BUSA 2255 Personal Selling (3-0-3)
Includes principles of selling with practical applications such as careers in sales, sales psychology, sales techniques and customer service. Covers concepts and techniques of making an effective sales presentation from prospecting to follow-up.
Corequisite: None.
Prerequisite: READ 0099 or a minimum reading CPE score of 74.
Offered: Every other summer – even years.

BUSA 2260 Labor Relations (3-0-3)
Labor-management relations including the practice and techniques of collective bargaining with respect to the interrelationships between the individual worker, the union, the employer, and the general public, stressing the responsibilities of labor and management.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: On demand.

CHEM 1151K Introductory Chemistry (3-2-4)
This course covers the basic principles of chemistry including atomic structure, nuclear chemistry, bonding, solution chemistry, organic chemistry, and a brief introduction to biochemistry. Laboratory exercises supplement the lecture material. Cannot be used with CHEM 1211 or PHSC 1012 to satisfy Area D.
Prerequisites: Completion of all Learning Support requirements or permission of the Division Dean.
Offered: All semesters.

CHEM 1211K Principles of Chemistry I (3-3-4)
First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics to be covered include composition of matter, nomenclature, stoichiometry, solution chemistry, gas laws, thermochemistry, quantum theory and electronic structure, periodic relations, and bonding. Laboratory exercises supplement the lecture material. Cannot be used with CHEM 1151K or PHSC 1012 to satisfy Area D.
Prerequisites: Completion of one year of high school chemistry with a minimum grade of "C" or CHEM 1151K and placement in MATH 1111 or completion of MATH 0099.
Offered: All semesters.

CHEM 1212K Principles of Chemistry II (3-3-4)
Second course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics include molecular structure, intermolecular forces, properties of solutions, reaction kinetics and equilibria, thermodynamics, and electro- and nuclear chemistry. Laboratory exercises supplement the lecture material.
Prerequisite: CHEM 1211K.
Offered: All semesters.

CHEM 2240K Principles of Organic Chemistry I (3-3-4)
This course will cover the properties, methods of preparation, and mechanisms of the principle classes of carbon compounds. Laboratory instruction will include basic techniques for preparation, purification and identification of organic compounds. Laboratory exercises supplement the lecture material.
Prerequisite: CHEM 1212K or consent of Division Dean.
Offered: Fall, Summer.

CHEM 2241K Principles of Organic Chemistry II (3-3-4)
This is a continuation of CHEM 2240K. Laboratory exercises supplement the lecture material. Prerequisite: CHEM 2240K.
Offered: Spring, Summer.

CISM 0099 Beginning Computers (1-0-1)
A course designed to prepare the new computer user with the basics of computer operation. Topics include how to turn the computer on, use of the mouse and the keyboard, introduction to the Internet and e-mail, and the use of a basic word processing package.
Prerequisite: None.
Offered: On demand.

CISM 1100 Computer Concepts and Software Applications (2-0-2)
A course designed to assure a basic level of computer applications literacy, including basic hardware and software, societal issues, word processing and spreadsheet software using Microsoft Word and Excel, as well as e-mail and Internet use. Taking both CISM 1100 and CISM 1101 is equivalent to CISM 2201. Credit for graduation may be received only for (a) CISM 2201 or (b) CISM 1100 or (c) CISM 1100 and CISM 1101. CISM 2201 and CISM 1100 are related courses; credit may not be received for both.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: On demand.

CISM 1101 Computer Applications (1-0-1)
Designed to provide basic competency in database management and presentation software using Microsoft Access and Powerpoint. Designed for those students who take CISM 1100 and later decide to major in Business Administration or Computer Information Systems. Taking both CISM 1100 and CISM 1101 is equivalent to CISM 2201. Credit for graduation may be received only for (a) CISM 2201 or (b) CISM 1100 or (c) CISM 1100 and CISM 1101. CISM 2201 and CISM 1100 are related courses; credit may not be received for both.
Prerequisite: CISM 1100.
Offered: Fall, Spring, Summer.

CISM 2201 Fundamentals of Computer Applications (3-0-3)
A course designed to assure a basic level of computer applications literacy, including basic hardware and software, societal issues, word processing, spreadsheet, database, presentation software using Microsoft Word, Excel, Access, and PowerPoint, as well as e-mail and Internet use.
Taking both CISM 1100 and CISM 1101 is equivalent to CISM 2201. Credit for graduation may be received only for (a) CISM 2201 or (b) CISM 1100 or (c) CISM 1100 and CISM 1101. CISM 2201 and CISM 1100 are related courses; credit may not be received for both.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: Fall, Spring, Summer.

COMM 1000 Cultural Diversity in Communication (2-0-2)
This course emphasizes the patterns of public and interpersonal communication among and between ethnic groups and minority cultures globally with strategies and skills for improving the quality of those interactions. This class will deepen the understanding of communication as a social process using the course as a public speaking forum.
This course meets the requirements for the oral communication competency.
Prerequisite: READ 0099.
Offered: All semesters.

COMM 1100 Human Communications (3-0-3)
This course provides a broad approach to oral communication skills including intrapersonal, interpersonal, small group, and public speaking. The course will also examine intercultural and mass communication.
This course meets the requirements for the oral communication competency.
Prerequisite: READ 0099.
Offered: On demand.

COMM 1110 Public Speaking (3-0-3)
The organization of materials and the vocal and physical aspects of delivery in various speaking situations will be the focus of this course.
This course meets the requirements for the oral communication competency.
Prerequisites: READ 0099 and ENGL 0099.
Offered: All semesters.

COMM 1111 Issues in Argumentation and Advocacy (3-0-3)
This course investigates the nature of argumentation in personal, social, and political processes of controversial issues in public policy, emphasizing the structures and strategies of argumentation. Special focus will be on oral presentations of developed argumentative discourses and practice of the practical skills of public debate employed in advocacy.
This course meets the requirements for the oral communication competency.
Required of majors.
Prerequisites: READ 0099 and ENGL 0099.
Offered: On demand.

COMM 2105 Introduction to Interpersonal Communication (3-0-3)
This course examines the dynamics of communication. It focuses on basic processes in face-to-face interaction from the perspective of communication competence. Analyzes the variability of design, production, exchange, and interpretation of messages in relational family, professional, and cultural contexts. It develops skills in oral communication and building relationships.
This course meets the requirements for the oral communication competency.
Required of majors.
Prerequisite: READ 0099.
Offered: Spring.

COMM 2210 Voice and Diction (3-0-3)
This course includes study and extensive practice of phonetics, enunciation, and listening skills. This course is designed for those who wish to have a career in which strong speaking skills are needed. This course could also be helpful for those who study English as a second language. It is not intended for use as a speech correction/pathology course. A variety of methods will be used such as those credited to Linklater and Lessac.
This course DOES NOT meets the requirements for the oral communication competency.
Prerequisite: READ 0099.
Offered: On demand.

COMM 2220 Introduction to Small Group Communication (3-0-3)
This course examines the dynamics of the group communication process, focusing on basic theories of group communication and emphasizes performance-based application within the group setting. Analyses of listening in groups, verbal and nonverbal communication, conflict and cohesion, argumentation, and decision-making are included. The oral communication component offers experience formulating and delivering group presentations.
This course meets the requirements for the oral communication competency.
Required of majors.
Prerequisite: READ 0099.
Offered: Fall.

COMM 2230 Introduction to Mass Communication (same as JOUR 1100) (3-0-3)
Introduction to mass communication is a survey of the field of mass communication, including newspapers, magazines, radio, television, cable television, and public relations and advertising, with emphasis on the historical development, current practices, and future trends of these media. This course is also listed as JOUR 1100.
This course DOES NOT meets the requirements for the oral communication competency.
Prerequisite: None.
Offered: Fall and Spring.

COMM 2235 News Writing (same as JOUR 1110) (3-0-3)
Introductory course in writing for the mass media, with emphasis on gathering, writing, and reporting for newspapers and broadcast media. This course is also listed as JOUR 1110.
This course DOES NOT meets the requirements for the oral communication competency.
Prerequisite: ENGL 1101.
Offered: Fall.

COPR 1114 Facilitating Learning Online (2-0-2)
This course is designed for faculty and future teachers who are or may be facilitating online courses. This course demonstrates and shares a spectrum of online learning concepts, theories, and principles using interactive and collaborative experiences. It is designed to improve the facilitation skills of faculty members who offer online courses in higher education and is focused on theory, concepts, and practices for effective online facilitation.
Prerequisite: None.
Corequisites: None.
Offered: On demand.

COPR 1122 Introduction to Instructional Technology (3-0-3)
A course designed to introduce the student to the use of computers, software and the Internet in the online academic setting. This course will offer a survey of the theory of instructional design and the use of the computer as an instructional tool.
Prerequisites: None.
Corequisites: None.
Offered: On demand.

COPR 1123 Web-based Tools and Applications for Education (3-0-3)
A course designed to introduce the student to the selection, creation, utilization and evaluation of web-based tools in the online classroom environment. Students will learn how to evaluate and select web-based tools and applications for use in the online classroom as well as how to implement and utilize applications in the online classroom setting.
Prerequisites: None.
Corequisites: None.
Offered: On demand.

COPR 1124 Online Communication Technologies (3-0-3)
A course designed to introduce the student to a variety of communication technologies that can be used in the online classroom environment. Students will learn how to use discussion boards, email, voice/video chat, instant messaging, and blog/journaling within their courses to enhance student-teacher and student-student communication.
Prerequisites: None. Corequisites: None.
Offered: On demand.

COPR 1125 Instructional Design of the Online Course (3-0-3)
A course designed to familiarize students with the process of instructional design. This course will introduce students to the systematic process of analyzing the learner, developing & selecting objectives, assessment instruments, & instructional materials & evaluating & re-evaluating the instructional design of a course.
Prerequisites: None.
Corequisites: None.
Offered: On demand.

COPR 2225 Advanced Spreadsheet Applications (3-0-3)
The study of advanced topics in the use of electronic spreadsheets. Hands-on experience will be provided through the use of a popular spreadsheet software package such as Microsoft Excel.
Prerequisite: Grade of C or better in CISM 2201 or CISM 1100 or have a working knowledge of a spreadsheet package & a Compass Math score of at least 30 or completion of MATH 0097.
Offered: On demand.

COPR 2226 Advanced PowerPoint/Access (3-0-3)
The course offers students the opportunity to develop advanced skills using Microsoft PowerPoint and Microsoft Access at levels appropriate for the Microsoft Office Specialist exams.
Prerequisites: CISM 2201 or CISM 1101 or permission of instructor.
Corequisites: None.
Offered: On demand.

