Credits - 45 hours) Didactic 45 hours, Lab 0 hours, Clinical 0 hours
 Prerequisite: RET 2418C with a "C" or better. This seminar includes a comprehensive review of respiratory care modalities, and techniques that encourage safe practice and success on the national credentialing examinations.

RTE 1000C**Introduction to Patient Care in Radiologic Sciences**

(3 Credits – 5 Hours lecture, 2 Hours lab) (Half-semester course)
 The content of this course will introduce the student to the history of radiography, the health care system, and will emphasize safety and patient health care needs. Specific topics addressed include workplace safety, patient transfer, the healthcare delivery system, professional role, behaviors, attitudes and communication, legal considerations, infection control, surgical asepsis, patient assessment, medication and medications administration (including venipuncture), emergency response, and response to patient needs.

RTE 1385**Radiobiology and Radiation Protection**

(3 Credits – 3 Hours lecture)
 Prerequisite: RTE 1418C with a "C" or higher. This course is primarily concerned with the content specifications within the radiation protection category of the ARRT examination in radiography. The topics include: patient and personnel protection, biological effects, minimizing patient and personnel exposure, methods of protection, basic properties and units of radiation measurement, NCRP recommendations for protective devices and personnel monitoring, and dosimeters.

RTE 1418C**Radiologic Science**

(4 Credits – 3 Hours lecture, 2 Hours lab)
 This course is primarily concerned with content specifications within the image production and evaluation category of the ARRT examination in radiography. The topics include: radiographic density, contrast, distortion and detail, attenuation of the x-ray beam, scatter production and control, technical factors, film and film processing, digital imaging, image evaluation, quality control, PACS. Laboratory activities will require students to perform experiments related to the topics covered, and perform image analysis.

RTE 1503C**Radiographic Positioning I**

(5 Credits – 4 Hours lecture, 2 Hours lab)
 This course provides the student with an introduction in radiographic principles, terminology, radiation protection and instruction in the radiography anatomy and positioning of the chest, bony thorax, abdomen, pelvis and extremities. Trauma, mobile and pediatric radiography are included. Laboratory activities include exam simulations and radiography of phantoms.

RTE 1513C**Radiographic Positioning II**

(5 Credits - 4 Hours lecture, 2 Hours lab)
 Prerequisite: RTE 1503C with a "C" or higher. This course provides the student with instruction in the radiographic anatomy and positioning of the cervical spine, thoracic spine, lumbar spine, skull, cranial bones, facial bones, paranasal sinuses, mastoids, upper and lower gastrointestinal system, gall bladder, biliary ducts, urinary system and other specialized procedures. Required laboratory activities provide the student with the opportunity to participate in simulated examinations for each of the procedures covered in this course. Students will also produce phantom radiographs.

RTE 1804**Clinical Education I**

(1 Credit – 12 Clinical Hours/week)
 (Half-semester course)
 Prerequisite: RTE 1000C with a "C" or higher. This course begins halfway through the first fall semester of the program after RTE 1000C is complete. Affiliation agreements with various hospitals enable SJR State radiography students to gain valuable clinical experience in departments of radiology. During this clinical rotation students will observe and perform under direct and indirect supervision the application of those skills learned in the classroom and laboratory. This course is the first of five sequential clinical education courses.

RTE 1814**Clinical Education II**

(3 Credits – 18 Clinical Hours/week)
 Prerequisite: RTE 1804 with a "C" or higher. Affiliation agreements with various hospitals enable SJR State radiography students to gain valuable clinical experience in departments of radiology. During this clinical rotation students will observe and perform under direct and indirect supervision the application of those skills learned in the classroom and laboratory. This course is the second of five sequential clinical education courses.

RTE 1824**Clinical Education III**

(5 Credits – 30 Clinical Hours/week)
 Prerequisite: RTE 1814 with a "C" or higher. Affiliation agreements with various hospitals enable SJR State radiography students to gain valuable clinical experience in departments of radiology. During this clinical rotation students will observe and perform under direct and indirect supervision the application of those skills learned in the classroom and laboratory. This course is the third of five sequential clinical education courses.

RTE 2061**Radiologic Science Seminar**

(5 Credits – 5 Hours lecture)
 Prerequisite: RTE 1385, RTE 2573C, RTE 2782C with a "C" or higher. This course provides the student with a comprehensive review of all subject content covered on the American Registry of Radiologic Technologist national certification examination in radiography.

RTE 2573C**Special Imaging Modalities**

(3 Credits – 3 Hours lecture)
 Prerequisite: RTE 1513C and RTE 2613 with a "C" or higher. Study of the principles of computerized imaging, including computerized tomography (CT), Magnetic Resonance Imaging (MRI), Ultrasound, Digital Radiography, SPECT and PET. Study of applications in producing diagnostic images and safety issues in the various modalities. Will also emphasize normal and abnormal cross sectional anatomy.

RTE 2613**Radiologic Physics**

(3 Credits – 3 Hours lecture)

Prerequisite: RTE 1418C with a “C” or higher. This course is primarily concerned with the content specifications within the equipment operation and maintenance category of the ARRT examination in radiography. The topics include: X-ray generators, transformers, rectification systems, digital imaging units, electricity, magnetism, electromagnetism, X-ray tube, X-ray, production, X-ray imaging systems, fluoroscopic systems, conventional systems, and PACS systems. Evaluation of radiographic equipment and accessories will also be covered

RTE 2782C**Radiographic Pathology**

(3 Credits – 3 Hours lecture)

Prerequisite: RTE 1513C with a “C” or higher. This course will provide students with an understanding of the manifestations of pathological conditions and their relevance to radiographic procedures. Also discussed will be examples/sites, complications, prognosis, etiology of the disease and various imaging modalities used.

RTE 2844**Clinical Education IV**

(4 Credits – 24 Clinical Hours/week)

Prerequisite: RTE 1824 with a “C” or higher. Affiliation agreements with various hospitals enable SJR State radiography students to gain valuable clinical experience in departments of radiology. During this clinical rotation students will observe and perform under direct and indirect supervision the application of those skills learned in the classroom and laboratory. This course is the fourth of five sequential clinical education courses.

RTE 2854**Clinical Education V**

(4 Credits – 24 Clinical Hours/week)

Prerequisite: RTE 2844 with a “C” or higher. Affiliation agreements with various hospitals enable SJR State radiography students to gain valuable clinical experience in departments of radiology. During this clinical rotation students will observe and perform under direct and indirect supervision the application of those skills learned in the classroom and laboratory. This course is the fifth of five sequential clinical education courses.

SCIENCE

Science laboratory courses that have an assigned credit hour value will be assigned a separate grade from the lecture component. In the event that a student earns a passing grade in one component and not the other, only that component failed need be repeated. If the laboratory component of the course has no credit hour value assigned, a single grade is given to represent work done in both the course lecture and laboratory.

Prerequisite and corequisite requirements must be observed. Failure to enroll in required corequisites will result in administrative withdrawal from the course. In addition, if after registration a student decides to withdraw from either the lecture or the laboratory, he must also withdraw from its corequisite. However, during the last 10 days of the withdrawal period for fall and spring terms or during the last five days of the withdrawal period during summer terms, a student may request approval from the instructor to withdraw from a corequisite. This request requires approval by both the instructor and the dean of arts and sciences.

AST 1002**Introduction to Astronomy** ♦

(3 Credits - 3 Hours)

Prerequisite: MAT 1033. Corequisite: AST 1002L. The course includes topics on the solar system, stars, galaxies, and cosmology. Basic mathematical skills in arithmetic, equation solving, exponents, trigonometry, unit conversions, and logarithms are utilized.

AST 1002L**Laboratory for Introduction to Astronomy** ♦

(1 Credit - 2 Hours)

Corequisite: AST 1002. An introductory laboratory course with exercises on optics, telescope design and structure, spectra, and analysis of data from observations of the sun, moon, planets, and other celestial objects. Some required observing sessions may occur at times other than the scheduled laboratory classes.

BOT 2010**Botany** ♦

(4 Credits - 3 Hours)

Prerequisite: BSC 1005 and BSC 1005L or BSC 2010/2010L with grades of “C” or higher. Corequisite: BOT 2010L. A study of the major divisions of the plant kingdom with emphasis on morphology and physiology.

BOT 2010L**Laboratory for Botany** ♦

(0 Credits - 3 Hours) Corequisite: BOT 2010.

BSC 1005**General Biology** ♦

(3 Credits - 3 Hours)

Corequisite: BSC 1005L. An introduction to and application of fundamental biological concepts for non-science majors. The emphasis will be on major biological concepts such as cell structure and function, biochemistry and metabolism, genetics and the interrelationships among organisms. Students may use either BSC 1005 or BSC 2010 to fulfill general education science requirements.

BSC 1005L**Laboratory for General Biology** ♦

(1 Credit - 2 Hours) Corequisite: BSC 1005.

BSC 1020**Human Biology** ♦

(3 Credits - 3 Hours) Corequisite: BSC 1020L.

This is a course designed for students not majoring in biology. It includes study of the human body's major organ systems and processes. Human diseases, their prevention, treatment, and the bioethical issues they raise will be considered. This course is not designed to fulfill requirements for allied health students. Students may use either BSC 1020 or BSC 2085 to fulfill general education science requirements.

BSC 1020L**Laboratory for Human Biology** ♦

(1 Credit - 2 Hours) Corequisite: BSC 1020

BSC 2010**Principles of Biology I** ♦

(3 Credits - 3 Hours)

Corequisite: BSC 2010L. Primarily for science majors, this course emphasizes biology at the cellular level. Topics will include chemistry and biochemistry; cell structure and function; cell division, including mitosis and meiosis; metabolism, including cellular respiration and photosynthesis; and genetics, including Mendelian and molecular genetics and biotechnology. Students may use either BSC 1005 or BSC 2010 to fulfill general education science requirements.

BSC 2010**Honors Principles of Biology I** ♦

(3 Credits – 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program. Corequisite: BSC 2010L Honors. Primarily for science majors, this course emphasizes biology at the cellular level. Topics will include chemistry and biochemistry; cell structure and function; cell division, including mitosis and meiosis; metabolism, including cellular respiration and photosynthesis; and genetics, including Mendelian and molecular genetics and biotechnology. This course involves significant reading, writing, discussion and student participation. Students may use either BSC 1005 or BSC 2010 or BSC 2010H to fulfill general education science requirements.

BSC 2010L**Laboratory Principles of Biology I** ♦

(1 Credit - 3 Hours)

Corequisite: BSC 2010.

BSC 2010L**Honors Laboratory for Principles of Biology I** ♦

(1 Credit - 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program. Corequisite: BSC 2010 Honors.

BSC 2011**Principles of Biology II** ♦

(3 Credits - 3 Hours)

Prerequisite: BSC 2010 and BSC 2010L with a grade of "C" or higher. Corequisite: BSC 2011L. Primarily for science majors, this course emphasizes topics above the cellular level. Topics will include biodiversity; structure and function of tissues, organs, and systems within plants and animals; evolution and ecology.

BSC 2011**Honors Principles of Biology II** ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program and BSC 2010 and BSC 2010L, or BSC 2010 Honors and BSC 2010L Honors with a grade of "C" or higher. Corequisite: BSC 2011L Honors. Primarily for science majors, this course emphasizes topics above the cellular level. Topics will include biodiversity; structure and function of tissues, organs, and systems within plants and animals; evolution and ecology. This course involves significant reading, writing, discussion and student participation.

BSC 2011L**Laboratory Principles of Biology II** ♦

(1 Credit - 3 Hours) Corequisite: BSC 2011.

BSC 2011L**Honors Laboratory for Principles of Biology II** ♦

(1 Credit - 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program. Corequisite: BSC 2011 Honors.

BSC 2085**Human Anatomy and Physiology I** ♦

(3 Credits - 3 Hours)

Corequisite: BSC 2085L. This course provides students with an overview of cell structure and function, and a thorough understanding of the anatomy and physiology of the integumentary, skeletal, muscular, articular, nervous, and endocrine systems of the human body. Students may use either BSC 1020 or BSC 2085 to fulfill general education science requirements. This course is primarily for health science majors. Successful completion of one year of high school biology or BSC 1005 is recommended.

BSC 2085**Honors Human Anatomy and Physiology I** ♦

(3 Credits - 3 Hours)

Corequisite: BSC 2085L Honors. Prerequisite: Admission to the SJR State Honors Program. This course provides students with an overview of cell structure and function, and a thorough understanding of the anatomy and physiology of the integumentary, skeletal, muscular, nervous, and endocrine systems of the human body. Students may use either BSC 1020 or BSC 2085 to fulfill general education science requirements. This course involves significant reading, writing, discussion and student participation. This course is primarily for health science majors. Successful completion of one year of high school biology or BSC 1005 is recommended.

BSC 2085L**Laboratory for Human Anatomy and Physiology I** ♦

(1 Credit - 2 Hours)

Corequisite: BSC 2085.

BSC 2085L**Honors Laboratory for Human Anatomy and Physiology I** ♦

(1 Credit - 2 Hours)

Corequisite: BSC 2085 Honors. Prerequisite: Admission to the SJR State Honors Program.

BSC 2086**Human Anatomy and Physiology II** ♦

(3 Credits - 3 Hours)

Corequisite: BSC 2086L. Prerequisite: BSC 2085 and BSC 2085L with a grade of "C" or higher. This course is a continuation of BSC 2085. It provides students with a thorough understanding of the anatomy and physiology of the cardiovascular, respiratory, lymphatic, immune, digestive, urinary and reproductive systems of the human body.

BSC 2086**Honors Human Anatomy and Physiology II** ♦

(3 Credits - 3 Hours)

Corequisite: BSC 2086L Honors. Prerequisite: Admission to the SJR State Honors Program and BSC 2085 and BSC 2085L with a grade of "C" or higher. This course is a continuation of BSC 2085. It provides students with a thorough understanding of the anatomy and physiology of the cardiovascular, respiratory, lymphatic, immune, digestive, urinary and reproductive systems of the human body. This course involves significant reading, writing, discussion and student participation.

BSC 2086L**Laboratory for Human Anatomy and Physiology II** ♦

(1 Credit - 2 Hours)

Corequisite: BSC 2086.

BSC 2086L**Honors Laboratory for Human Anatomy and Physiology II** ♦

(1 Credit - 2 Hours)

Corequisite: BSC 2086 Honors. Prerequisite: Admission to the SJR State Honors Program.

BSC 2362**Tropical Ecology** ♦

(3 Credits - 3 Hours)

Corequisite: BSC 2362L. This course is to provide students an introduction to the principles of ecology and environmental science in a tropical climate. Introductory concepts and principles of tropical biology will also be covered. Successful completion of one year of high school biology or chemistry or BSC 1005 is recommended.

BSC 2362L**Laboratory for Tropical Ecology** ♦

(1 Credit - 2 Hours)

Corequisite: BSC 2362.

CHM 1020**Introduction to Chemistry** ♦

(3 Credits - 3 Hours)

Corequisite: CHM 1020L. Students will benefit from having taken high school algebra or MAT 0028 prior to enrolling in this course. This course is designed to provide the non-science major with an introduction to the basic concepts of chemistry with an emphasis on the impact of chemistry on modern society.

CHM 1020L**Laboratory for Introduction to Chemistry** ♦

(1 Credit - 2 Hours)

Corequisite: CHM 1020.

CHM 1032**Principles of General Chemistry** ♦

(3 Credits - 3 Hours)

Corequisite: CHM 1032L. Prerequisite: Satisfactory score on placement tests or completion of MAT 1033 with a grade of "C" or higher. A course designed primarily for students who are entering the allied health fields. Includes the

fundamental laws and theories of inorganic chemistry and an introduction to carbon chemistry. The applications of chemistry to health related fields will be stressed. This course does not meet general education science requirements.

CHM 1032L

Lab for Principles of General Chemistry ♦

(1 Credit - 3 Hours)

Corequisite: CHM 1032.

CHM 1045

General Chemistry I ♦

(3 Credits - 3 Hours)

Corequisite: CHM 1045L. Prerequisite: Successful completion of MAC 1105 or MAC 1147 with a grade of "C" or higher AND CHM 1020 or CHM 1032 with a grade of "C" or higher or one year of high school chemistry with a grade of "C" or higher. Students who have completed only one year of high school chemistry are strongly encouraged to take CHM 1020 or CHM 1032 before enrolling in CHM 1045. Course content includes atomic theory, chemical bonding, reaction stoichiometry, oxidation-reduction, behavior of gases, thermochemistry, and colligative properties.

CHM 1045L

Laboratory for General Chemistry I ♦

(1 Credit - 3 Hours)

Corequisite: CHM 1045.

CHM 1045

Honors General Chemistry I ♦

(3 Credits - 3 Hours)

Corequisite: CHM 1045L. Prerequisite: Admission to the SJR State Honors Program and successful completion of CHM 1020 or CHM 1032 with a grade of "C" or higher, or two years of high school chemistry with a grade of "C" or higher. Students who have completed one year of high school chemistry are strongly recommended to take CHM 1020 or CHM 1032 before enrolling in CHM 1045. Students must be concurrently enrolled in, or have completed, MAC 1105 or MAC 1147 with a grade of "C" or higher. Course content includes atomic theory, chemical bonding, reaction stoichiometry, oxidation-reduction, behavior of gases, thermochemistry, and colligative properties. This course involves significant reading, writing, discussion and student participation.

CHM 1045L

Honors Laboratory for General Chemistry I ♦

(1 Credit - 3 Hours)

Corequisite: CHM 1045 Honors.

CHM 1046

General Chemistry II ♦

(3 Credits - 3 Hours)

Prerequisite: CHM 1045 and CHM 1045L with a grade of "C" or higher. Corequisite: CHM 1046L. Topics include kinetics, acids and bases, equilibrium, thermodynamics, electrochemistry, and coordination chemistry.

CHM 1046L

Laboratory for General Chemistry II ♦

(1 Credit - 3 Hours)

Corequisite: CHM 1046. Includes qualitative analysis.

CHM 2210

Organic Chemistry I ♦

(3 Credits - 3 Hours)

Prerequisite: CHM 1046 and CHM 1046L with a grade of "C" or higher. Corequisite: CHM 2210L. A study of the structure, synthesis, reactions, and nomenclature of organic compounds.

CHM 2210L

Laboratory for Organic Chemistry I ♦

(1 Credit - 3 Hours) Corequisite: CHM 2210

CHM 2211

Organic Chemistry II ♦

(3 Credits - 3 Hours)

Prerequisite: CHM 2210 and CHM 2210L with a grade of "C" or higher. Corequisite: CHM 2211L. This course is a continuation of Organic Chemistry I.

CHM 2211L

Laboratory for Organic Chemistry II ♦

(1 Credit - 3 Hours) Corequisite: CHM 2211.

EGM 2511

Engineering Mechanics - Statics ♦

(3 Credits - 3 Hours)

Prerequisite: Successful completion of PHY 2048 and MAC 2312 with a grade of "C" or higher. This course covers the analysis of two and three dimensional force systems by vector algebra and the application of the principle of equilibrium to particles, rigid bodies and simple structures. Friction, distributed forces, center of gravity, centroids, and moment of inertia are introduced.

ESC 1000

Earth and Space Science ♦

(3 Credits - 3 Hours)

Corequisite: ESC 1000L. This course acquaints students with the study of the earth sciences at an introductory level. It includes a study of geology, oceanography, meteorology, and astronomy.

ESC 1000L

Laboratory for Earth and Space Science ♦

(1 Credits - 2 Hours)

Corequisite: ESC 1000. This is a lab course designed to supplement ESC 1000. Students will learn to identify rocks and minerals, interpret geologic maps and explore the concepts of earth dynamics and astronomy.

EVR 1001

Introduction to Environmental Science ♦

(3 Credits - 3 Hours)

Corequisite: EVR 1001L. This course introduces the major topics in the environmental field. The scientific, social, political and economic aspects of environmental issues will be explored including environmental ethics and environmental law. Through written and/or oral assignments and hand-on investigations, students will learn about the different processes affecting ecosystems, especially those in Florida.

EVR 1001L

Laboratory for Introduction to Environmental Science ♦

(1 Credit - 2 Hours)

Corequisite: EVR 1001.

HUN 1201

Human Nutrition ♦

(3 Credits - 3 Hours)

An introduction to basic principles of nutrition. Emphasis will be on metabolic pathways, nutrient requirements, and nutrition and disease throughout the life cycle.