COPR 2235 Database Management Systems (3-0-3)
The study of database management theory and practice. Experience with designing, creating and utilizing databases will be achieved through hands-on projects using a popular software package such as Microsoft Access.
Prerequisite: CISM 2201 or CISM 1101 with grade of C or better or permission of instructor.
Offered: On demand.

COPR 2244 Introduction to Networking (4-0-4)
Provides an overview of LAN, MAN, and WAN networking concepts and technologies including media, devices, topologies, the OSI model, protocols, network architectures, and troubleshooting techniques. Basic network administration and concepts are introduced with an emphasis on practical networking situations.
Prerequisite: Completion of Learning Support requirements.
Offered: On demand.

COPR 2245 Configuring Windows Client Operating Systems (4-2-5)
Intended for students who plan to be support specialists that will be responsible for installing, configuring, managing and supporting a network infrastructure that use the Microsoft operating system products. The course focuses on installing the OS, installing and configuring supporting applications and user roles.
Corequisite: None.
Prerequisite: COPR 2244 with grade of C or permission of Division Dean.
Offered: On demand.

COPR 2246 Managing and Maintaining a Windows Server (4-2-5)
Designed for students to learn the proper procedures to install, manage and maintain a windows server network operationg system. The course focuses on installing the OS, supporting applications and server roles.
Prerequisite: COPR 2244 with a grade of C or permission of Division Dean.
Offered: On demand.

COPR 2250 Computer Systems Support I (3-0-3)
Topics include, but are not limited to: how to install hardware such as drives, modems, memory, network cards, etc.; installing software, resolving conflicts, configuring IRQs; using printer and video drivers; and configuring PC operating systems. Follows A+ certification curriculum.
Prerequisite: Grade of C or better in CISM 2201 or permission of instructor.
Offered: Fall, Spring.

COPR 2251 Computer Systems Support II (3-0-3)
An advanced study of hardware and operating systems. Topics include troubleshooting and peer-to-peer networking. Follows A+ certification curriculum.
Prerequisite: COPR 2250 or permission of instructor.
Offered: Fall, Spring.

COPR 2255 Special Problems in Computer Systems (3-0-3)
This course is designed to provide students with the opportunity to study one or more of a broad range of current topics and applications. The topics chosen may be those that are not covered in another course and that reflect the rapidly changing nature of this field. Students may use a maximum of 12 hours of Special Topics in Computer Systems in a program of study.
Prerequisite: To be determined by instructor.
Corequisite: To be determined by instructor.
Offered: On demand.

COPR 2256 Special Problems in Computer Systems (2-0-2)
This course is designed to provide students with the opportunity to study one or more of a broad range of current topics and applications. The topics chosen may be those that are not covered in another course and that reflect the rapidly changing nature of this field. Students may use a maximum of 12 hours of Special Topics in Computer Systems in a progam of study.
Corequisite: To be determined by instructor.
Prerequisite: To be determined by instructor.
Offered: On demand.

COPR 2257 Special Problems in Computer Systems (1-0-1)
This course is designed to provide students with the opportunity to study one or more of a broad range of current topics and applications. The topics chosen may be those that are not covered in another course and that reflect the rapidly changing nature of this field. Students may use a maximum of 12 hours of Special Topics in Computer Systems in a program of study.
Corequisite: To be determined by instructor.
Prerequisite: To be determined by instructor.
Offered: On demand.

COPR 2281 Cisco I: Networking for Home and Small Businesses (5-0-5)
CCNA1: Networking Basics is the first of the four courses leading to the Cisco Certified Network Associate (CCNA) certification. The goal of this course is to introduce the student to fundamental networking concepts and technologies. This course provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in the home and small business environment. This course covers skills necessary to plan and implement small networks across a range of applications needed to obtain entry-level Home Network Installer jobs. It also provides the foundation skills needed for Network Technician, Computer Technician, Cable Installer, and Help Desk Technician jobs. Hands-on labs will reinforce lectures.
Prerequisite: Grade of C or better in CISM 2201 or permission of Division Dean. Students without some background in computer networks may find taking COPR 2244 prior to this course helpful.
Offered: On demand.

COPR 2282 Cisco II: Working at a Small-to-Medium Business or ISP (5-0-5)
CCNA2: Working at a Small-to-Medium Business or ISP is the second of four courses leading to the Cisco Certified Network Associate (CCNA) certification. The goal of this course is to assist the student in developing the skills necessary to provide customer support to users of small-to-medium-sized networks and across a range of applications. The course provides an introduction to routing and remote access, addressing and network services. It will also familiarize the student with servers providing email services, web space, and Authenticated Access. This course covers skills required for entry-level Help Desk Technician and entry-lever Network Technician jobs. In addition, the student will complete preparation for the Cisco Certified Entry network Technician (CCENT) exam. Hands-on labs will reinforce lectures.
Prerequisite: COPR 2281.
Offered: On demand.

COPR 2283 Cisco III: Introducing Routing and Switching in the Enterprise (5-0-5)
CCNA3: Introducing Routing and Switching in the Enterprise is the third of four coursse leading to the Cisco Certified network Associate (CCNA) certification. The goal of this course is to assist the student in developing skills necessary to use protocols to maximize enterprise LAN and WAN performance. The course provides more advanced configurations of switching and routing protocols, configuration of access control lists, and basic implementation of WAN links. It also provides detailed troubleshooting guidance for LAN, WAN, and VLAN implementations. This course prepares the student with the skiills required for entry-level Network Technician, Help Desk Technician and Computer Technician jobs. Hands-on labs will reinforce lectures.
Prerequisite: COPR 2282.
Offered: On demand.

COPR 2284 Cisco IV: Designing and Supporting Computer Networks (5-0-5)
CCNA4: Designing and Supporting Computer Networks is the last of four courses leading to the Cisco Certified Network Associate (CCNA) certification. The goal of this course is to assist the student in developing the skills necessary to design small Enterprise LANs and WANs. The course provides an introduction to collecting customer requirements, translating those requirements into equipment and protocol needs, and creating a network topology which addresses the needs of the customer. It will also familiarize the student with how to create and implement a design proposal for a customer. This course prepares the student with the skills requierd for entry-level Pre-Sales Support and entry-level Network Design jobs. In addition, the student will complete preparation for the CCNA exam. Hands-on labs will reinforce lectures.
Prerequisite: COPR 2283.
Offered: On demand.

COPR 2291 Fundamentals of UNIX (3-0-3)
Designed to provide students with an understanding of UNIX commands and filters and basic operating environment commands. Students learn the fundamental command-line features including file system navigation, file permissions, text editors, command shells and basic network use.
Prerequisite: COPR 2244 with a grade of C or better or permission of the instructor.
Offered: On demand.

COPR 2301 Maintaining a Windows Network Infrastructure (4-2-5)
Designed to provide students with the knowledge and skills necessary to successfully plan, implement, and troubleshoot a Microsoft server network infrastructure. The course focuses on forest and domain structure, Domain Name System (DNS), site topology and replication, organizational unit structure and delegation of administration, Group Policy, and user, group, and computer account strategies.
Prerequisites: COPR 2246 with grade of C or better or permission of Division Dean.
Offered: On demand.

COPR 2303 Planning and Maintaining Windows Active Directory (4-2-5)
Provides students with the knowledge and skills to design and implement a Microsoft Active Directory directory services and network infrastructure for a Microsoft network environment.
Prerequisites: COPR 2246 with a grade of C or better or permission of Division Dean.
Offered: On demand.

COPR 2304 Designing Security for a Windows Network (4-2-5)
Provides students with the knowledge and skills necessary to design a security framework for small, medium, and enterprise networks using Microsoft technologies.
Prerequisite: COPR 2246 with a grade of C or permission of Division Dean.
Offered: On demand.

COPR 2321 Basic Principles of Network Security (3-0-3)
This course provides an introduction in the basics of network security. Topics include providing a secure framework for an organization, the basics of cryptography, the development of policies and procedures for overall security and various methods of attack and potential compromise of a computer or networking system.
Prerequisite: COPR 2244 or COPR 2250 or COPR 2281 or permission of instructor.
Offered: On demand.

COPR 2328 Enterprise Messaging (4-2-5)
This course provides an introduction into the basics of enterprise messaging with a focus on Microsoft Exchange. Topics include configuring Outlook and Outlook Web Access (OWA) clients, the administration of Public Folders, configuring and managing Exchange Server Managing Routing and Internet Connectivity, backup and recovery or Exchange Server and securing Exchange Server.
Prerequisites: COPR 2246 or permission of Division Dean.
Offered: On demand.

COPR 2330 Implementing and Maintaining SQL Server (4-2-5)
This course provides an introduction into the basics of SQL Server operations. Topics include installing and configuring SQL Server, implementing high availability and disaster recovery, supporting data clients, maintaining databases, monitoring and troubleshooting SQL Server performance and creating and implementing database objects.
Prerequisites: COPR 2246 with a "C" or better or permission of Division Dean.
Corequisites: None.
Offered: On demand.

COPR 2334 Computer Forensics (3-2-4)
This course provides an introduction into the basics of computer forensics. Topics include current computer forensics tools, digital evidence controls, working with Windows and DOS Systems, Macintosh and Linux Boot Processes and File Systems, Data Acquisition and Computer Forensics Analysis.
Prerequisites: COPR 2250 or permission of instructor.
Corequisites: None.
Offered: On demand.

COPR 2341 Microsoft Word Applications (3-0-3)
An intermediate study of Microsoft Word. Topics will include creating a table of contents and indexes; tracking, accepting, and rejecting document changes; creating, editing, and running macros; and creating forms. Extensive hands-on exercises are included.
Prerequisite: CISM 1100, CISM 2201, or permission of instructor.
Offered: On demand.

COPR 2405 Advanced Cisco: Implementing Cisco IOS Network Security (5-0-5)
This course develops associate-level knowledge and skills required to secure Cisco networks. The student will exercise the skills required to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate security threats. The CCNA Security curriculum emphasizes core security technologies, the installation, troubleshooting and monitoring of network devices to maintain integrity, confidentiality and availability of data and devices, and competency in the technologies that Cisco uses in its security structure.
Prerequisites: COPR 2284 – Cisco IV, or Cisco Certified Network Associate (CCNA) designation, or permission of Division Dean.
Offered: On demand.