MCB 2010

Microbiology ♦

(4 Credits - 3 Hours)

Prerequisite: BSC 2086 and BSC 2086L, or BSC 2085 and BSC 2085L and biology and biology lab (BSC 1005 and BSC 1005L, or BSC 2010 and BSC 2010L), all with a grade of "C" or higher. Corequisite: MCB 2010L. A basic study of microorganisms with emphasis on scientific principles within a laboratory framework. The student will be exposed to a variety of laboratory procedures.

MCB 2010

Honors Microbiology ♦

(4 Credits - 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program and BSC 2086 and BSC 2086L, or BSC 2085 and BSC 2085L and biology and biology lab (BSC 1005 and BSC 1005L, or BSC 2010 and BSC 2010L), all with a "C" or higher. Coreq-

quisite: MCB 2010L Honors. A basic study of microorganisms with emphasis on scientific principles within a laboratory framework. The student will be exposed to a variety of laboratory procedures. This course involves significant reading, writing, discussion and student participation.

MCB 2010L

Laboratory for Microbiology ♦

(0 Credits - 3 Hours) Corequisite: MCB 2010.

MCB 2010L

Honors Laboratory for Microbiology ♦

(0 Credits - 3 Hours) Corequisite: MCB 2010 Honors.

OCB 1000

Marine Biology ♦

(3 Credits - 3 Hours)

Corequisite: OCB 1000L. This course is a broad introduction to the biology of the seas and its inhabitants. Emphasis will be on the structure, form and function, physiological and behavioral adaptations and a survey of the major local marine organisms and habitat zones. Special attention will be given to unique habitats like coral reefs, estuaries, sea grass beds and mangrove areas. Discussions will include the relationship of the physical, biological and chemical environments to the overall distribution of marine plants and animals. This course will also address man's impact on the ocean environment.

OCB 1000L

Laboratory for Marine Biology ♦

(1 Credits - 2 Hours) Corequisite: OCB 1000.

PHY 1020

Introduction to Physics ♦

(3 Credits - 3 Hours)

Prerequisite: Satisfactory score on math placement tests, or completion of MAT 1033 with a grade of "C" or higher. Corequisite: PHY 1020L. This course is an introduction to classical physics involving a study of motion, fundamental forces, conservation laws of energy and momentum, light waves, electricity and magnetism. Some of the history of physics will be included in addition to brief biographies of a select group of leading classical physicists. An exposure to the philosophy of science and the scientific method forms an essential component of this course. The course is intended for students who have had no previous physics course, including high school physics. This course cannot be used by natural sciences majors to satisfy degree requirements.

PHY 1020 L

Laboratory for Introduction to Physics ♦

(1 Credit - 2 Hours)

Corequisite: PHY 1020. This course is the laboratory that explores the topics covered in the PHY 1020 Introduction to Physics lecture course. The experiments will involve laboratory exercises dealing with kinematics of free fall and projectile motion, forces and motion, laws of conservation of energy and momentum, optical laws of reflection and refraction, the behavior of lenses, basic electric circuits, electromagnetic forces, standing waves, and heat phenomena.

PHY 1053

General Physics I ♦

(3 Credits - 3 Hours)

Corequisite: PHY 1053L. Prerequisite: Completion of MAC 1105 with a grade of "C" or higher required; knowledge of trigonometry is recommended. This course is primarily designed for biological and health science majors, or others not majoring in the physical sciences. The concepts discussed are mechanics, waves, and heat.

PHY 1053L

Laboratory for General Physics I ♦

(1 Credit - 3 Hours) Corequisite: PHY 1053.

PHY 1054

General Physics II ♦

(3 Credits - 3 Hours)

Prerequisite: PHY 1053 and PHY 1053L with a grade of "C" or higher. Corequisite: PHY 1054L. A continuation of PHY 1053. Electricity, magnetism, waves, optics, and modern topics of physics are the areas of study.

PHY 1054L

Laboratory for General Physics II ♦

(1 Credit - 3 Hours) Corequisite: PHY 1054.

PHY 2048

Physics I with Calculus ♦

(3 Credits - 3 Hours)

Prerequisite: MAC 2311 with a grade of "C" or higher. Corequisite: PHY 2048L. An introduction to physics utilizing the fundamentals of differential and integral calculus, with an emphasis on theory. The areas of study include mechanics, heat, and wave motion.

PHY 2048L

Laboratory for Physics I with Calculus ♦

(1 Credit - 3 Hours)

Corequisite: PHY 2048.

PHY 2049

Physics II with Calculus ♦

(3 Credits - 3 Hours)

Prerequisite: PHY 2048 and PHY 2048L with a grade of "C" or higher. Corequisite: PHY 2049L. A continuation of PHY 2048, including the areas of sound, light, charged particle motion in electric and magnetic fields, circuits, magnetism, and nuclear physics.

PHY 2049L

Laboratory for Physics II with Calculus ♦

(1 Credit - 3 Hours) Corequisite: PHY 2049.

PSC 1341

Physical Science ♦

(3 Credits - 3 Hours)

Prerequisite: Satisfactory score on placement tests, or completion of MAT 1033 with a grade of "C" or higher. Corequisite: PSC 1341L. The primary aim of this course is to provide the student with an understanding of some of the basic concepts of physics and chemistry. These concepts are carried through problem solving using formulas requiring a basic understanding of algebra.

PSC 1341L

Laboratory for Physical Science ♦

(1 Credit - 2 Hours) Corequisite: PSC 1341.

PSC 2905

Special Problems in Science ♦

(1 - 3 Credits)

Directed studies in the area of the sciences. Application to do work in special problems must be made to the instructor who is to direct the study. A design of the study will be presented to the instructor and must be approved by the dean of arts and sciences.

ZOO 2010

Zoology ♦

(4 Credits - 3 Hours)

Prerequisite: BSC 1005 and BSC 1005L or BSC 2010 and BSC 2010L with grades of "C" or higher. Corequisite: ZOO 2010L. A study of major phyla of the animal kingdom with emphasis upon the structure, function and evolutionary relationships.

ZOO 2010L

Laboratory for Zoology ♦

(0 Credits - 3 Hours) Corequisite: ZOO 2010.

SOCIAL SCIENCE

AFA 2000

Minorities: The African-American Experience ♦

(3 Credits - 3 Hours)

The Black experience in the African diaspora; interdisciplinary examination of texts, theories, practices, and philosophic foundations in African - American cultural and sociological history.

AMH 1070

Florida Heritage ♦

(3 Credits - 3 Hours)

A survey of the culture, economy, government, geography, history, and natural resources of Florida. Emphasis is given to the rapid progress in the development of agriculture, industry, and education during the past 20 years.

AMH 2010

United States History to 1877 ♦

(3 Credits - 3 Hours)

A study of the social, economic, political, religious, intellectual, and cultural factors that contributed to the growth of the United States from European backgrounds to 1877.

AMH 2010

Honors United States History to 1877 ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program. A study of the social, economic, political, religious, intellectual, and cultural factors that contributed to the growth of the United States from European backgrounds to 1877. This course involves significant reading, writing, discussion and student participation.

AMH 2020

United States History since 1877 ♦

(3 Credits - 3 Hours)

A study of the social, economic, political, religious, intellectual, and cultural factors that contributed to the growth of the United States since 1877. Emphasis is placed upon the factors that have changed the United States from a rural-agricultural nation to an urban-industrial world power. AMH 2010 is not a prerequisite for this course.

AMH 2020

Honors United States History since 1877 ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program. A study of the social, economic, political, religious, intellectual, and cultural factors that contributed to the growth of the United States since 1877. Emphasis is placed upon the factors that have changed the United States from a rural-agricultural nation to an urban-industrial world power. This course involves significant reading, writing, discussion and student participation.

ANT 2000

General Anthropology ♦

(3 Credits - 3 Hours)

A wide-range survey of man's biological and cultural nature. Topics include primates, early hominids, human variation, language, sex, magic, art, religion, evolution, and the origins of civilization.

ANT 2100

Introduction to Archaeology ♦

(3 Credits - 3 Hours)

This course provides an introduction to archaeology from a scientific perspective. It will explain how archaeologists locate, analyze, and interpret evidence from the past with the goal of better understanding our human past. The history of archaeology is traced from its origins to its emergence as a scientific discipline within anthropology.

ANT 2511

Human Origins ♦

(3 Hours - 3 Credits)

This course provides a survey of human biological and cultural evolution from early pre-Pleistocene hominids through the development of agriculture, with the goal of better understanding our human heritage.

CLP 2140

Abnormal Psychology ♦

(3 Credits - 3 Hours)

Prerequisite: PSY 2012 with a grade of "C" or higher. An introduction to mental illness, its definition, classification, and treatment. Includes the historical background of abnormal psychology, the major conceptualizations, and the nature and descriptions of psychological disorders. Assumes knowledge of concepts typically learned in an introductory psychology course.

DEP 2002

Child Psychology ♦

(3 Credits - 3 Hours)

Prerequisite: PSY 2012 or DEP 2004 with a grade of "C" or higher.

A study of the development of the child from birth to the adolescent years. Emphasizes developmental and psychosocial aspects of childhood, including heredity, environment, maturational, intellectual, physical, psychological, and social determinants of a child's world.

DEP 2004

Human Growth and Development ♦

(3 Credits - 3 Hours)

A study of the interactions of physical growth, health, cognitive maturation, family and social networks in the development of persons of all ages. All psychological aspects of development through the life cycle are considered.

DEP 2004

Honors Human Growth and Development ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program. A study of the interactions of physical growth, health, cognitive maturation, family and social networks in the development of persons of all ages. All psychological aspects of development through the life cycle are considered. This course involves significant reading, writing, discussion and student participation.

DEP 2302

Adolescent Psychology ♦

(3 Credits - 3 Hours)

Prerequisite: PSY 2012 or DEP 2004 with a grade of "C" or higher. A topical approach to the study of adolescence describing developmental patterns associated with identity, puberty, thought, and moral judgement relating to environmental influences with suggested applications for parents, teachers, counselors, nurses, and social workers.

DEP 2402

Psychology of Adulthood and Aging ♦

(3 Credits - 3 Hours)

Prerequisite: PSY 2012 or DEP 2004 with a grade of "C" or higher. This course examines the physical, social, cognitive, and psychological characteristics of individuals during early, middle, and late adulthood. The course will investigate key events in adult and family life such as marriage, choice of occupation, parenthood, and retirement and the aging process.