COPR 2407 Advanced Cisco: Implementing Cisco IOS Unified Communications (5-0-5)
This course develops the required skill set for specialized job roles in voice technologies such as voice technologies administrator, voice engineer, and voice manager. The student will exercise skills in VoIP technologies such as IP PBX, IP telephony, handset, call control, and voicemail solutions. The CCNA Voice curriculum provides a strong foundation in voice applications and infrastructure concepts; and the skills to perform baseline installation, operation, and maintenance tasks on Cisco VoIP solutions, particularly the Smart Business Communications system from 8-250 lines.
Prerequisites: COPR 2284 - Cisco IV, or Cisco Certified Network Associate (CCNA) designation, or permission of Division Dean.
Offered: On demand.

COPR 2409 Advanced Cisco: Implementing Cisco Unified Wirelss Networking Essentials (5-0-5)
This course develops the knowledge and skills necessary to configure, implement and support wireless LANs, specificially those networks using Cisco equipment. With CCNA Wireless the student will learn how to support a basic wireless network on a Cisco WLAN in a SMB to enterprise network. The CCNA Wireless curriculum inclues information and practice activities to enable them to configure, monitor and troubleshoot basic tasks of a Cisco WLAN in SMG and Enterprise networks.
Prerequisites: COPR 2284 - Cisco IV, or Cisco Certified Network Associate (CCNA) designation, or permission of Division Dean.
Offered: On demand.

CRJU 1100 Introduction to Criminal Justice (3-0-3)
The history, philosophy and problems of criminal justice in America. The justice process, federal, state & local law enforcement, courts, corrections organization, and functions.
Corequisite: Min. COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: Fall.

CRJU 1110 Criminal Justice Management and Supervision (3-0-3)
Development of modern criminal justice management and supervisory theory and practices. Leadership roles, problem solving, critical thinking skills, personnel management, hiring, retention, and assignment. Issues in management of criminal justice agencies of all sizes.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: Summer.

CRJU 2205 Introduction to Criminal Law (3-0-3)
Development of substantive criminal law. Crimes against persons, property and public order. Criminal procedure, constitutional basis, speech, assembly, arrest, search, self-incrimination and right to counsel, due process, and civil rights.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: Spring.

CRJU 2215 Introduction to Criminology (3-0-3)
Nature, distribution and characteristics of crime and the criminal; major theories of crime causation.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: Spring.

CRJU 2230 Introduction to Corrections (3-0-3)
Development of modern correctional thinking; characteristics of the correctional institution and the inmate; correctional methods in the institution and the community; the future of corrections.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: Fall.

CRJU 2240 Budgeting and Grant Management for Crim. Justice Managers (3-0-3)
Budgeting styles, practices, preparation, and presentations; legal aspects and requirements for budgets; grant research, preparation, and management for criminal justice managers and supervisors.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: On demand.

CSCI 1150 Computer Programming in Visual Basic (3-0-3)
This is a course which presents the fundamentals of programming with Visual Basic. Topics covered will include problem solving, program development, data types, subroutines, control structures for selection and loops, file processing, arrays, functions, strings, and graphics.
Prerequisite: MATH 1101 or MATH 1111 or consent of Division Dean.
Offered: Fall.

CSCI 1300 Introduction to Computer Science (3-0-3)
This is an introduction to structured programming using the C++ programming language. The course includes an overview of computers and programming; problem-solving and algorithm development; simple data types; arithmetic and logical operators, selection structures, repetition structures, text files; arrays (one- and two-dimensional); procedural abstraction and software design; modular programming (including subprograms or the equivalent).
Prerequisite: MATH 1111 or MATH 1101 or consent of Division Dean.
Offered: All semesters.

CSCI 1301 Computer Science I (3-2-4)
This is an introduction to fundamentals of programming using the object-oriented programming language Java. The course includes an overview of computers and programming. It also includes simple data types; arithmetic and logical operations, selection structures, repetition structures, and array (one dimensional.)
Prerequisite: MATH 1111 or CSCI 1300 or corequisites MATH 1112 or MATH 1113 or MATH 1151.
Corequisites: CSCI 1300 or MATH 1112 or MATH 1113 or consent of Division Dean.
Offered: All semesters.

CSCI 1302 Computer Science II (3-2-3)
This is a continuation of CSCI 1301. The course includes an overview of abstract data types (ADTs); arrays (Two-dimensional and multi-dimensional), data structures such as strings, binary files; recusion and linked lists, software engineering concepts; dynamic data structures (stacks, queues, trees). It includes the fundamentals of the object-oriented paradigm (classes, objects, encapsulation, inheritance and polymorphism.)
Prerequisite: CSCI 1301 or consent of Division Dean.
Offered: Fall, Spring.

CSCI 1371 Computing for Engineering (3-0-3)
Foundations of computing with an introduction to design and analysis of algorithm and an introduction to design and construction of programs for engineering problem-solving.
Prerequisites: MATH 1113 or consent of Division Dean.
Corequisite: None.
Offered: On demand.

CSCI 2200 Internet Technologies (3-0-3)
The course provides a comprehensive introduction to the tools and skills required for both client and server side programming, teaching students how to develop platform independent sites using current Web development technology. Essential programming exercises are presented using a manageable progression.
Prerequisites: Exited Learning Support.
Corequisites: None.
Offered: Fall.

CSCI 2500 Discrete Structures (3-0-3)
This course provides a brief introduction to mathematical logic and typical proof methods, followed by a discussion of sets, function, and relations. The course also focuses on the mathematical techniques that are frequently used in computer science like counting techniques, elementary probability theory, combinatorics, recurrence relations, and asymptotic notation.
Prerequisites: CSCI 1301.
Corequisites: None.
Offered: Spring.

CTCP 2100 Introduction to Computed Tomography (2-0-2)
This course serves as an introduction to computed tomography with an emphasis on basic patient care while in a Computed Tomography department, as well as the history of CT and the components of a CT scanner. Additional topics include patient history, vital signs, laboratory values, contrast agents (oral and Intravenous,) medical ethics, patient confidentiality, as well as research contributors in CT, historical events, scanner generations, characteristics of radiation, detectors and data acquisition system.
Corequisite: Graduate from an accredited Raciology, Nuclear Medicine or Radiation Therapy Program.
Prerequisite: Registered Radiologic Technologist, Nuclear Medicine Technologist, or a Radiation Therapy Technologist with the ARRT or Nuclear Medicine Technology Certification Board (NMBCT.)
Offered: Fall and Spring.

CTCP 2110 Physical Principle, Instrumentation, and Quality Control (3-0-3)
This course is an overview of the system operation, components and quality control. To be able to understand the different functions and capabilities and identify the components of the CT scanner to provide quality care during a CT examination. Topics include data acquisition, data processing, reconstruction, manipulation, image quality, console, high voltage generator, filter, detectors, and convolution, interpolation, and pitch.
Corequisite: Graduate from an accredited Raciology, Nuclear Medicine or Radiation Therapy Program.
Prerequisite: Registered Radiologic Technologist, Nuclear Medicine Technologist, or a Radiation Therapy Technologist with the ARRT or Nuclear Medicine Technology Certification Board (NMBCT.)
Offered: Spring and Summer.

CTCP 2120 Sectional Anatomy I (4-0-4)

This is an overview of cross-sectional anatomy that is imaged during a Computed Tomography examination. This course will provide information about normal head, spine, and chest anatomy. Students will be able to identify, and recall normal anatomical structures on cross-sectional images in order to perform quality care for patients. Topics include the circle of Willis, gray/white matter, pons, vertebral body, lamina, spinous process, sinal cord, heart (ventricle/atrium,) lungs, and ribs.

Corequisite: Graduate from an accredited Raciology, Nuclear Medicine or Radiation Therapy Program.

Prerequisite: Registered Radiologic Technologist, Nuclear Medicine Technologist, or a Radiation Therapy Technologist with the ARRT or Nuclear edicine Technology Certification Board (NMBCT.)

Offered: Fall and Spring.

CTCP 2130 Sectional Anatomy II (4-0-4)

This is an overview of cross-sectional anatomy that is imaged during a Computed Tomography examination. This course will provide basic information about normal nec, abdomen, pelvin, and extremities anatomy. Students will be able to identify, and recall normal anatomical structures on cross-sectional images in order to perform quality care for patients. Topics include the liver, aorta, spleen, pancreas, kidneys, ureters, pelvin girdle, sma, celiac artery, femoral arteries, popliteal arteries, and bony structures such as the ribs, femur, humerus, ankle, shoulder.

Corequisite: Graduate from an accredited Raciology, Nuclear Medicine or Radiation Therapy Program.

Prerequisite: Registered Radiologic Technologist, Nuclear Medicine Technologist, or a Radiation Therapy Technologist with the ARRT or Nuclear Medicine Technology Certification Board (NMBCT.)

Offered: Spring and Summer.

CTCP 2150 Clinical Applications II (0-24-6)

This course is a continuation of the hands-on training about the CT scanner, protocols, equipment, contrast agents, as well as post-processing that was introduced in the previous linical course. It allows students to become more proficient as well as gaining work experience needed to join the workforce as an entry-level trechnologist and towards the completion of their clinical competencies needed for this course as well as the American Registry of Radiologic Technologists (ARRT.)

Corequisite: Graduate from an accredited Raciology, Nuclear Medicine or Radiation Therapy Program.

Prerequisite: Registered Radiologic Technologist, Nuclear Medicine Technologist, or a Radiation Therapy Technologist with the ARRT or Nuclear Medicine Technology Certification Board (NMBCT.)

Offered: Spring and Summer.

CVTE 1100 Introduction to Cardiovascular Technology (1-0-1)
This course is designed to provide the student with the basic understanding of the Cardiovascular Technician Profession. Topics of discussion will include Invasive Cardiology, Non-Invasive Cardiology, Basic Cardiovascular Anatomy and Physiology, basic Cardiovascular teminology, basic Electrocardiography (ECG/EKG), ethical and legal considerations, vital signs, current and coming technology related to the field of study, employment opportunities, outlook, and earnings potential as defined by the U.S. Department of Labor. A field trip will also be used to help enhance the learning of the Cardiovascular Technician student.
Corequisites: None.
Prerequisite: Completion of all Learning Support requirements.
Offered: Summer.

CVTE 1110 Cardiovascular Pharmacology (3-0-3)
This course is designed to provide the student with the basic understanding of Cardiopulmonary pharmacology. Topics of discussion will include Medical-Legal aspects, documentation, routes of administration, and Pharmacodynamics and Pharmacokinetics of the following: Analgesic, Anesthetic, Narcotic medications and reversal agents, Antiarrhythmic medications, Antihypertensive medications, Cardiac Stimulants, Antiangine medications, Anticoagulant, Antiplatelet and Thrombolytic medications, Diuretics, Oxygen, and miscellaneous medications as they relate to the professional field.
Prerequisite: Admission to the Cardiovascular Technology Program. CVTE 1100 is required as a Prerequisite or a Corequisite.
Corequisite: CVTE 1115, CVTE 1118, CVTE 1131.
Offered: Fall semester.