ECO 1931

Financial Literacy ♦

(1 Credit - 1 Hour)

This course will provide students with skills, knowledge, and problem solving techniques. It uses core personal finance literacy concepts that can be incorporated into student's daily lives. Topics include budgeting, financial goal setting, saving and investment, responsible use of credit, rent and mortgages, taxes and insurance.

ECO 2013**Macroeconomics ♦**

(3 Credits - 3 Hours)

A study of the phenomena that affect a working economy, including inflation, unemployment, the business cycle, aggregate supply and demand, money, monetary and fiscal policy and trade. Also the workings of markets and short-run, as well as, long-run equilibrium are examined.

ECO 2013**Honors Macroeconomics ♦**

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program. A study of the phenomena that affect a working economy, including inflation, unemployment, the business cycle, aggregate supply and demand, money, monetary and fiscal policy and trade. Also the workings of markets and short-run, as well as, long-run equilibrium are examined. This course involves significant reading, writing, discussion, and student participation.

ECO 2023**Microeconomics ♦**

(3 Credits - 3 Hours)

A study of an economy's components, namely, households, firms and the markets in which they interact. A strong emphasis is placed on the competitive (or lack of) environment of the firm, a deeper examination of market outcomes and government intervention.

ECO 2023**Honors Microeconomics ♦**

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program. A study of an economy's components, namely, households, firms and the markets in which they interact. A strong emphasis is placed on the competitive (or lack of) environment of the firm, a deeper examination of market outcomes and government intervention. This course involves significant reading, writing, discussion, and student participation.

IDS 1110**Honors Explorations ♦**

(3 Hours - 3 Credits)

Prerequisite: Admission to the SJR State College Honors Program. This course teaches the nature of knowledge acquisition throughout the General Education curriculum. The course is taught by Honors faculty and draws its cross-disciplinary content from the fields of Communications, Social Sciences, Humanities, and Natural Sciences/Mathematics. The fundamental goal of the course is to help students appreciate the interconnectedness of knowledge across the entire range of academic disciplines while integrating skills for success in both college and the professional world. Required as an orientation course for all students entering the Honors Program.

INR 2002**International Relations ♦**

(3 Credits - 3 Hours)

An introduction designed to give the student a basic understanding of theories explaining international political and economic actions and outcomes, including analysis of and developments in: international state systems, power relations, diplomacy, international law, international organizations, foreign policy decision-making, and issues regarding trade, environment and technology.

ISS 2160**Cultural Diversity in the United States ♦**

(3 Credits - 3 Hours)

This course focuses on the great racial and ethnic diversity of contemporary U.S. society. It explores both the positive contributions and negative experiences of a variety of racial and ethnic groups. Topics covered include: cultural concepts, terms and theories used to understand culturally diverse populations; United States population demographics; historical, social and legal influences on racial and ethnic groups; deaf culture; religious minorities; and cultural diversity reflected in current events.

ISS 2905**Special Problems in Social Science ♦**

(1-3 Credits)

Directed studies in the area of the social sciences provide for independent research in the social sciences. Application to do work in special problems must be made to the instructor who is to direct the study. A design of the study will be presented to the instructor and must be approved by the dean of arts and sciences.

POS 1041**United States Federal Government ♦**

(3 Credits - 3 Hours)

Basic aspects of the Federal Government are studied. Emphasis is placed on content and interpretation of the Constitution, Federalism, the Congress, the Presidency, and the Federal Court System as related to current problems in civil rights, economics and foreign policy. The operations of input mechanisms and institutions such as voters, public opinion, interest groups and political parties are analyzed.

POS 1041**Honors United States Federal Government ♦**

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program. Basic aspects of the Federal Government are studied. Emphasis is placed on content and interpretation of the Constitution, federalism, the Congress, the Presidency, and the Federal Court System as related to current problems in civil rights, economics and foreign policy. The operations of input mechanisms and institutions such as voters, public opinion, interest groups and political parties are analyzed. This course involves significant reading, writing, discussion and student participation.

POS 1112**State and Local Government ♦**

(3 Credits - 3 Hours)

Activities and functions of state, regional, county, city, and special district governments are studied. Florida's constitution and structure, parties, politics, elections, interest/ethnic groups, public opinion and governmental services are examined and compared with those of other states in the U.S. Important environmental and growth management problems are analyzed.

POT 2002**Introduction to Political Theory ♦**

(3 Credits - 3 Hours)

This course aims to provide students with an overview of some of the main traditions and themes in Western political theory/philosophy. Students will be exposed to some classic pieces in this field and will receive training in how to approach and work with theoretical and philosophical texts from various periods. In engaging with these texts the course attempts to tackle some of the fundamental questions (and some exemplary answers) that pervade the realm of politics: What is the purpose of government, what is the nature of democracy and how do individuals relate to the communities they live in? The students will engage with the authors in their respective historical contexts and examine to what extent these classic texts can still guide our perception of current political affairs.

PSY 2012**General Psychology ♦**

(3 Credits - 3 Hours)

An introduction to psychology designed especially for transfer students. Major areas include: the nature of man, human development, motivation, abnormal behavior, personality, learning perception, social behavior, brain - behavior, relationships, physiology and animal behavior.

PSY 2012**Honors General Psychology ♦**

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program. An introduction to Psychology designed especially for transfer students. Major areas include: the nature of man, human development, motivation, abnormal behavior, personality, learning, perception, social behavior, brain-behavior, relationships, physiology and animal behavior. This course involves significant reading, writing, dis-

cussion and student participation.

PSY 2602

The Evolution of Modern Psychology ♦

(3 Credits - 3 Hours)

Prerequisite: PSY 2012 with a grade of "C" or higher. This history and systems course will examine influential experiments conducted in psychology over the last 100 years. These landmark studies have influenced and, at times, changed psychological principles and ethical standards. These major studies are in the areas of biopsychology, learning, memory, development, emotion, motivation, personality, psychopathology, therapies, and social psychology.

PSY 2905

Special Problems in Psychology ♦

(3 Credits - 3 Hours)

Directed studies in the area of psychology. Application to do work in special problems must be made to the instructor who is to direct the study. A design of the study will be presented to the instructor and must be approved by the dean of arts and sciences.

SLS 1101

College Success Skills ♦

(3 Credits - 3 Hours)

A course designed to teach students the behaviors consistent with success in academic settings. Opportunity is provided via lecture, individual and group activities, and tests for learning and practicing effective ways of coping with the demands of college life. Topics include note and test-taking strategies, active listening skills, reading strategies, mnemonics, proper management of time and money, goal setting, awareness of resources, and positive attitude development. This course may not be used for social science credit.

SLS 1301

Life and Career Development ♦

(3 Credits - 3 Hours)

A course designed to aid the college student in life and career planning. Areas of opportunity in the employment market, as well as appropriate educational programs in preparing for those employment areas, are discussed. Modern techniques and standardized testing are utilized in assisting the student in personal career and life choices. Students will be involved in activities that provide opportunities for exploration and practice in job seeking techniques, resume writing, life and career choices, and interviewing skills.

SLS 1401

Comprehensive Career Exploration ♦

(3 Credits - 3 Hours)

A course designed to facilitate life and career decision-making through a process of developing self-awareness. Students will be involved in activities that encourage examination of personality characteristics, interests, personal and occupational values. Techniques in career research will be explored and practiced. The World of Work will be explored through job search strategies. Opportunities will be provided for exploration of ethical concerns, attitudes, beliefs and abilities as they relate to career and life choices.

SYG 1000

Introduction to Sociology ♦

(3 Credits - 3 Hours)

An introductory course covering six basic areas: the sociological perspective, social influences, social behavior, social inequality, social institutions, and social change. Topics include sociological reasoning, culture, personality development, groups, deviance, ethnic and racial minorities, the family, and population.

SYG 1000

Honors Introduction to Sociology ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State Honors Program. An introductory course covering six basic areas: the sociological perspective, social influences, social behavior, social inequality, social institutions, and social change. Topics include sociological reasoning, culture, personality development, groups, deviance, ethnic and racial minorities, the family, and population. This course in-

volves significant reading, writing, discussion and student participation.

SYG 1430

Marriage and the Family ♦

(3 Credits - 3 Hours)

A functional course designed to help the student understand and manage the problems and adjustments encountered in marriage and family living. Emphasis is placed on preparation for marriage, spouse selection, the causes and resolution of marital conflict, sexual roles, parenthood, family finance management, and an exploration of current changes in values and structures.

SYG 2010

Contemporary Social Problems ♦

(3 Credits - 3 Hours)

This course covers the nature, development, and dimensions of social problems in contemporary society. Problems are studied from three perspectives: symbolic interaction theory, functionalist theory, and conflict theory.

WOH 1012

World Civilization to 1600 ♦

(3 Credits - 3 Hours)

A survey course tracing the development, growth, and interaction of civilized societies from prehistoric times to the 17th century, showing their influences on each other and their contributions to human culture.

WOH 1012

Honors World Civilization to 1600 ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program. A survey course tracing the development, growth, and interaction of civilized societies from prehistoric times to the 17th century, showing their influences on each other and their contributions to human culture. This course involves significant reading, writing, discussion, and student participation.

WOH 1022

World Civilization since 1600 ♦

(3 Credits - 3 Hours)

A survey of civilization from the 17th century to the present. Topics include industrialization, nationalism, imperialism, the emergence of the modern state system, U. S. constitutional development, revolutions and wars of the 20th century, and the present world structure.

WOH 1022

Honors World Civilization since 1600 ♦

(3 Credits - 3 Hours)

Prerequisite: Admission to the SJR State College Honors Program. A survey of civilization from the 17th century to the present. Topics include industrialization, nationalism, imperialism, the emergence of the modern state system, U.S. constitutional development, revolutions and wars of the 20th century, and the present world structure. This course involves significant reading, writing, discussion, and student participation.

COURSE DESCRIPTIONS - FLORIDA SCHOOL OF THE ARTS

ST. JOHNS RIVER STATE COLLEGE

All courses are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). For more information on SCNS and the transferability of courses see page 168.

Unless indicated otherwise, registration in the courses listed below is limited to those students who have been admitted to the Florida School of the Arts.

- + Open to any SJR State student
- ◆ Meets A.A. degree requirements

VISUAL ART

FOUNDATION

ARH 1006

Visual Ideas: Portfolio Seminar ◆

(1 Credit - 1 Hour)

A comprehensive study of aesthetics and the historical development of art intended to jump-start the visual arts student's awareness of the art world, focusing on the development of the modernist aesthetic and its evolution into postmodern and contemporary art. An exit grade of "C" or higher is required.