CVTE 1115 Cardiopulmonary Anatomy & Physiology (3-0-3)
This course is designed to provide the student with the understanding of Cardiac Anatomy and Physiology. Areas of study include normal cardiovascular anatomy and physiology, embryology, congenital heart disease, and acquired cardiac and vascular diseases, microcirculation, autoregulation, blood components, fluid and electrolytes, lymphatics, acid base balance, oxygen transport and rennin angiontensin system.
Prerequisite: Admission to the Cardiovascular Technology Program. CVTE 1100 is required as a Prerequisite or a Corequisite.
Corequisite: CVTE 1110, CVTE 1118, CVTE 1131.
Offered: Fall semester.

CVTE 1118 Physics of Ultrasound (1-0-1)
This course defines the basic principles of ultrasound physics and introduces the student to their practical use in diagnostic ultrasound. Topics of discussion will include definition of sound, propagation of sound in tissue, transducers, Doppler signal processing, Doppler instrumentation, ultrasound imaging and ultrasound safety.
Prerequisite: Admission to the Cardiovascular Technology Program. CVTE 1100 is required as a Prerequisite or a Corequisite.
Corequisite: CVTE 1110, CVTE 1115, CVTE 1131.
Offered: Fall semester.

CVTE 1120 Adult Echocardiography I (4-3-5)
This course in non-invasive cardiology highlights the theory, rationale, application, performance and interpretation of the following modalities: auscultation, normal and abnormal heart sounds, phonocardiography, M-mode, A-mode and two-dimensional Doppler. The laboratory portion introduces the student to non-invasive cardiology by hands-on experience with the above mentioned modalities.
Prerequisites: CVTE 1110, CVTE 1115, CVTE 1118, CVTTE 1131.
Corequisite: CVTE 1130.
Offered: Spring semester.

CVTE 1130 Invasive Cardiovascular Technology I (4-3-5)
This course serves as an introduction to the cardiac ctheterization laboratory with an emphasis placed on basic cardiac catheterization protocols, theory and application of angiographic procedures, and the concept of sterile technique. Additional topics include aseptic techniques, sterilization, patient assessment, radiography, pharmacology, cardiac wave forms, coronary artery anatomy, equipment and tools utilized in cardiac catheterization, herodynamic data and analysis, right and left heart caths, and complications and treatment of cardiac catheterization. The lab portion provides an introduction to the cardiac catheterization laboratory with an emphasis on the above mentioned items.
Prerequisite: CVTE 1110, CVTE 1115, CVTE 1118 and CVTE 1131,
Corequisite: CVTE 1120
Offered: Spring semester.

CVTE 1131 Patient Assessment (2-3-3)
This course introduces the concepts and techniques of patient assessment through inspection, palpation, percussion, and auscultation. The student will demonstrate proficiency in patient physical examination, and taking a complete patient medical history. Principles of barrier protection for blood and body fluid exposures and isolation precautions will be emphasized. Basic ECG monitoring, basic laboratory values such as CBC, electrolytes, and basic microbiology are presented. Assessment of critically ill patients is introduced. Each student will be required to successfully complete a Lab competency check-off in order to progress to CVTE 1120.
Prerequisites: Admission to the Cardiovascular Technology Program. CVTE 1100 is required as a Prerequisite or a Corequisite.
Corequisites: CVTE 1110, CVTE 1115, CVTE 1118.
Restricted: Admission to the Cardiovascular Technology Program.
Offered: Fall semester.

CVTE 2110 Adult Echocardiography II (4-3-5)
This course is a continuation of CVTE 1120 and presents an in-depth view of the diagnosis of common disease states. The application of theory, techniques, applications and interpretation of M-mode, color Doppler, pulsed and continuous wave coppler, two-dimensional echocardiography and transesophageal echocrdiography. The laboratory portion allows the student to further explore their skills with non-invasive modalities.
Prerequisite: CVTE 1120.
Corequisite: CVTE 2120.

CVTE 2115 Vascular I (1-3-2)
This course presents an in-depth view of the diagnosis of common vascular disease states. The application of theory, techniques, applications and interpretation of M-mode, color Doppler, pulsed and continuous wave Doppler. The laboratory portion allows the student to further explore their skills with vascular modalities.
Prerequisites: CVTE 112, CVTE 1130, RESP 2321.
Corequisites: CVTE 2110, CVTE 2120.

CVTE 2120 Invasive Cardiovascular Technology II (4-3-5)
This course is a continuation of CVTE 1130 and continues to familiarize the student with various procedures and techniques related to invasive cardiology. Emphasis is placed on the hemodynamic aspects of diagnostic cardiac catheterization as well as information related to the new interventional techniques utilized in the cath lab. Assessment of th EKG patterns related to arrhythmias and infarct/ischemia is also included in this course.
Prerequisite: CVTE 1130.
Corequisite: CVTE 2110.

CVTE 2130 Adult Echocardiography Practicum I (0-40-7)
Clinical experience is provided within the students selected specialty area of Non-Invasive Cardiology. The student is scheduled for clinical rotations in the Non-Invasive Cardiovascular laboratories with our affiliated hospitals throughout the southeast. During each rotation cycle, the student receives extensive hands-on experience and observation utilizing equipment, performance of tests and providing patient care. This course is the first of two courses designed to assist the Cardiovascular Technology student in meeting the required 1000 hours of clinical rotation in Non-Invasive Cardiology as required by the accrediting body.
Prerequisite: CVTE 2110 and CVTE 2120.
Corequisite: None.

CVTE 2135 Invasive Cardiovascular Technology Practicum I (0-40-7)
Clinical experience is provided within the students selected specialty area of Invasive Cardiology. The student is scheduled for clinical rotations in the Invasive Cardiovascular laboratories with our affiliated hospitals throughout the southeast. During each rotation cycle, the student receives extensive hands-on experience and observation utilizing equipment, performance of tests and proving patient care. This course is the first of two courses designed to assist the Cardiovascular Technology student in meeting the required 1000 hours of clinical rotation in Invasive Cardiology as required by the accrediting body.
Prerequisite: CVTE 2110 and CVTE 2120.
Corequisite: None.

CVTE 2140 Adult Echocardiography Practicum II (1-40-8)
The first week of the course will be review of the previous clinical rotation with emphasis on strengthening weaker areas as defined by the preceptors from the various clinical affiliates. The clinical experience will then continue to be provided within the students selected specialty area of Non-Invasive Cardiology. The student continues scheduled clinnical rotations in the Non-Invasive Cardiovascular laboratories with our affiliated hospitals throughout the southeast, becoming more proficient with the skills required to become a Cardiovascular Technologist. During each rotation cycle, the student receives additional extensive hands-on experience and observation utilizing equipment, performance of tests and providing patient care. This course is the second of two courses designed to assist the Cardiovascular Technology student in meeting the required 1000 hours of clinical rotation in Non-Invasive Cardiology as required by the accrediting body.
Prerequisite: CVTE 2130.
Corequisite: None.

CVTE 2145 Invasive Cardiovascular Technology Practicum II (1-40-8)
The first week of the course will be review of the previous clinical rotation with emphasis on strengthening weaker areas as defined by the preceptors from the various clinical affiliates. The Clinical experience will then continue to be provided within the students selected specialty area of Invasive Cardiology. The student continues scheduled clinical rotations in the Invasive Cardiovascular laboratories with our affiliated hospitals throughout the southeast, becoming more proficient with the skills required to become a Cardiovascular Technologist. During each rotation cycle, the student receives additional extensive hands-on experience and observation utilizing equipment, performance of tests and providing patient care. This course is the second of two courses designed to assist the Cardiovascular Technology student in meeting the required 1000 hours of clinical rotation in Invasive Cardiology as required by the accrediting body.
Prerequisite: CVTE 2135
Corequisite: None.

DANC 1000 Dance Performance (0-2-1)
Dance Performance course is open to all students with a dance major or with an interest in dance who have been cast and/or do technical work for the dance production of the semester. Students will have to audition for roles in student, faculty and guest artists works and then be cast in works to be in this course. May be taken each semester to a maximum of four credit hours.
Prerequisites: None.
Corequisites: None.
Offered: Fall, Spring.

DANC 1400 Technical Theatre for Dancers (1-2-2)
Introduction to technical aspects of dance productions, including the technical vocabulary required to communicate with theatre technicians in the areas of sound and lighting. Exploration of all the basic aspects of dance production, including music, costuming, programming, and management.
Prerequisites: None.
Corequisites: None.
Offered: Spring.

DANC 1500 Dance Appreciation (3-0-3)
All aspects of dance as an artform, exploring related roles of the dancer, choreographer and spectator through historical inquiry, aesthetic perspectives, basic dance elements, and the creative process. Course material will be presented through a series of lectures, videos, historical and critical readings, discussions, reflective analytical writing, and actual movement experience.
Prerequisites: None.
Corequsites: None.
Offered: All semesters.

DANC 1600 Dance Improvisation (0-2-1)
Dance Improvisation explores movement initiated through various sources, including internal motivation. This course emphasizes individual and group interaction within structured and free improvisational situations for the purpose of developing the student's creative approach to composing and performing. This course may be used as a PE activity course.
Prerequisites: None.
Corequsites: None.
Offered: Fall.

DANC 1700 Modern Dance History (2-0-2)
Modern Dance history docuses on the acquisition and application of historical data in verbal, written, and kinesthetic form. This course is a study of the historical evluation of modern dance beginning in the late 1800's and continuing into consideration of the artists, issues, and trends of today's contemporary dance scene. Course structure includes readings, writings, videos, and discussions of the historical, aesthetic and kinesthetic development of modern dance.
Prerequisites: ENGL 0099; READ 0099.
Corequisites: None.
Offered: Spring.

DANC 1740 Modern Dance I (0-3-1)
Modern Dance I introduces elementary modern dance technique and vocabulary. Techniques basic to this dance form plus somatic and motional properties as they relate to dance are emphasized. Special emphasis is placed on dynamic alignment, sensing and activating weight in the body, body awareness, increasing the student's ease and range of motion, balance, coordination and personal expression. Movement explorations take place on the floor, standing, and in sequenced movements through space. This course may be used as a PE activity course.
Prerequisites: None.
Corequsites: None.
Offered: All semesters.

DANC 1750 Modern Dance II (0-3-1)
Modern Dance II continues the development of modern dance technique and vocabulary. Special emphasis is placed on intermediate-level dynamic alignment, sensing & activating weight in the body, body awareness, increase the student's ease and range of motion, balance, coordination and personal expression. Movement explorations take place on the floor, standing, and in sequenced movements through space. This course may be used as a PE activity course.
Prerequisites: DANC 1740 or permission of instructor.
Corequsites: None.
Offered: All semesters.

DANC 1760 Modern Dance III (0-2-1)
This course continues the development of modern dance technique and vocabulary including somatic and motional properties as they relate to dance. Emphasis is placed on advanced-level integration of rhythms, dynamics, alignment, body awareness, balance, coordination and personal expression.
Prerequisites: Modern II DANC 1750 and/or permission from instructor.
Corequisites: None.
Offered: All semesters.

DANC 1800 Ballet History and Performance – Studio, Stage, Sidelines and Stories (2-3-3)
This course is a study of the historical evaluation of ballet history beginning with the introduction of dance into the French courts and ending with modern day ballet choreography and performers. This course will include components of readings, videos, and discussions on the historical progression, aesthetics, and repertory of ballet.
Prerequisites: None.
Corequsites: None.
Offered: Fall.

DANC 1840 Ballet Technique I (0-3-1)
Ballet Technique I focuses on the development of elementary technical skills in ballet, including directions of the body, alignment, function and access of turnout, strength, flexibility, and use of the French ballet lexicon, with emphasis on safe and efficient body use. This course may be used as a PE activity course.
Prerequisites: None.
Corequsites: None.
Offered: All semesters.

DANC 1850 Ballet Technique II (0-3-1)
Ballet Technique II focuses on the development of intermediate technical skills in ballet, including safe and efficient alignment and clear articulation of movement vocabulary, with emphasis on increased vocabulary and musicality. This course will also include directions of the body, proper use of tation, and use of the French ballet lexicon. This course may be used as a PE activity course.
Prerequisites: DANC 1840 or permission of the instructor.
Corequisites: None.
Offered: All semesters.

DANC 1860 Ballet Technique III (0-2-1)
Expands appreciation of ballet as a creative art form. Focuses on ballet technique, while emphasizing increased flexibility, strength, and coordination. Reviews dance phrase combinations by integrating rhythm, dynamics and movement.
Prerequisites: Ballet Technique II DANC 1850 and/or permission from instructor.
Corequisites: None.
Offered: All semesters.

DANC 1900 Dance Composition (1-2-2)
Dance Composition is designed to allow the student to investigate movement affinities and to discover new movement vocabularies through solo and small group compositions. Studies examine the basic elements of dance – the body in time, space and dynamics, as well as the use of music with movement. This course emphasizes personal coaching and critique, and peer feedback, within a nurturing and experiemental environment.
Prerequisites: DANC 1600 or permission of the instructor.
Corequisites: None.
Offered: Spring.

DANC 2000 Dance Choreographer for Performance (0-3-1)
Dance Choreographer for Performance course is open to all students with a dance major or with an interest in dance who have auditioned their choreography to be presented in a dance production. Choreographers will have to present their work for approval and then hold auditions for dancers if their work is selected. Choreographers will also have to meet once a week to discuss the choreography process and get guidance from the instructor. May be taken each semester to a maximum of four credit hours.
Prerequisites: None.
Corequisites: None.
Offered: Fall, Spring.

DART 1000 First Year Experience (2-0-2 Institutional credit only)
DART 1000 is a two hour first-year experience course designed to assist first-year students in the transition into college. The course focuses on academic success skills, College policies and resources, as well as other topics designed to assist in the adjustment to the academic and social community at Darton College. DART 1000 is required for all first-time students (full or part-time.) A grade of "C" is required to pass this class.
Prerequisites: None.
Corequisites: None.
Offered: Every Semester.

DHYG 1101 Orofacial Anatomy (4-0-4)
A study of the anatomical sciences of the orofacial region to include oral histology and embryology; head and neck anatomy; and dental anatomy.
Prerequisite: Admission to Dental Hygiene Program.
Offered: Fall.

DHYG 1110 Nutrition (1-0-1)
An overview of the major nutrient classifications, functions, sources, and deficiencies. Emphasis on the well-balanced diet for maintenance of health.
Prerequisite: CHEM 1151K.
Offered: Spring.

DHYG 1114 Radiology (2-3-3)
Basic principles of roentgenographic techniques including exposing, processing, mounting and charting radiographs. Anatomical landmarks for interpretation and safety precautions for the patient and operator.
Prerequisites: DHYG 1101, 1121, 1131 with grades of C or better.
Corequisites: DHYG 1110, DHYG 1132, DHYG 1122, DHYG 2100.
Offered: Spring.

DHYG 1121 Dental Hygiene Lecture I (3-0-3)
An introduction to fundamental concepts relating to the profession of dentistry, including terminology, history, and organization. A study of asepsis, patient assessment, deposits, and preventive services.
Prerequisite: Admission into the Dental Hygiene program.
Offered: Fall.

DHYG 1122 Dental Hygiene Lecture II (2-0-2)
A continued study of patient management and education, and dental hygiene treatment.
Corequisites: DHYG 1110, 1114, 1132, 2100.
Prerequisites: DHYG 1101, 1121, 1131 with grades of C or better.
Offered: Spring.

DHYG 1131 Dental Hygiene Clinic I (0-6-2)
An introduction to specific tasks required for delivery of dental hygiene services; infection control, patient assessment, scaling procedures, and polishing-fluoride application procedures. Students acquire competencies through manikin and peer experiences under continuous supervision by clinical faculty.
Prerequisite: Admission into Dental Hygiene program.
Offered: Fall.

DHYG 1132 Dental Hygiene Clinic II (0-9-3)
A continuation of DHYG 1131 with the addition of sharpening, plaque control instruction, and power scaling instrument. When safe techniques have been mastered, students deliver dental hygiene care to adult and child patients. An introduction to nutrional counseling.
Prerequisites: DHYG 1101, 1121, 1131 with grades of C or better.
Offered: Spring.

DHYG 1133 Dental Hygiene Clinic III (0-6-2)
A continuation of DHYG 1132 with the addition of radiographs and dietary counseling. Instruction will also be provided in the manipulation of dental materials and advanced periodontal instrumentation. Students will visit a limited number of dental specialty offices.
Prerequisites: DHYG 1110, 1114, 1122, 1132, 2100 with grades of "C" or better.
Offered: Summer.

DHYG 2100 Periodontics (2-0-2)
Principles of periodontology, etiology, and classification of periodontal disease with emphasis on prevention and scope of reponsibility of the dental hygienist and treatment planning.
Corequisites: DHYG 1110, 1114, 1122, 1132 with grades of "C" or better.
Prerequisite: BIOL 2115K.
Offered: Spring.

DHYG 2150 Pharmacology (2-0-2)
Drugs, their properties, dosage, method of administration and therapeutic use with attention given to those drugs most commonly used in dentistry.
Prerequisites: DHYG 1133, 2550 with grades of "C" or better and BIOL 2115K.
Offered: Fall.

DHYG 2210 Dental Hygiene Lecture IV (1-0-1)
A seminar course with emphasis on special needs patients and advanced periodontal patients. Prerequisites: DHYG 1133, 2550 with grades of "C" or better.
Offered: Fall.

DHYG 2220 Dental Hygiene Lecture V (1-0-1)
A seminar course with emphasis on jurisprudence and office management for the dental hygienist.
Prerequisites: DHYG 2150, 2210, 2250, 2310 with grades of "C" or better.
Offered: Spring.

DHYG 2250 General and Oral Pathology (3-0-3)
Basic principles, causes and underlying mechanisms of disease phenomena with special emphasis on the oral cavity.
Prerequisites: DHYG 1133, 2550 with grades of "C" or better and BIOL 1100K or BIOL 2112K.
Offered: Fall.

DHYG 2310 Dental Hygiene Clinic IV (0-12-4)
A continuation of DHYG 1133 with the addition of study models, sealants, advanced periodontal patients and oral irrigation.
Prerequisites: DHYG 1133, 2550 with grades of "C" or better.
Offered: Fall.

DHYG 2320 Dental Hygiene Clinic V (0-12-4)
A continuation of DHYG 2310.
Prerequisites: DHYG 2150, 2210, 2250, 2310 with grades of "C" or better.
Offered: Spring.

DHYG 2400 Community Dental Health (3-3-4)
Principles of public health dentistry, educational concepts and strategies in dental health education. Emphasis on assessment of dental needs, developing and evaluating programs, and epidemiology and research.
Prerequisites: DHYG 2150, 2210, 2250, 2310 and COMM 1000 with grades of "C" or better.
Offered: Spring.

DHYG 2550 Dental Specialties & Materials (2-0-2)
Introduction to the specialty areas of dental practice. A study of dental materials used in a general practice office.

Prerequisites: DHYG 1110, 1114, 1122, 1132, 2100 with grades of "C" or better.
Offered: Summer.

DMSP 1101 Introduction to Diagnostic Medical Sonography (1-3-2)
This course is designed to introduce the student to the basic principles of ultrasound. The professionalism, functions, and desirable attributes of a sonographer will be discussed along with patient care principles and techniques. It presents the language of sonographers and cross sectional anatomy used in ultrasound as well as body planes. It examines leadership and educational opportunities found in sonography as an occupation.
Prerequisites: Admission into the Diagnostic Medical Sonography Program. Completion of ALHE 1115, BIOL 1100K or BIOL 1111K and 1112K, MATH 1111, and PHSC 1011K, or BIOL 2115K or CHEM 1151K or PHYS 1111K with a grade of "C" or better.
Offered: Fall freshman year.

DMSP 1102 Abdomen Ultrasound I (2-3-3)
This course is designed to introduce the ultrasound student to normal appearing abdominal anatomy and cavities. The sonographic appearance of normal abdominal organs will be presented along with the normal size range of each organ. It will build upon the cross sectional anatomy introduced in DMSP 1101 to provide the student with a better understanding of the sonographic location of the abdominal organs.
Prerequisites: DMSP 1101 with a grade of "C" or better.
Offered: Spring semester junior year.

DMSP 1103 Obstetrical Ultrasound I (2-3-3)
This course presents fetal development from conception through the third trimester. First to third trimester of normal fetal anatomy and sonographic appearance. Laboratory test pertaining to the fetus and mother. Ultrasound protocols for scanning the first to third trimester fetus. Fetal lie in the uterus as viewed by ultrasound as well as normal fetal environment.
Prerequisites: Completion of all previous semesters DMSP courses with a grade of "C" or better.
Offered: Spring semester junior year.