ART 1201C

Two-Dimensional Design + ◆

(3 Credits - 6 Hours)

A studio investigation of basic visual phenomena in a two-dimensional design. Emphasis on the formal elements (line, shape, value, color, and texture) and the principles of design in the organization of the picture plane. An exit grade of "C" or higher is required.

ART 1300C

Drawing I + ◆

(3 Credits - 6 Hours)

Structured to develop basic drawing techniques by concentration on the elements of descriptive drawing – line, proportion, composition and full value – using a wide range of media. An exit grade of "C" or higher is required.

ART 1301C

Drawing II ◆

(3 Credits - 6 Hours)

Prerequisites: ART 1201C and ART 1300C or permission of the instructor. Develop and refine your eye for drawing and composition by exploring art elements: shape, form, space, line, texture, unity, harmony, repetition, proportion, balance and movement. Several drawing techniques will be used to develop your own drawing style with classroom critique as constructive guide. The class is also designed to make you think and talk about art in ways that can strengthen your technical and conceptual skills. An exit grade of "C" or higher is required.

ART 2203C

Three-Dimensional Design ◆

(3 Credits - 6 Hours)

Prerequisites: ART 1201C and ART 1300C or permission of the instructor. A focus on the structural and spatial exploration of the three-dimensional form through a variety of media with an emphasis on design and construction. Students will develop presentation skills and craftsmanship, while formulating problem-solving skills and concept generation. An exit grade of "C" or higher is required.

ART 2955

Portfolio Presentation: Capstone Seminar ◆

(1 Credit - 1 Hour)

Prerequisites: ARH 1006, DIG 2580, GRA 1413. A focused development of pre-

sentation skills through a cohesive and professional print and digital portfolio that meets requirements for graduation. Also includes completion of self-directed studio work and preparation for a graduating exhibition that completes the Florida School of the Arts Visual Arts curriculum.

DIG 1000

Introduction To Digital Media ◆

(3 Credits - 3 Hours)

A digital foundation course that explores the principles of creative design. Basic concepts of visual communication are examined as well as the practical application of design principles. Introduction of Apple OSX platform, digital lab equipment as well as the study of Adobe Creative Suite software will be addressed. An exit grade of "C" or higher is required.

DIG 2580

Digital Portfolio: Portfolio Seminar ◆

(1 Credit - 1 Hour)

Through lecture research and demonstration this course will address strategies for exploring and creating dynamic digital portfolios. Students will study contemporary practices used to effectively present both digital and analog works. Students will research and produce a showcase portfolio of current works as well as preparing a developmental portfolio presentation. An exit grade of "C" or higher is required.

GRA 1413

Professional Development: Portfolio Seminar ◆

(1 Credit - 1 Hour)

Development of career exploration skills as well as preparation of a resume and cover letter, job interviewing exercises and presentation of portfolio. An exit grade of "C" or higher is required.

PGY 1800

Photographic Techniques + ◆

(3 Credits - 3 Hours)

An introduction to observational seeing through an exploration of the digital photographic image. Students explore two dimensional design principles in the context of photography. Fundamental functions of the camera, creative exposure techniques, effective composition and exploring qualities of light will be emphasized. Digital camera with Manual Control required. An exit grade of "C" or higher is required.

STUDIO ART

ART 1400C

Printmaking I + ◆

(3 Credits - 6 Hours)

An introduction to the medium of printmaking, concentrating on the technical production of various print media including: Intaglio, relief, monoprint and serigraphy (screen printing). Emphasis on drawing, design, and understanding the technical procedures and the investigation of the positive/negative concepts, as well as color printing. An exit grade of "C" or higher is required.

ART 1540C

Watercolor I + ◆

(3 Credits - 6 Hours)

Techniques in the use of the watercolor medium in wet and dry methods, composition, and matting of paintings. An exit grade of "C" or higher is required.

ART 1541C

Watercolor II ◆

(3 Credits - 6 Hours)

Prerequisite: ART 1540C or permission of the instructor. Advanced techniques of the watercolor medium such as wet in wet, flat and graded washes, plus glazing

techniques and advanced composition theories. An exit grade of "C" or higher is required.

ART 2164C

Mixed Media ♦

(3 Credits - 6 Hours)

Prerequisite: ART 2203C. An exploration of the boundaries between the flat two-dimensional image and three-dimensional space by researching relevant artists from the Modern to present and by creating artwork utilizing a variety of media and formats. Students will develop presentation skills and craftsmanship, while formulating problem-solving skills and concept generation. An exit grade of "C" or higher is required.

ART 2330C

Figure Drawing ♦

(3 Credits - 6 Hours)

Prerequisite: ART 1300C. This course is an introduction to drawing the forms of the human figure. Working in a variety of media, students will learn and develop their understanding of gesture, mass, proportion, light & shade, movement, composition and pictorial space. This is a studio and lecture course. An exit grade of "C" or higher is required.

ART 2402C

Printmaking II ♦

(3 Credits - 6 Hours)

Prerequisite: ART 1400C. Techniques in a selected printing area or mixed media. Personal expression through printing methods. Emphasis on edition printing. An exit grade of "C" or higher required.

ART 2500C

Painting I ♦

(3 Credits - 6 Hours)

Fundamentals of basic painting methods emphasizing values, composition, paint handling, and understanding of materials. Students will work from nature to develop eye-hand coordination with the paint medium. An exit grade of "C" or higher is required.

ART 2501C

Painting II ♦

(3 Credits - 6 Hours)

Prerequisite: ART 2500C or permission of the instructor. Further development of the fundamentals of composition developing toward color usage and orchestration. An exit grade of "C" or higher is required.

ART 2502C

Figure Painting ♦

(3 Credits - 6 Hours)

Prerequisite: ART 1300C. Approaches to the rendering of the human figure are explored and developed through the studies, sketches and studio paintings from life models. Oil and/or acrylic mediums, grounds and techniques are developed as well as solvent-free oil processes. Students build on basic painting, focusing on techniques that relate to the painting of the figure such as *ala prima*, glazing, scumbling and other brushwork. An exit grade of "C" or higher is required.

ART 2701C

Sculpture I ♦

(3 Credits - 6 Hours)

Prerequisite: ART 2230C. An exploration of traditional and contemporary sculpture utilizing techniques of subtraction, addition, construction and substitution. Emphasis will also be placed on conceptual development. An exit grade of "C" or higher is required.

ART 2702C

Sculpture II ♦

(3 Credit - 6 Hours)

Prerequisite: ART 2701C. Student will refine and expand on their craft in regards to the techniques learned in Sculpture I, and work to develop a personal and contemporary aesthetic. An exit grade of "C" or higher is required.

ART 2750C

Ceramics I +♦

(3 Credits - 6 Hours)

An introduction to the techniques and concepts of traditional and contemporary ceramics. Kiln and glaze technology, hand building, wheel throwing, and glaze technology will be studied in depth. An exit grade of "C" or higher is required.

ART 2751C

Ceramics II ♦

(3 Credits - 6 Hours)

Prerequisite: ART 2750C or permission of the instructor. A continuation in the methods and techniques introduced in Ceramics I. Development of a contemporary expression within the ceramics tradition is encouraged. An exit grade of "C" or higher is required.

ART 2930C

Special Topics in Art ♦

(1 - 3 Credits)

Investigation of topics of current interest to the student or instructor. Application to do work in Special Problems must be made to the instructor who is to direct the study. A design of the study must be presented to the instructor and approved by the Dean of Florida School of the Arts prior to the new semester. May be repeated 3 times for credit. An exit grade of "C" or higher is required.

GRAPHIC DESIGN/NEW MEDIA

DIG 1115C

Digital Imaging ♦

(3 Credits - 6 Hours)

An overview of raster based imaging materials and processing methods. Visual communication will be explored through the application of design principles and formal research. This course offers students a foundation for incorporating digital tools into their creative process as well as exploring the dynamics of visual communication. Students will prepare images by taking advantage of various output options including print, web, and multimedia presentation. An exit grade of "C" or higher is required.

GRA 1206C

Typography: Expressive and Experimental ♦

(3 Credits - 6 Hours)

Prerequisite: DIG 1000. Basic concepts and vocabulary of typography with an emphasis on the expressive potential of the letter form. Students will explore various typographic constructs and principles in a study of how the organization, stress and shape of letter forms can affect the ideas they are meant to communicate. An exit grade of "C" or higher is required.

DIG 2100

Web Design ♦

(3 Credits - 3 Hours)

Introduces the fundamentals of interactive design for electronic publishing. Students practice critical organizational methods as well as basic design and coding skills to create standard compliant web projects. An exit grade of "C" or higher is required.

GRA 2190C

Traditional and Digital Illustration ♦

(3 Credits - 6 Hours)

This studio/critique based course surveys the broad field of illustration through projects that explore areas such as advertising/promotional design, editorial art and narrative illustration. Students will examine current aesthetics, using both traditional and digital means in order to communicate ideas through visual imagery. An exit grade of "C" or higher is required.

GRA 2195C

Advertising Design ♦

(3 Credits - 3 Hours)

Prerequisites: DIG 1115C, GRA 1206C. An overview of design for advertising in-

cluding historical perspectives, business of ad design, and the design processes used to create such things as magazine ads, package design, editorial pages and various other commercial media. Students investigate marketing design and branding strategies through process oriented experiments and client interaction. An exit grade of "C" or higher is required.

DIG 2282C

Time Based Media ♦

(3 Credits - 6 Hours)

Prerequisite: DIG 1000. An introduction to the four-dimensional fundamentals of time based media. Aspects and elements of time will be emphasized along with basic production techniques and project planning. Aesthetic, historical, and conceptual issues will also be addressed as students explore time based media as an expressive and communicative art form. An exit grade of "C" or higher is required.

DIG 2284C

Imagery in Motion ♦

(3 Credits - 6 Hours)

Prerequisite: DIG 2282C. Concentration on experimental video and digital imaging methods. Using non-linear editing techniques and contemporary presentation concepts, students expand on previous studies of process development as they work toward incorporating various digital media into the production of technically accomplished and conceptually rich moving image projects. An exit grade of "C" or higher is required.

DIG 2930C

Special Topics in New Media Design ♦

(1 - 3 Credits)

An independent study course designed to enable a student to pursue a studio or research project not covered in his area of specialization. The direction of the study will be formulated with the instructor. Application to do work in special problems must be made to the instructor who is to direct the study. A design of the study must be presented to the instructor and approved by the Dean of Florida School of the Arts prior to the new semester. May be repeated 3 times for credit. An exit grade of "C" or higher is required.