DMSP 1104 Pelvic Ultrasound (2-3-3)
This course will explore the normal sonographic measurements, appearance and cross sectional anatomy of the non-gravid female pelvis and male pelvis. The musculatoure and surrounding vessels will be discussed along with all normal Doppler findings. It will include all the hormonal changes that effect the reproductive cycle as well as laboratory values associated with normal and abnormal female health. A comprehensive sonographic evaluation of abnormalities pertaining to all female and male pelvic anatomy will be investigated.
Prerequisites: A grade of "C" or better in all previous DMSP course work.
Offered: Spring semester sophomore year.

DMSP 1105 Clinical Observations (0-16-2)
This course is an initial introduction to the clinical environment. It allows the student to familiarize themselves with the operational process and exam protocols of their clinic site.
Prerequisites: Completion of all DMSP courses with a grade of "C" or better.
Offered: Spring semester junior year.

DMSP 2111 Abdomen Ultrasound II (3-0-3)
This is an advanced course in abdominal sonography. The sonongraphic appearance of abdominal organ diseases and their processes will be examined. Normal and abnormal lab values will be discussed. The normal and abnormal Doppler signals of various organs will be evaluated. Special procedures of the abdomen will be included such as biopsies, paracentesis and various interventional procedures. Sterile technique is included.
Prerequisites: Completion of previous DMSP course with a grade of "C" or better.
Offered: Summer semester junior year.

DMSP 2112 Obstetrical Ultrasound II (3-0-3)
This course presents fetal development and abnormalities from the first trimester through the third trimester. The role of sonographers in performing interventional/invasive procedures. Multiple gestations, amniotic fluid index, congenital/genetic anomalies, viability, fetal monitoring, maternal factors, fetal therapy and the post partum mother will also be evaluated.
Prerequisites: Completion of all DMSP courses with a grade of "C" or better.
Offered: Summer semester junior year.

DMSP 2113 Clinical Observation and Practicum I (0-24-2)
This is an expansion of the clinical observations course DMSP 1105. Students will begin their hands-on experience by entering patient data, recording patient history, selecting the appropriate transducer for the exam, positioning the patient for the exam and practicing the art of scanning.
Prerequisites: Completion of all DMSP courses with a grade of "C" or better.
Offered: Summer semester junior year.

DMSP 2114 Pediatric Ultrasound (3-0-3)
This course is designed to introduce the DMSP student to the various stages and sonographic appearance of normal and abnormal brain development. The significance of abnormal findings. Various techniques of scanning the infant brain along with the particular care needed for scanning the neonate, newborn, and pediatric patient. Sonographic evaluation of the normal and abnormal infant spine is included. Abdominal and pelvic exams will also be discussed.
Prerequisites: Completion of all DMSP courses with a grade of "C" or better.
Offered: Fall semester senior year.

DMSP 2115 Superficial Structures and Invasive Procedures (3-3-4)
This course will discuss the various ultrasound techniques used while performing an exam on the following: thryoid, breast, scrotum, prostate, anterior abdominal wall, neck, non cardiac chest, gastrointestinal tract, and extremities. The student will learn to appraise the normal and abnormal sonographic findings of these areas as well as disease processes and laboratory values. Invasive procedures will also be evaluated.
Prerequisites: Completion of all DMSP courses with a grade of "C" or better.
Offered: Fall semester senior year.

DMSP 2116 Clinical Observation and Practicum II (0-24-2)
This is an expansion of DMSP 2113 with increasing responsibilities of the student sonographer. This course allows student observation and participation in the clinical setting with hands-on experience with patients and equipment.
Prerequisites: Completion of all DMSP courses with a grade of "C" or better.
Offered: Fall semester senior year.

DMSP 2117 Ultrasound in Review (3-0-3)
This is a comprehensive review course for all previous DMSP courses to prepare the student for the ultrasound registry. It will also review any troubled areas a student may be experiencing.
Prerequisites: Completion of all DMSP courses with a grade of "C" or better.
Offered: Spring semester senior year.

DMSP 2118 Clinical Observations and Practicum III (0-24-2)
An expansion of DMSP 2116 this class will allow students to gain confidence in their skills and the knowledge gained throughout the DMS program.
Prerequisites: Completion of previous DMSP course with a grade of "C" or better.
Offered: Spring semester senior year.

DMSP 2120 Vascular Ultrasound (2-3-3)
This course is designed to provide the student with a basic introduction to the assessment of flow regarding the vascular system using ultrasound. The student develops the skills necessary to perform basic diagnostic ultrasound studies for presentation to the physician. The student 1) review the physics of Doppler ultrasounds; 2) becomes familiar with and is able to perform all abdominal Doppler exams, including transplant organs, and intraoperative guidance; 3) becomes familiar with other exams such as peripheral vascular studies.
Corequisites: DMSP 2117, DMSP 2118.
Prerequisite: DMSP 2116.
Offered:Spring semester senior year.

ECON 2105 Principles of Macroeconomics (3-0-3)
This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: MATH 0099.
Offered: All semesters.

ECON 2106 Principles of Microeconomics (3-0-3)
This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze the structure of and performance of the market economy. It deals with price and output determination, cost of production, market structures, anti-trust regulations, market failure, and governmental regulation. The emphasis is on microeconomics.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: MATH 0099.
Offered: All semesters.

EDUC 2110 Investigating Critical and Contemporary Issues in Education (3-0-3)
This course engages students in observations, interactions, and analyses of critical and contemporary educational issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States. Students will actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilites of teaching in a democracy. This course requires a field component totaling 10 hours. (This course replaces EDUC 2205 – Introduction to Education)
Corequisites: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Offered: All semesters.

EDUC 2120 Exploring Socio-Cultural Perspectives on Diversity in Educational Contexts (3-0-3)
Given the rapidly changing demographics in our state and country this course is designed to equip future teachers with the fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine 1) the nature and function of culture; 2) the development of individual and group cultural identity; 3) definitions and implications of diversity, and 4) the influences of culture on learning, development, and pedagogy. This course requires a field component totaling 10 hours. (This course replaces EDUC 2210 – Introduction to Special Education)
Corequisites: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Offered: All semesters.

EDUC 2130 Exploring Teaching and Learning (3-0-3)
This course will explore the key aspects of learning and teaching through examining your own learning processes and those of others, with the goal of applying your knowledge to enhance the learning of all students in a variety of educational settings and contexts. This course requires a field component totaling 10 hours. (This course replaces PSYC 22215 – Human Growth and Development in the teacher education curriculum)
Corequisites: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Offered: All semesters.

EDUC 2614 Professional Pedagogy for the GACE (3-0-3)
This course is designed to prepare teachers to complete the two GACE Professional pedagogy tests successfully. All topics addressed come directly from the test framework for the Professional Pedagogy Assessment. Examples of topics that will be covered include: motivation, diversity, assessment, instructional strategies, creating a conducive learning environment and characteristics of learners. The course will also address professionalism within the field and cover the legal and ethical guidelines for educators in Georgia.
Prerequisites: In-Service Teachers
Corequisites: None.
Offered: On demand.

EDUC 2618 Survey Pedagogy and Classroom Management (2-0-2)
This course is designed for current teachers who are intrested in improving their classroom management and pedagogical skills. Components of the course will include such topics as motivation, effective instructional strategies, the creation of productive learning environments, and classroom assessment strategies.
Prerequisites: In-Service Teachers
Corequisites: None.
Offered: On demand.

EDUC 2810 The Teaching of Reading (3-0-3)
This course is designed to assist in understanding the process of teaching students to read. Students will be exposed to numerous approaches to the teaching of reading.
Prerequisite: EDUC 2110.
Offered: On demand.

EDUC 2825 Classroom Management (1-0-1)
This course is designed to teach effective classroom management skills through the use of everyday examples of behavioral principles. Students will learn the basic concepts involved in behavioral analysis.
Prerequisite: EDUC 2110.
Offered: On demand.

EMTP 1025 Trauma for the Advanced Emergency Medical Technician (2-2-3)
This course includes material from the Trauma and Operations Modules of the current National EMS Education Standard. It is designed to provide the student with fundamental knowledge to provide basic and selected advanced emergency care and transportation based on assessment findings for an acutely injured patient. Topics covered in this course are: Airway management, assessment and management of the trauma victim, bleeding, chest trauma, abdominal and genitourinary trauma, orthopedic trauma, soft tissue trauma, head, face, neck and spine trauma, nervous system trauma, special considerations in trauma, environmental emergencies, and multisystem trauma, shock management, gaining access and vehicle extrication of the trauma victim, multiple casualty incident, and International Trauma Life Support.
Prerequisite: None.
Corequisite: None.
Offered: Spring.

EMTP 1032 Advanced Life Support for the Advanced Emergency Medical Technician (4-3-6)

This course includes material from the current National EMS Education Standard to provide increased knowledge and skills in specific aspects of advanced life support. Topics covered in this course are: Patient assessment, advanced airway management, pharmacology, respiratory and cardiovascular assessment and management, Advanced Cardiac Life Support for the AEMT, pathophysiology, shock, acid-base disturbances, obstetrics, neonatal care, pediatrics, geriatrics, and patients with special challenges, and pediatric life support. This course concludes with a comprehensive program review and preparation for the National Registry AEMT exam.
Prerequisite: None.
Corequisite: None.
Offered: Summer.

EMTP 1036 Medical Emergencies for the Advanced Emergency Medical Technician (3-1-3)

This course includes material from the Preparatory and Medical Modules of the current National EMS Education Standard. It is designed to provide the student with fundamental knowledge to provide basic and selected advanced emergency care and transportation based on assessment findings for an acutely ill patient**.** Topics covered in this course are: IV therapy, pharmacology, airway management, respiration and artificial ventilation, patient assessment, neurology, abdominal and gastrointestinal disorders, immunology, infectious diseases, endocrine disorders, psychiatric emergencies, cardiovascular emergencies, toxicology, respiratory emergencies, hematology, genitourinary/renal disorders, gynecology, non-traumatic musculoskeletal disorders, and diseases of the eyes, ears, nose, and throat.
Prerequisite: None.
Corequisite: None.
Offiered: Fall and Spring.

EMTP 1102 Trauma for the Paramedic (4-4-5)

This course includes and expands upon the material from the Trauma Module and Pathophysiology from the current National EMS Education Standard. It includes units on fluids and electrolytes, abnormal fluid states, acid base balance, abnormal lab values, blood and transfusion therapy, and shock. The course also contains units on trauma systems, mechanism of injury, soft tissue trauma, head and facial injuries, spinal trauma, thoracic and abdominal injuries, and musculoskeletal trauma. Patient assessment and management in an organized, timely fashion using the ITLS approach to trauma care is emphasized. Students must take and successfully complete the International Trauma Life Support Course for Advanced Providers at the conclusion of the course.
Prerequisite: None.
Corequisite: None.
Offered: Fall.

EMTP 1104 Medical Emergencies for the Paramedic (4-4-5)
This course includes must of the material covered in the current National EMS Education Standard Medical Module as well as the Geriatrics, Patients with Special Challenges and Acute Interventions for Chronic Care from the Special Considerations Module. Other units covered are: anatomy and physiology of the nervous system, endocrine emergencies, environmental emergencies, infectious disease, acute GI and GU emergencies, anaphylaxis, toxicology, hematologic emergencies, and alcoholism.
Prerequisite: None.
Corequisite: None.
Offiered: Spring.

EMTP 1105 Cardiovascular Emergencies (5-4-6)
This course includes materials from the Medical Module of the current National EMS Education Standard. Topics include units in anatomy and physiology of the cardiovascular system, basic arrhythmia interpretation, cardiovascular assessment, atherosclerosis, coronary artery disease, risk factor identification and reduction, acute coronary syndrome, congestive heart failure, sudden arrhythmic death, hypertensive crisis and syncope. Units on ACLS cardiovascular pharmacology I and II, artificial pacemakers, defibrillation, cardioversion, 12-lead EKGs, circulatory adjuncts, and ACLS algorithms are also included.
Prerequisite: None.
Corequisite: None.
Offiered: Spring.

EMTP 1110 Introduction to the Emergency Medical Services Profession (2-3-3)
This course includes material from the Preparatory, Life Span Development, Public Health, and Operations Modules of the current National EMS Education Standard. It is designed to provide the student with comprehensive knowledge of EMS systems, workforce safety and wellness, medical/legal and ethical issues, and knowledge of operational roles and responsibilities which are intended to ensure and improve the health and safety of EMS personnel, patients, and the community. Topics covered in this course are: EMS systems, research, workplace safety and wellness, documentation, communication, medical/legal and ethics, life span development, public health, principles of operating a ground ambulance, air medical, scene size-up, incident management, hazardous materials awareness, and terrorism/disaster response.
Prerequisite: None.
Corequisite: None.
Offered: Spring and Fall.

EMTP 1111 Essentials of EMS (2-3-2)
This course includes material from the Preparatory and Assessment Modules of the current National EMS Education Standard. It is designed to provide the student with comprehensive knowledge patient assessment techniques. Topics covered in this course are: Therapeutic communications, history taking, and a body systems approach to the physical exam. Other topics included are: IV therapy, individual health risk assessment, and unique aspects of pediatric, geriatric, and psychiatric evaluation are discussed.
Prerequisite: None.
Corequisite: None.
Offered: Spring and Summer.

EMTP 1112 Psychiatric Emergencies (2-1-3)
This course includes modules in therapeutic communication, life span development, and psychiatric and behavioral emergencies of the current National EMS Education Standard. Units covered include mental health, mental illness, psychiatric terminology, psychiatric medications, mental status examination, suicide and homicide assessment, substance abuse assessment, domestic violence, spouse and child abuse, rape, death and dying, interview techniques, effective listening and communication skills.
Prerequisite: None.
Corequisite: None.
Offered: Summer.

EMTP 1113 Pharmacology (2-3-3)
This course includes and expands upon the material from the Pharmacology and Venous Access and Medication Administration Sections of the Preparatory Module of the current National EMS Education Standard. It includes basic units on drug information, drug actions, weights and measures, and medication administration. It also includes advanced units on systemic pharmacology and therapeutics of drugs affecting the central and autonomic nervous systems, cardiovascular system, respiratory system, hematologic system, renal system, endocrine system, gastrointestinal system, and immune system. It concludes with a unit on the paramedic drug box contents, maintenance, and administration procedures.
Prerequisite: None.
Corequisite: None.
Offered: Fall and Spring.

EMTP 1115 OB/GYN/Neonatal Emergencies (1-3-2)
This course includes material from the Medical and Special Considerations Modules of the current National EMS Education Standard. It includes the following topics: anatomy and physiology of the female reproductive system, abdominal pain, vaginal bleeding, rape, physiology of pregnancy, fetology, normal and abnormal labor and delivery, and post-partum complications. The ITLS approach to trauma in pregnancy is emphasized. In addition, determination of the APGAR scoring and care of the high-risk neonate are included. Students are required to successfully complete the Neonatal Resuscitation program during the course.
Prerequisite: None.
Corequisite: None.
Offered: Summer.

EMTP 1117 Respiratory Emergencies (2-4-3)
This course includes and expands upon the material covered in the EMT assessment and management of patients with acute and chronic respiratory problems, oxygen therapy, advanced airway management techniques, airway adjuncts, and mechanical ventilation of the current National EMS Education Standard. A unit on anesthesia essential concludes the course.
Prerequisite: None.
Corequisite: None.
Offered: Fall and Summer.

EMTP 1118 Pediatric Emergencies (2-0-2)
This course includes material from the Special Considerations Modules of the current National EMS Education Standard. The following topics are included; pediatric assessment, developmental stages, family assessment and management, respiratory emergencies, child safety, trauma, dehydration, shock, infant and child BLS and ACLS, neurologic emergencies, SIDS, child abuse, and care of children with special needs. After the pediatric emergencies labs and clinical practicum, have been completed, students must successfully complete the Pediatric Advanced Life Support Course.
Prerequisite: None.
Corequisite: None.
Offered: Fall.

EMTP 1119 Pediatric Emergencies Clinical Practicum (0-3-1)
In this course students will perform patient assessment and management techniques on infants and children in the hospital setting. Students will assess developmental stages, communicate with patients and family members, and treat pediatric patients with respiratory infections, gastroenteritis, sickle cell crises and a variety of medical and traumatic emergencies. Lab sessions will include pediatric oxygen therapy and airway adjuncts, management of pediatric shock including IV and intraosseous therapy, child and infant BLS and ACLS, pediatric ITLS, and miscellaneous medical emergencies scenarios. After the pediatric emergencies labs and clinical practicum have been completed, students must successfully complete the Pediatric Advanced Life Support Course.
Prerequisite: None.
Corequisite: None.
Offered: Spring.

EMTP 1121 Essential Math for the Prehospital Emergency Care Provider (1-0-1)
This course includes material covered in the current National EMS Education Standard Preparatory Module, Venous Access and Medication Administration section. The course includes a basic review of mathematical principles including fractions, decimals, and percentages. Various systems of measure including metric, household, and apothecary are included. Drug calculations which involve moving within and between the various systems of measure are included. Problem solving of drug calculations using ratio and proportion is stressed. Units on computation of drug dosages with one unknown, calculation of drug dosages based on patient weights, calculation of IV drug drips based on patient weights are part of the course. Students must be able to convert patient weights from pounds to kilograms.
Prerequisite: None.
Corequisite: None.
Offered: On demand.

EMTP 1125 Summative Evaluation (2-5-3)
The student applies in the prehospital setting the clinical skills and didactic knowledge acquired during the course of study. All skills are performed under the direct supervision of Paramedics who are certified as clinical preceptors. Case evaluations of medical emergencies and traumatic injuries for patients of all age populations will be provided in the classroom and lab. This program includes a comprehensive review for the national registry exam. This program concludes with a comprehensive written, practical, and oral assessment in preparation for the National Registry Paramedic exam.
Prerequisite: None.
Corequisite: None.
Offered: Spring.

ENGL 0097 Learning Support English I (4-0-4)
ENGL 0097 stresses basic grammar and punctuation and the composition of short essays. In addition to a concentrated study of writing skills, the course includes the development of the communication skills or reading, discussion, and critical thinking.
Exit Requirements: To complete ENGL 0097, a student must have at least a C average on all course work.
Placement: A score of 50 or below on the COMPASS Writing Skills Test.
Offered: All semesters.

ENGL 0099 Learning Support English II (4-0-4)
ENGL 0099 prepares the student to enter the credit English sequence. The course includes assignments in the language-based processes of reading, writing, and discussion, as well as critical thinking and problem solving. It stresses the rules and conventions of standard written English and provides extensive practice in writing a variety of types of compositions.
Exit Requirements: minimum of a C average on course work, passing grade on Departmental Essay Competency Examination (DECE) and a satisfactory score of 60 or higher on the COMPASS Writing Skills Test.
Placement: A score of 51 - 60 or below on the COMPASS Writing Skills Test.
Offered: All semesters.

ENGL 1101 English Composition I (3-0-3)
ENGL 1101 is a composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation, and also including introductory use of a variety of research skills. This course emphasizes the development of thought and expression through personal, informative, and persuasive essays. The course is concerned largely with the composing process involving substantial reading and analysis of ideas in preparation for written assignments. ENGL 1101 promotes the development of reading, speaking, listening, and thinking. In addition, the course includes study of grammar and punctuation as needed. Exit requirements include a minimum of a “C” average on course work.
Prerequisites: Satisfactory scores on the English and Reading placement examinations or completion of ENGL 0099 and READ 0099 with grades of "C" or better.
Offered: All semesters.

ENGL 1102 English Composition II (3-0-3)

ENGL 1102 is a composition course that develops writing skills beyond the levels of proficiency required by ENGL 1101, that emphasizes interpretation and evaluation, and that incorporates a variety of more advanced research methods. This course includes the development of thought and expression through critical analysis. ENGL1102 also emphasizes style, content, and organization of essays. This course includes the planning and writing of analytical essays and continues the development of reading, speaking, listening, and critical thinking. Course activities involve reading and discussion of literary genres, review as needed of punctuation and grammar, and library research.
Exit requirements include a minimum of a "C" average on course work and completion of a documented research paper.
Prerequisites: Satisfactory scores on the English placement examination or completion of ENGL 1101 with a grade of "C" or better.
Offered: All semesters.

ENGL 2035 Children's Literature: Understanding the World of Wonder, Whimsey, and Wisdom with Words (3-0-3)

This course is designed to be an interactive, practical class that supplements & enhances the utilization of Children's Literature in the everyday classroom & other venues where there is a desire to promote excellence in literacy skills.The historical, intellectual, and emotional perspectives of Children's Literature will be reviewed. This course does not satisfy any core curriculum requirement.
Prerequisite: Restricted to in-service special education teachers and completion of ENGL 1102 with a grade of "C" or higher.
Offered: On demand.