NEW MEDIA/PHOTOGRAPHY

PGY 1201C

Media Lighting Techniques ♦

(3 Credits - 6 Hours)

This course addresses the basic characteristics and qualities of light as it relates to digital photography. Applications of compositional principles are coupled with detailed experiments that explore both natural and artificial lighting scenarios. Technical and aesthetic consideration is emphasized equally in each experiment. An exit grade of "C" or higher is required.

PGY 1446C

Experimental Photography ♦

(3 Credits - 6 Hours)

Prerequisite: PGY 1800. This course explores non-traditional methods in photographic image making. Digital and chemical photography techniques are explored with an emphasis on creative approaches. Students will use the processes addressed in this course as the formal elements of conceptual visual communication. While experience in photography is not required, it is preferred. An exit grade of "C" or higher is required.

PGY 2107C

Large Format Photography ♦

(3 Credits - 6 Hours)

Prerequisite: PGY 1800 and permission of instructor. Development of photographic vision and technical craft through the introduction and use of large format materials. Discussion and coursework will focus on the aesthetic possibilities and technical strategies of large format photography in relationship to various contemporary genres, as well as the role of scale, presentation and installation of the photographic print will be addressed. An exit grade of "C" or higher is required.

PGY 2220C

Commercial Photography ♦

(3 Credits - 6 Hours)

Overview of studio practices and location photography with an emphasis on the commercial context of image making. This will include both creative and technical assignments that challenge the student to sync vision with technique, beauty with function and content with craft. A exit grade of "C" or higher is required.

PGY 2905C

Special Topics in Photography ♦

(1 - 3 Credits)

An independent study course designed to enable a student to pursue a studio or research project not covered in the area of specialization. The direction of the study will be formulated with the instructor. Application to do work in the special problems must be made to the instructor who is to direct the study. A design of the study must be presented to the instructor and approved by the Dean of Florida School of the Arts prior to the new semester. May be repeated 3 times for credit. An exit grade of "C" or higher is required.

DANCE

STUDIO TECHNIQUE: BALLET

DAA 1200

Fundamentals of Ballet (non-majors) + ♦

(1 Credit - 2 Hours)

Study of classical ballet technique with emphasis on positions, barré exercises, center work and vocabulary.

DAA 1201

Fundamentals of Ballet II (non-majors) ♦

(2 Credits - 3 Hours)

Prerequisite: DAA 1200 or permission of instructor. Continuation of the study of classical ballet technique with emphasis on strength and technical development.

DAA 1204

Ballet I ♦

(2 Credits - 5 Hours)

Prerequisite: Audition and acceptance into Florida School of the Arts Dance program or permission of the instructor. This is the first of four leveled technique courses in the study of classical and contemporary ballet. An emphasis will be placed on correct alignment of the body, a progressive development of positions and barré exercises, as well as the application of classical ballet terminology at a beginner/intermediate level.

DAA 1205

Ballet II ♦

(2 Credits - 5 Hours)

Prerequisite: DAA 1204 or permission of the instructor. A continuation of first year ballet instruction to include more advanced and complex movement sequences within the study of classical and contemporary ballet with the emphasis still being placed on correct alignment, strength and technical development at an intermediate level.

DAA 2206

Ballet III ♦

(2 Credits - 5 Hours)

Prerequisite: DAA 1205 or permission of the instructor. Second year ballet technique courses include more evolved technical instruction with intensification of barré and center exercises for development of strength and form. An emphasis will be placed on the artistic quality of movement and phrasing at an intermediate/advanced level.

DAA 2207**Ballet IV ♦**

(2 Credits - 5 Hours)

Prerequisite: DAA 2206 or permission of the instructor. A continuation of second year ballet instruction with emphasis on artistry, stylization and performance at an intermediate/advanced level.

DAA 2220**Point or Men's Technique ♦**

(2 Credits - 3 Hours)

The study of intermediate/advanced ballet technique with special emphasis on point or men's technique.

DAA 2250**Partnering ♦**

(2 Credits - 3 Hours)

Prerequisite: Students must be enrolled in a Dance Majors level ballet class or have instructor permission. Introduction and development of partner supported dance technique with emphasis on balance, strength, style and performance.

DAA 2670**Ballet Repertory ♦**

(2 Credits - 3 Hours)

Study and preparation of classical ballet variations with emphasis on style, musical interpretation and dramatic intensity. Video reconstruction skills will be implemented to prepare students for professional company life.

STUDIO TECHNIQUE: CONTEMPORARY**DAA 1100****Fundamentals of Contemporary Dance I (non-majors) + ♦**

(1 Credit - 2 Hours)

This course will introduce students to the fundamentals of contemporary dance techniques. An emphasis will be placed on proper placement, execution of skills, and combinations of simple steps. Students will develop an artistic awareness of how to use movement as an expression of idea through physicality, kinesthetic self-awareness and development of musicality.

DAA 1104**Contemporary Dance I ♦**

(2 Credits - 5 Hours)

Prerequisite: Audition and acceptance into the Florida School of the Arts Dance program or permission of instructor. First year exploration of modern dance technique. Creative, theoretical and conceptual components based on modern dance pioneers as well as contemporary approaches will be emphasized. The course includes, but is not limited to, proper body alignment, mechanics of breathing and phrasing, and verbal and movement vocabulary.

DAA 1101**Intermediate Contemporary Dance (non-majors) + ♦**

(2 Credits - 2 Hours)

This course will develop students' skills in contemporary dance. Further development of basic technique skills will be gained as well as a special emphasis on retention and performance abilities. Continued focus on proper placement, execution of skills, and performing combinations of more advanced steps will be introduced in this course. Students will continue to develop an artistic awareness of how to use movement as an expression of idea through physicality, kinesthetic self-awareness and development of musicality. This course is open to the public; however, the student must have instructor permission or have taken Fundamentals of Contemporary Dance. The student with prior dance training may use the first day of class to audition for placement without having previously taken Fundamentals of Contemporary Dance.

DAA 1105**Contemporary Dance II ♦**

(2 Credits - 5 Hours)

Prerequisite: DAA 1104 or permission of the instructor. A continuation of first year modern dance instruction. Study will include, but is not limited to, proper

body alignment, mechanics of breathing and phrasing, and verbal and movement vocabulary.

DAA 2106**Contemporary Dance III ♦**

(2 Credits - 5 Hours)

Prerequisite: DAA 1105 or permission of the instructor. Intermediate study and exploration of modern dance technique and its theoretical concepts within the traditions of modern and contemporary dance. It emphasizes the mastery of modern dance technique at an intermediate level. The course combines movement artistry, quality, and phrasing with intermediate technical skills.

DAA 2107**Contemporary Dance IV ♦**

(2 Credits - 5 Hours)

Prerequisite: DAA 2106 or permission of the instructor. As the fourth and last course in the contemporary dance technique sequence, this course will emphasize the mastery of modern dance technique at an intermediate to advanced level. The course combines movement artistry, quality, and phrasing with advanced technical skills.

DAA 2661**Contemporary Repertory ♦**

(2 Credits - 3 Hours)

Prerequisite: DAA 1105 or permission of the instructor. The study and preparation of modern dance repertory with concentration on phrasing, musical interpretation, and style. Video reconstruction skills will be emphasized to prepare students for professional company life.

STUDIO TECHNIQUE: JAZZ**DAA 1500****Fundamentals of Jazz Dance (non-majors) + ♦**

(1 Credit - 2 Hours)

Exploration of basic/intermediate jazz dance technique and principles. An exit grade of "C" or higher is required for musical theater majors.

DAA 1501**Fundamentals of Jazz II (non-majors) ♦**

(2 Credits - 3 Hours)

Prerequisite: DAA 1500 or permission of instructor. The continuation of jazz technique with emphasis on vocabulary, steps, and technical development.

DAA 2504**Jazz Dance I ♦**

(2 Credits - 3 Hours)

Prerequisite: Audition and acceptance into the Florida School of the Arts Dance program or permission of instructor. Introduction to the fundamental vocabulary and technique of basic jazz dance, positions, weight distribution, arm movements, and syncopation.

DAA 2505 Jazz Dance II ♦

(2 Credits - 3 Hours)

Prerequisite: DAA 2504 or permission of the instructor. Introduction to the fundamentals of vocabulary and technique of jazz dance, incorporating a fusion of styles from popular dance and traditional contemporary modern jazz choreographers.

STUDIO TECHNIQUE: TAP**DAA 1520****Fundamentals of Tap Dance (non-majors) + ♦**

(1 Credit - 2 Hours)

The study of elementary/intermediate tap dance technique with emphasis on vocabulary, steps, rhythm, and dynamics. An exit grade of "C" or higher is required for musical theater majors.

DAA 1521**Fundamentals of Tap Dance II (non-majors) ♦**

(2 Credits - 3 Hours)

Prerequisite: DAA 1520 or permission of instructor. The continuation of study of tap dance technique with emphasis on vocabulary, steps, rhythm, and dynamics.

DAA 2521**Tap Dance I ♦**

(2 Credits - 3 Hours)

Prerequisite: Audition and acceptance into the Florida School of the Arts Dance program or permission of instructor. Beginning level tap technique course with emphasis on steps, rhythm, dynamics, style, phrasing, and performance.

DAA 2522**Tap Dance II ♦**

(2 Credits - 3 Hours)

Prerequisite: DAA 2521 or permission of the instructor. Intermediate level tap technique course with emphasis on steps, rhythm, dynamics, style, phrasing, and performance.

STUDIO TECHNIQUE: MUSICAL THEATER**DAA 2544****Musical Theater Dance Styles ♦**

(1 Credit - 2 Hours)

This course, designed for the musical theater major, presents basic styles of dance which commonly occur in musical theater. Study will include, but is not limited to, folk, ballroom and period movement.

DAA 2562**Musical Theater Tap ♦**

(1 Credit - 2 Hours)

Prerequisite: DAA 1520 or DAA 2521. Designed for the musical theater major, presents a study of tap technique directed to the needs of theatrical performance with emphasis on style, musical interpretation, rhythm, and dynamics.

DAA 2570**Musical Theater Jazz ♦**

(1 Credit - 2 Hours)

Prerequisite: DAA 1500 or DAA 2504. A continued study of jazz technique with an emphasis on theatrical jazz dance repertory. Student will learn a diverse selection of stylized jazz dances to advance the student's skills as performs within an ensemble and the theatrical environment.

CREATIVE STUDIES**DAA 1000****Fundamentals of Dance (non-majors) + ♦**

(1 Credit - 2 Hours)

This course will introduce the non-major student to the basic elements of dance performance. This is a course intended for beginning students interested in obtaining the fundamentals skills necessary to perform a variety of dance techniques including: ballet, jazz, contemporary, among others. The course will involve significant physical study with additional work including viewing filmed or live works, discussion, performance, lecture, and writing projects. This class is open to the public.

DAA 1680, 1681**Dance Ensemble I, II ♦**

(1 Credits - 3 Hours)

The study, preparation and performance of dance works with emphasis on technique, style, stage presence and professionalism as required for work in a dance ensemble.

DAA 2393C**World Dance +**

(2 Credits - 2 Hours)

The study of cultural expressions of dance from across the globe. Students will study basic elements of specific artistic and cultural dances selected from a

wide range of regions around the world. Study will include reviewing historical and contemporary works. Students will interact with course material through physical practice, lectures, video, discussions, and creative projects.

DAA 2610**Dance Composition & Improvisation I ♦**

(2 Credits - 3 Hours)

This course includes individual experience in developing movement phrases and combinations based on solving problems within a form and a movement framework, as well as the movement imagery designed to develop the dancer's creative imagination.

DAA 2611**Dance Composition & Improvisation II ♦**

(2 Credits - 3 Hours)

Prerequisite: DAA 2610. This course includes individual experience in developing movement phrases and combinations based on solving problems within a form and a movement framework, as well as the movement imagery designed to develop the dancer's creative imagination. Individuals will experience composition using the basic elements of movement theory with an emphasis on improvisation. Individuals will also experience the basic elements of choreography through composing phrases, sketches, transition and themes and variation in the form of studies for the solo dancer.

DAA 2750**Dance Conditioning + ♦**

(2 Credits - 2 Hours)

This course will prepare dancers with the physical and intellectual understanding to increase performance demands and longevity in professional dance careers. Through physical exercises, lectures and reading assignments, this course emphasizes training methods with special attention given to the concerns of the dancer: core stability, flexibility, kinesthetic self-awareness, proper alignment, coordination, nutrition, and basic anatomical understanding.

DAA 2933**Special Topics in Dance ♦**

(1-3 Credits)

Directed study in an area of dance and the dance profession. Application to do special studies must be made to the instructor who is to direct the study. A design of the study must be presented to the instructor and approved by the Dean of Florida School of the Arts prior to the new semester. May be repeated 3 times for credit.

DAN 2743**Pilates Body Conditioning + ♦**

(2 Credits - 2 Hours)

This course will introduce students to Pilates mat-work, standing exercises, and apparatus work. Through physical practice and discussion, this course emphasizes the development of core stability, flexibility, kinesthetic self-awareness, proper alignment and coordination to improve physical performance. Students completing the course will also leave with a working knowledge of Pilates repertory and physical training fundamentals as preparation to pursue Pilates and/or physical trainer certifications.

DANCE THEORY**DAN 2100****Survey of Dance + ♦**

(3 Credits - 3 Hours)

This course is designed as an introduction into the multicultural world of dance. It will include information on history, cultures and performance aspects of dance as an art form.

DAN 2600**Music for Dance ♦**

(2 Credits - 2 Hours)

Introductory course in music to introduce the dancer to the vocabulary and theoretical foundations of music. The acquisition of specific technical skills with

regard to performance will be accomplished through intensive drill as well as practical application.

MUSICAL THEATER

MUN 1641

Musical Theater Vocal Company ♦

(1 Credit - 3 Hours)

An ensemble designed for musical theater majors, dance entertainment majors or with the permission of instructor to improve vocal and physical presentation skills. A variety of musical styles including musical theater excerpts will be studied and performed. May be repeated 4 times for credit.

MUS 1010

Student Recital

(0 Credits - 1 Hour)

Corequisites: MVV 1871, MVV 2872, MVV 1111 or permission of instructor. Performance element for Beginning Voice, Intermediate Voice, and Class Voice I. Performance of literature studied in class for an audience. May include special lectures by faculty and guest artists. May be repeated.

MUS 2905

Special Problems in Musical Theater ♦

(1 - 3 Credits)

Directed studies in the area of music. Application to do work in special problems must be made to the instructor who is to direct the study. A design of the study must be presented to the instructor and approved by the Dean of Florida School of the Arts prior to the new semester. May be repeated 3 times for credit.

MUT 1001

Fundamentals of Music Theory

(2 Credits - 2 Hours)

Designed to prepare musical theater majors for Music Theory I. Introduction to music fundamentals, including notation, terminology, key signatures, scales, intervals, basic keyboard harmony and ear training. An exit grade of "C" or higher is required for musical theater majors.

MUT 1111

Music Theory I ♦

(3 Credits - 3 Hours)

Prerequisites: MUT 1001 and MVK 1111. Corequisite for musical theatre majors: MUT 1221. A continuation of MUT 1001 with emphasis placed on mastery of music fundamentals. May be repeated once for credit.

MUT 1221

Sight Singing I ♦

(1 Credit - 2 Hours)

Prerequisite: MUT 1001 and MVK 1111. Corequisite for musical theater majors: MUT 1111. A study of sight singing and ear training with emphasis upon diatonic materials.

MVK 1111

Class Piano I + ♦

(2 Credits - 2 Hours)

Beginning piano instruction for the student with little or no piano study. Emphasis is on general musicianship and basic piano techniques developing the student's ability to play and enjoy music on the elementary level. May be repeated once for credit. An exit grade of "C" or higher is required for musical theater majors.

MVV 1111

Class Voice I + ♦

(2 Credits - 2 Hours)

Voice production fundamentals: correct posture, use and control of breath, placement and development of tone, diction (vowels and consonants), and vo-

cal expression. May be repeated once for credit. An exit grade of "C" or higher is required for musical theater majors.

APPLIED MUSIC - PRIVATE INSTRUCTION

MVK 1871

Beginning Piano ♦

(1 Credit - 1/2 Hour) (2 Credits - 1 Hour)

Prerequisite: MVK 1111 with a grade of "C" or higher or permission of the instructor. Private instruction on the Elementary I-II level. May be repeated 3 times for credit.

MVK 2872

Intermediate Piano ♦

(1 Credit - 1/2 Hour) (2 Credits - 1 Hour)

Prerequisite: At least two terms of MVK 1111 with a grade of "C" or higher or permission of the instructor. Private instruction on the Intermediate I-II level. May be repeated 3 times for credit.

MVV 1871

Beginning Voice ♦

(1 Credit - 1/2 Hour) (2 Credits - 1 Hour)

Corequisites: MVV 1874L, MUS 1010, or permission of the instructor. Private instruction on the elementary-intermediate level. Emphasis on developing a strong foundation of breath control and correct vowel placement. Use of musical theater and classical literature. An exit grade of "C" or higher is required. May be repeated 3 times for credit.

MVV 1874L

Beginning Voice Lab

(0 Credits - 1 Hour)

Corequisites: MVV 1871, MUS 1010. Group technique lab component for students taking Beginning Voice. Emphasis given to warming up body and voice for singing. Technical exercises will be used to strengthen voice and prepare the student for a day of vocal use. May be repeated.

MVV 1875L

Intermediate Voice Lab

(0 Credits - 1 Hour)

Corequisites: MVV 2872, MUS 1010. Group Technique lab for students taking Intermediate Voice. Emphasis in expansion of techniques given to warming up the body and voice for singing given in Beginning Voice Lab. May be repeated.

MVV 2872

Intermediate Voice ♦

(1 Credit - 1/2 Hour) (2 Credits - 1 Hour)

Corequisites: MVV 1875L, MUS 1010, or permission of the instructor. Private instruction on an intermediate level. A continuation of skills studied in MVV 1871. A course designed to further develop the student's musical voice potential via foundations established in MVV 1871 of breath control and vowel placement. Use of musical theater and classical literature. An exit grade of "C" or higher is required. May be repeated 3 times for credit.

PRODUCTION DESIGN

TPA 1040

Costume Design ♦ +

(3 Credits - 3 Hours)

Examination of the fundamental techniques of costume design through a series of projects focusing on script/ character analysis, design principles, figure drawing, and visualization of design concept. Emphasis will be placed on imagination and problem solving shown through the design process and growth in both costume rendering and presentation.

TPA 1200**Introduction to Production/Design** ◆

(3 Credits - 3 Hours)

An introduction to the theories and methods used in script analysis, research design, construction and operation of production elements. Twenty hours of production work required. For non-production/design majors.

TPA 1202**Stagecraft** ◆ +

(3 Credits - 3 Hours)

Development of technical craft skills necessary to work in the Production/Design shops for theatre. An introduction to equipment, tools, and materials basic to the stage and shops are applied to the interpretation of drawings and their execution. For Production/Design majors only or permission of the instructor.

TPA 1232**Costume Construction I** + ◆

(3 Credits - 3 Hours)

An introduction to the study of theatrical costume construction techniques through work with costume shop equipment, basic hand and machine sewing, flat pattern drafting/draping, textiles/dyeing, and basic costume crafts. Emphasis is placed on the various skills needed to interpret a two dimensional design into a three dimensional costume for the stage.

TPA 1233**Costume Pattern Drafting and Draping** ◆ +

(3 Credits - 3 Hours)

Prerequisite: TPA 1232 or permission of instructor. The study and creation of advanced costume patterns through the use of flat patterning and draping techniques.

TPA 1248**Stage Make-Up** ◆

(3 Credits - 3 Hours)

Development of the skills needed to analyze and reproduce various physical characteristics in theatrical makeup. Stage makeup kit required.

TPA 1260**Sound for the Stage** ◆

(3 Credits - 3 Hours)

Prerequisite: TPA 1200, or TPA 1202, or permission of the instructor. An introduction to production sound design and basic audio equipment and systems. The course includes recording techniques, sound reinforcement, sound and sound effects research and sound composition for the stage and production.

TPA 1274**Stage Properties** ◆

(2 Credits - 2 Hours)

An introduction to the design and creation of practical scenic and hand properties. The course includes specialty tools, materials, crafting techniques and detailed processes required for the creation and or reproduction of stage properties.