ENGL 2111 World Literature I (3-0-3)

ENGL 2111 is a study of major works of world literature from the beginnings ca. 1500 B.C.E.-ca. 1650C.E. Cultures represented in this period range from Akkadian, Egyptian, Hebrew, & Greek to Chinese, Roman, Indian, Islamic, Western Medieval & Renaissance, Japanese, African, and Native American. This immense period includes such works & authors as Gilgamesh, The Odyssey,Confucius, Bhagavad-Gita, Vergil, Kalidasa, T'ao Ch'ien, Koran, Abolqasem Ferdowsi, Dante, Chaucer, Murasaki Shikibu, Shakespeare, Sei Shonagon, Montaigne, Cervantes, & the Popol Vuh.
Prerequisite: ENGL 1102 with a grade of "C" or better.
Offered: All semesters.

ENGL 2112 World Literature II (3-0-3)

ENGL 2112 is a study of major works of world literature from ca. 1650 to the present. Cultures represented in this period range from Chinese, Indian, & Japanese to Western European, Russian, Native American, African, Islamic, Latin American, Hebrew, & Caribbean. Authors include Voltaire, Cao Xuequin, Matsuo Basho, Goethe, Whitman, Dostoyevsky, R. Tagore, Baudelaire, Kawabata Yasunari, L. Senghor, Chinua Ahebe, D. Walcott, Borges, Dickinson, & Solzhenitsyn.
Prerequisite: ENGL 1102 with a grade of "C" or better.
Offered: All semesters.

ENGL 2121 British Literature I (3-0-3)
ENGL 2121 is a study of British Literature from its beginning through the eighteenth century. This time span covers the Old English period, the Middle Ages, the Renaissance, the Metaphysical and Cavalier eras, and the Restoration and Neoclassical periods. Works studied include those of the "Beowulf" poet, Chaucer, Spenser, Shakespeare, Milton, Donne, Marvell, Dryden, Pope, & Swift.
Prerequisite: ENGL 1102 with a grade of "C" or better.
Offered: All semesters.

ENGL 2122 British Literature II (3-0-3)
ENGL 2122 is a study of British Literature from the late eighteenth century to the present, encompassing the Romantic, Victorian, and Modern periods. Works studied include those of Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Yeats, Lawrence, and Joyce.
Prerequisite: ENGL 1102 with a grade of "C" or better.
Offered: All semesters.

ENGL 2131 American Literature I (3-0-3)
ENGL 2131 is a study of American Literature from colonial days through the American Revolution & into the mid-nineteenth century. Authors from these periods include Anne Bradstreet, Phyllis Wheatley, Poe, Hawthorne, Melville, Emerson, Thoreau, & Frederick Douglass.
Prerequisite: ENGL 1102 with a grade of "C" or better.
Offered: All semesters.

ENGL 2132 American Literature II (3-0-3)
ENGL 2132 is a study of modern American literature from the mid-nineteenth century to the present day. Prose authors of this period include Mark Twain, William Dean Howells, Henry James, Stephen Crane, Theodore Dreiser, Ernest Hemingway, F. Scott Fitzgerald, William Faulkner, and Ralph Ellison. Poets of this period include Robert Frost, T.S. Eliot, and Gwendolyn Brooks.
Prerequisite: ENGL 1102 with a grade of "C" or better.
Offered: All semesters.

ENGL 2210 Creative Writing (3-0-3)
ENGL 2210 (fiction and poetry) is a sophomore-level course taught in a workshop format. Students write short stories, poetry, or both. Students study each other's work, as well as that of professional writers, to learn the fundamentals and techniques of literary writing.
Exit requirements: A minimum of a “C” average on course work.
Prerequisite: ENGL 1102 with a grade of "C" or better.
Offered: Spring.

ENGL 2220 Writing Non-Fiction (3-0-3)
ENGL 2220 takes a somewhat more sophisticated look at composition than is possible in English Composition II. The course focuses on writing essays in clear, direct, graceful language that draws on grammar's potential for variety & interest. The course addresses the value of an enhanced vocabulary for creating these results. The course supplements its exercises adds in writing essays & articles with reading & analyzing works by prose masters from antiquity to our own period.
Exit requirements: A minimum of a “C” average on course work.
Prerequisite: ENGL 1102 with a grade of "C" or better.
Offered: Fall.

ENGL 2230 Professional & Technical Writing (3-0-3)
ENGL 2230 is an intermediate composition course that develops professional workplace communication skills. It emphasizes strategies, forms, and techniques of writing that aims to inform, persuade, or instruct people. The course provides hands-on experience in writing and presenting business and technical documents produced by a variety of methods. It focuses on strategies used in marketing communication, public relations, and human resources and also includes experience with group collaboration.
Exit requirements: A minimum of a "C" average on course work.
Prerequisite: Completion of ENGL 1102 with a grade of "C" or better.
Offered: On demand.

ENGR 1111 Engineering Graphics (2-3-3)
This course is an introduction to graphic communication and engineering design. It includes orthographic, sectional, and auxiliary views, working drawings, dimensioning, three dimensional drawings, surface and solid modeling, and descriptive geometry. The AutoCAD software will be utilized in the laboratory.
Prerequisite: READ 0099.
Offered: Fall.

ENGR 2201 Engineering Statics & Dynamics (4-0-4)
This course covers the principles of statics & dynamics in two & three dimensions which includes the equilibrium of rigid bodies, analysis of structures & machines, friction, kinetics and kinematics of rigid bodies, work-energy principle, linear impulse-linear momentum principle, & mechanical vibrations of rigid bodies.
Prerequisite: PHYS 2211. Offered: Spring.

ESLC 0099 Orientation to American Life and Culture (2-0-2)
The ESL Culture class is an orientation course for international students whose native homeland is not the United States. This course is designed to meet in a traditional classroom and use class support through Web CT. The class will also utilize text books, web sites, and group discussions in order to gain understanding and adaptation skills. This course focuses on American culture, culture shock, day to day life, adaptation/survival skills, educational systems, and idiomatic expression.
Prerequisites: None.
Corequisites: Any one of the following: ESLL 0070, 0080, 0090, ESLR 0070, 0082, 0092, ESLG 0071, 0081, 0091, 0095.
Offered: On demand.

ESLG 0071 Basic Grammar (4-0-4)
This course focuses on basic English grammatical concepts and skills, including parts of speech, spelling, punctuation, word order, and sentence building.
Placement: Placement from ESOL skills assessment test.
Offered: On demand.

ESLG 0081 Intermediate Grammar (4-0-4)
This course is designed to develop the students' understanding of and skills at using essential grammatical structures of Standard English in writing. It provides a review of lexical and syntactic features of the parts of speech, phrases, clauses, and the concepts of coordination and subordination as well as grammatical trouble spots such as the idiomatic use of prepositions, verbals, and articles. It includes paragraph writing and editing in preparation for the essay process.
Placement: ESLG 0071 with a grade of C or better or a qualifying score on the ESOL skills assessment test.
Offered: On demand.

ESLG 0091 Advanced Grammar (4-0-4)
This course is designed to enhance the students' understanding of and skills at using advanced syntactic structures correctly and effectively in writing. It provides a review of compound and complex sentence patterns of Standard Written English as well as grammar trouble spots according to individual and class needs.
Placement: ESLG 0081 with a grade of C or better or a qualifying score on the ESOL skills assessment test.
Offered: On demand.

ESLG 0095 Writing (4-0-4)
This course focuses on refining organizational and editing skills and individual needs of the students who need only to pass the Departmental Essay Competency Exam in order to exit the writing portion of the ESL Program.
Offered: On demand.

ESLL 0070 Basic Listening and Speaking (4-0-4)
The course focuses on comprehending and conducting brief conversations supported by clues in context, as well as letter and word pronunciation.
Placement: Placement from ESOL skills assessment test.
Offered: On demand.

ESLL 0080 Intermediate Listening and Speaking (4-0-4)
This course focuses on producing and understanding conversations about self, basic academic and/or occupational interests and situations, and multiple verb tenses.
Placement: ESLL 0070 with a grade of C or better or a qualifying score on the ESOL skills assessment test.
Offered: On demand.

ESLL 0090 Advanced Listening and Speaking (4-0-4)
This course focuses on complex discussions and understanding of academic, social, and/or business lectures. Advanced idiomatic expressions, inferences, and emotional overtones are studied, as well as shifts in registers, reductions, blends, and American Culture protocols.
Placement: ESLL 0080 with a grade of C or better or a qualifying score on the ESOL skills assessment test.
Offered: On demand.

ESLR 0072 Basic Reading and Vocabulary (4-0-4)
This course focuses on reading short, simple sentences supported by pictures; present, past, and future tense forms; common idioms; drawing simple contextual conclusions; and content based vocabulary.
Placement: Placement from ESOL skills assessment test.
Offered: On demand.

ESLR 0082 Intermediate Reading and Vocabulary (4-0-4)
This course focuses on the use of contextual clues to predict meaning and ideas within a paragraph. Limited occupational, academic, internet, or news items are studied, as well as skimming, scanning, distinguishing between main and supporting ideas, and developing spelling and vocabulary skills through the use of key terms in readings.
Placement: ESLR 0072 with a grade of C or better or a qualifying score on the ESOL skills assessment test.
Offered: On demand.

ESLR 0092 Advanced Reading and Vocabulary (4-0-4)
This course focuses on understanding contextual meaning, word forms, synonyms, and connotation. Distinction between fact and opinion in writing is studied, as well as paraphrasing sentences, and reading articles, periodicals, academic texts with more abstract and grammatical complexity, and internet research.
Placement: ESLR 0082 with a grade of C or better or a qualifying score on the ESOL skills assessment test.
Offered: On demand.

ETHI 1101 Issues in Ethics (2-0-2)
A general introduction to ethical theories and their application to current moral issues. Emphasis is placed on the student developing a decision-making scheme to apply to moral dilemmas. Credit may not be received for both ETHI 1101 and PHIL 2210.
Corequisite: Minimum COMPASS reading score of 74 or enrollment in READ 0099.
Prerequisite: None.
Offered: On demand.

FIAR 2250 Humanities Through the Arts (3-0-3)
Humanities through the Arts provides an interdisciplinary view of the West in art, music, and literature from the Renaissance through the 20th century. FIAR 2250 and ART 1100 are related courses; only one can count toward graduation.
Prerequisites: ENGL 0099 and READ 0099.
Offered: On demand.

FOSC 2100 Criminalistics: An Introduction to Forensic Science (2-2-3)
COURSE MUST BE TAKEN AT ALBANY STATE UNIVERSITY AND TRANSFERRED TO DARTON COLLEGE.
Lecture and laboratory course designed to teach investigators techniques in the analysis of physical evidence; designed for professional lab technicians or criminalists; laboratory report on measurements of mass and density, microscopy of hairs and fibers, development and comparison of latent fingerprints, calibration of UV spec and GC-MS.
Corequisites: None.
Prerequisite: None.
Offered: On demand.