TPA 1342**Drafting for the Stage** ◆

(3 Credits - 3 Hours)

Prerequisite: TPA 1200 or TPA 1202 or permission of instructor. Creation of drafted plates to build or implement scenery into shops and the theatrical spaces is fundamental. The course includes an introduction to the tools and techniques of drafting as well as theatrical standards, architectural research, and preparation of plates showing construction details and perspectives.

TPA 1600**Stage Management** ◆

(3 Credits - 6 Hours)

Prerequisite: Permission of the instructor is required for all non-majors. This course is the study and application of the methods and techniques used by the stage manager in all phases of the production process. The class is structured to mirror the production process beginning with pre-production and moving through audi-

tions, rehearsals, production meetings, performances and strike. Particular focus is given to the stage manager's role as the communication and organizational hub of the production in each phase of the process. In addition to class assignments, students serve as stage managers, assistant stage managers or production assistants in a realized production from the semester's production schedule.

TPA 1603**Stage Management Preparation and Practice** ◆

(1 Credit - 2 Hours)

Prerequisite: TPA 1600 Stage Management. Building on the foundation skills developed in TPA 1600, this course provides continued instruction and practical application in the stage management techniques and methods. Through the focus of a selected stage management project students are mentored to apply skills acquired in the previous class to the practical problems of one or more productions. The class places particular emphasis on problem solving, written and verbal communication, use and organization of the productions book and time-management skills. Resumes, stage management kits and sample books are also covered. This course will be repeated 2 times for credit.

TPA 2000**Theatre Design Basics** ◆ +

(3 Credits - 3 Contact Hours)

An exploration of the fundamental elements and principles of design and how they are applied in designing for the stage. Emphasis is placed on the visualization and execution of design concepts.

TPA 2063**Principles of Scenic Design** ◆

(3 Credits - 3 Hours)

Prerequisite: TPA 1342 or permission of instructor. An introduction to beginning design techniques. The course includes design process, research, design development, sketching, ground plan, perspective, rendering and model building.

TPA 2070**Scene Painting** ◆

(3 Credits - 3 Hours)

The study and application of stage scenery painting techniques. Involves equipment, preparation, color mixing, faux finish techniques, and lay-out. May be repeated 2 times for credit.

TPA 2071**Theatre Rendering Techniques** +

(3 Credits - 3 Hours)

This course explores specific rendering techniques used to create images that enhance visual communication in scenic, lighting, or costume design.

TPA 2083**Special Problems in Production/Design** ◆

(1 - 3 Credits)

A directed study in the area of Production/Design that provides for independent work related to the profession. Application to do work in special problems must be made to the instructor who is to direct the study. A design of the study must be presented to the instructor and approved by the Dean of Florida School of the Arts prior to the new semester. May be repeated 3 times for credit.

TPA 2091**Advanced Design** ◆

(1 Credits - 3 Hours)

Development of the design process through projects focused on analysis, design theory, concept development, and costume rendering. Emphasis is placed on the creative development, visualization and communication of design ideas and their execution. May be repeated 2 times for credit.

TPA 2220**Lighting Design** ◆

(3 Credits - 3 Hours)

An introduction to the design and use of light on stage. Coursework includes experimentation with properties of light, research and script analysis in regards

to light design and application, practical work with stage lighting instruments and programming control boards, drafting the plot and developing lighting paperwork, and the development of lighting techniques for theatre and dance.

TPA 2290L
Theatre Production Laboratory ♦

(1 Credit - 6 Hours)

The development of practical work in the various areas of theatrical production including pre-production and running crew assignments. May be repeated 4 times for credit.

TPA 2343
CAD for Theatre

(3 Credits - 3 Hours)

Prerequisite: TPA 1208 or permission of instructor. Projects oriented course covering fundamental through advanced material in computer aided drafting and design and its application for theatre.

THEATER

THE 1925

Play Production ♦

(1 Credit - 2 Hours)

Practical work in many of the aspects of play production, including technical and costuming work, performance assignments, running crews, stage management, and directing. May be repeated 2 times for credit.

THE 2300

Dramatic Literature + ♦

(3 Credits - 3 Hours)

Prerequisite: ENC 1101 with grade "C" or higher. Using Aristotle's Poetics as a foundation for script analysis, the class analyzes selected masterpieces of dramatic literature from a wide variety of genres. Focusing on modern works, the class examines the relationship between the theatre and the society which shapes it by exploring the historical and social contexts in which the playwrights were working.

TPP 1120

Improvisation for the Theater ♦

(3 Credits - 3 Hours)

Prerequisite: TPP 2100 or TPP 2110 or permission of instructor. This class explores the use of creativity and imagination engaging the actor in a wide variety of performance styles and character situations in a laboratory setting.

TPP 1514

Stage Movement for the Actor ♦

(3 Credits - 3 Hours)

This course focuses on developing the kinesthetic awareness and skills necessary for actors to function successfully in rehearsal and performance. The class uses a variety of physical skills and exercises to develop the actor's sense of balance, relaxation, coordination and control. Basic stage combat techniques are also introduced.

TPP 1710

Stage Voice I + ♦

(3 Credits - 3 Hours)

Analysis, interpretation, and presentation of selections from various types of literature, including narrative prose, poetry, and drama.

TPP 1810

Stage Speech I ♦

(3 Credits - 3 Hours)

This class provides actors the foundation skills necessary to care for and develop the full potential of their speaking voice. The physical mechanisms of speech and the corresponding vocabulary are identified. Core breathing techniques are introduced and explored. Proper articulation of speech sounds is empha-

sized through ongoing drills and exercises. Habits, techniques and concepts introduced in this class will be developed further in subsequent speech courses.

TPP 1811

Stage Speech II ♦

(3 Credits - 3 Hours)

Prerequisite: TPP 1810 with a grade of "C" or higher. Building on the foundation skills and vocabulary introduced in TPP 1810, this class continues the development of the actor's voice to its full potential. First, The International Phonetic alphabet is introduced and used to diagnose particular regional speech sounds that interfere with the actor's ability to present a Standard American dialect. Second, the elements of a vocal warm-up are introduced and students prepare warm-ups tailored to the needs of their own voices. The third component of the class explores how to present effective cold readings. Students are challenged with readings from a variety of genres and gain practical experience presenting them before the class.

TPP 2100

Introduction to Acting + ♦

(3 Credits - 3 Hours)

A survey course for non-acting majors in methods and acting techniques used to develop and perform a role from the text.

TPP 2110

Acting I ♦

(3 Credits - 6 Hours)

Acting I introduces the concepts, principles and skills needed to create and effectively communicate a believable character to an audience. The class places heavy emphasis on using the given circumstances as the source for character choices, using simple objectives to play identifiable actions and using appropriate and effective rehearsal techniques to achieve performance goals. Students will apply the above concepts to specific acting challenges in a variety of monologue and scene performances. The class culminates in combining a written character analysis with a performance of a scene from the selected text.

TPP 2111

Acting II ♦

(3 Credits - 6 Hours)

Prerequisite: TPP 2110 with a grade of "C" or higher. This course augments the creative process of character development by applying the principles of Stanislavsky through the use of in-class discussion, studio exercises, monologue and scene application.

TPP 2118

Acting III ♦

(3 Credits - 6 Hours)

Prerequisite: TPP 2111 with a grade of "C" or higher. A.A. students must have permission of the instructor. Scene study. Utilizing selections from contemporary plays, the focus of the course is placed upon character-to-character relationships within the context of a scene.

TPP 2119

Acting IV ♦

(3 Credits - 6 Hours)

Prerequisite: TPP 2111 with a grade of "C" or higher. Beginning with an examination of the nature of "style" itself, this class presents actors with an approach to tackling the challenges of the period text. Techniques for unlocking the particular style of a text are explored and then applied to the performance of selected scenes from several different periods: Greek, Elizabethan and Comedy of Manners. The course identifies and provides solutions for the acting challenges specific to each of these styles. Additionally, the class explores how the techniques learned in approaching these styles can be more widely applied to other non-realistic styles of theatre.

TPP 2141

Acting in Shakespeare ♦

(3 Credits - 3 Hours)

Prerequisite: TPP 2111 with a grade of "C" or higher, or permission of the instructor.

tor. This class introduces the concepts, principles and skills needed to bring the characters of Shakespeare to life on the stage. Following the precepts of John Barton in [Playing Shakespeare](#), this course focuses on how to use the hidden directions given by Shakespeare in the text to unlock character choices. Specific analysis techniques and poetic terminology are introduced and examined as they relate to characterization. Application of these techniques will be presented in several performances of Shakespearean scenes and monologues.

TPP 2220

Audition Techniques ♦

(3 Credits - 3 Hours)

Prerequisite: TPP 2111 with a grade of "C" or higher or permission of the instructor. This class is built on the following premise: successful auditions begin with a clear understanding of the casting process and the development of a healthy relationship to that process. Starting with selecting successful material, the class moves chronologically through each phase of the audition experience with a focus on practical preparation. All of the "business" aspects of auditioning will be covered including resumes, headshots, interviews, unions and self-management. To demonstrate mastery of the material each student will prepare and perform a well-rounded audition package selected to highlight his or her unique strengths.

TPP 2260

Acting for the Camera ♦

(3 Credits - 3 Hours)

Prerequisite: TPP 2111 with a grade of "C" or higher. An approach designed for the actor to meet the demands of working in television or film.

TPP 2300

Play Directing ♦

(3 Credits - 3 Hours)

Prerequisite: Permission of instructor. The fundamentals of play direction. Exploring elements of interpretation and the techniques used to transfer the directorial idea into the practical terms of composition, pictorialization, movement, rhythm, and stage business.

TPP 2803

Stage Speech IV ♦

(3 Credits - 3 Hours)

Prerequisite: TPP 2812 with a grade of "C" or higher. Study of regional and foreign dialects for character impersonation.

TPP 2812

Stage Speech III ♦

(2 Credits - 3 Hours)

Prerequisite: TPP 1811 with a grade of "C" or higher. Special and advanced work in the interpretation and presentation of various forms of literature, particularly classical selections.

TPP 2280

Special Problems in Acting ♦

(1 - 3 Credits)

This course is designed to provide individual investigation into an area of acting of particular interest or need to the student. Application to do work in special problems must be made to the instructor who is to direct the study. A design of the study must be presented to the instructor and approved by the Dean of Florida School of the Arts prior to the new semester. This course may be repeated 3 times for credit.