

CHD 1430***Observing and Recording Child Behavior, 3 credit hours, 30 lec., 30 lab. (Fall, Spring, Summer)**

Designed to increase objectivity and proficiency in observing and interpreting children's behavior; in addition, to increase awareness of normative patterns of children from birth through five years of age.

CHD 1531***Parenting Education, 3 credit hours, 30 lec., 45 lab. (Offered as needed)**

This course is comprehensive in scope, emphasizing skills and concepts of parenting which include: adjustment to parental roles; parent-child communication, care, growth, and development of children; cultivating strong families; special concerns; alternative family structures; educational institutions working effectively with parents; and agencies and legislation affecting children and parents.

CHD 1800***Early Childhood Program Administration, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

This course provides the student with management and administrative skills related to child care services. Instruction includes: director responsibilities; staff selection, supervision, and evaluation; planning for budget, nutritional services, facility maintenance, health, and safety; and marketing techniques.

CHD 1941***Internship, Child Development, 3 credit hours, 90 lab. (Fall, Spring, Summer)**

On-the-job training in Applied Associate of Science degree or College Credit Certificate programs in which the student is enrolled. The student is under the supervision, at work, of a qualified supervisor appointed by the respective agency, who works with the OWCC instructor regarding student's OJT objectives based on student's goals and prior training. The supervisor will rate the student's performance, knowledge, comprehension, dependability, initiative, cooperativeness based on OJT performance. OWCC instructor will evaluate student OJT experience in consultation with agency supervisor regarding OJT performance and project paper on approved project submitted two weeks prior to close of semester. This course may be repeated four times for a total of 12 semester hours. Prerequisites: CHD 2322, CHD 2432A, CHD 1220.

CHD 2322***Programs for Young Children, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

Study of principles and practices of programs for young children; current research in early childhood education, role of the teacher, and selection and use of equipment and materials for groups of young children.

CHD 2332A***Curriculum for Young Children II, 3 credit hours, 15 lec., 60 lab. (Fall and as needed)**

Study of and development of effective skills and techniques used in program planning and use of creative media for young children. Prerequisite: CHD 2432A.

CHD 2334A***Curriculum for Young Children III, 3 credit hours, 15 lec., 60 lab. (Summer and as needed)**

Study of the principles, methods, and materials used to assist young children acquire basic skills to use language effectively and competently; evaluation and development of appropriate teaching materials to use with young children. Prerequisite: CHD 2432A.

CHD 2337A***Curriculum for Young Children IV, 3 credit hours, 15 lec., 60 lab. (Summer and as needed)**

Study of the basic concepts, methods, and materials of mathematics and science appropriate to the education of young children. Identification of the role of staff members in the center for the education of young children. Assignment with young children in community agencies. Prerequisite: CHD 2342A.

CHD 2432A***Curriculum for Young Children I, 3 credit hours, 15 lec., 60 lab. (Fall, Summer, Spring)**

Study of the techniques of using language arts, science, art, social studies, music, mathematics, and physical activities with young children. Participation in Child Development Education Center.

CHD 2433***Child Development Seminar, 3 credit hours, 45 lec. (Offered as needed)**

This course focuses on current trends and issues in the field of early childhood education. The topic will vary based on current trends and issues.

CHM 1020**Chemical Science, 4 credit hours, 60 lec. (Fall, Spring, Summer)**

Fundamental principles and theories of the dual nature of physical existence, matter and energy; atomic theory; periodicity of elements; dependence of properties on structure; kinetic molecular theory; the nature of chemical bonding.

CHM 1045C**College Chemistry 1, 4 credit hours, 45 lec., 45 lab. (Fall, Spring, Summer)**

Quantitative approach to modern theoretical and physical chemistry, with appropriate development of laboratory techniques. Logical treatment of experimental data leading to understanding of (1) particulate, electrical nature of matter and bonding, (2) periodicity of properties of the elements, and (3) relationships of properties to structure. For science majors, premedical, pre-engineering students and others who have acceptable backgrounds in chemistry and math. Prerequisite: MAC 1102 or MAC 1105.

CHM 1046C**College Chemistry II, 4 credit hours, 45 lec., 45 lab. (Fall, Spring, Summer)**

Continuation of CHM 1045C: Solutions, chemical equilibrium and qualitative analysis. Electrochemistry, radiation chemistry and hydrocarbons.

* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

CHM 2210C**Organic Chemistry I, 4 credit hours, 45 lec., 45 lab (Offered as needed)**

Hydrocarbons, stereochemistry, molecular structure, and reaction mechanisms. Prerequisite: CHM 1045C and 1046C or equivalent.

CHM 2211C**Organic Chemistry, 4 credit hours, 30 lec., 30 lab. (Offered as needed)**

In continuation of Organic Chemistry I (CHM 2210) the relationships between functional groups and properties of organic compounds will be discussed. Infrared -, NMR-, and mass spectroscopy will be used for identification of organic compounds and for structure analysis. The transition state theory is applied to interpret the nucleophilic addition reactions, the carbanion condensation reactions, the interconversions of carbonyl compounds and the nucleophilic acyl substitution of carboxylic acids and their derivatives. Biochemical topics, i.e. lipids, carbohydrates, amino acids and proteins are included. Prerequisite: CHM 2210C.

CIS 1000 Δ**Introduction to Computer Science, 3 credit hours, 45 lec. (Offered as needed)**

A broad survey of computing and computer science topics appropriate for computer science, computer engineering, and information systems students. Includes an introduction to structured programming. Math placement at the college algebra level strongly advised.

CIS 1940* Δ**Internship in Computer Studies, 3 credit hours (Offered as needed)**

Designed to allow skill building through individualized work-based learning and on-the-job experiences; specific learning objectives are dependent upon the job location and the student's skill level at the time. May be taken four times for credit.

CJD 1250***Interviews and Interrogations, 3 credit hours, 45 lec. (Offered as needed)**

An advanced course designed to cover the techniques, methods, principles, and issues of interviewing and interrogations. Course meets Florida Police Standards Salary Incentive Requirements.

CJD 1460***Basic Correctional Operations, 3 credit hours, 45 lec. (Offered as needed)**

The operation of correctional facilities is studied, including the intake of new inmates, all aspects of their daily care, institutional procedures and techniques utilized by officers to do daily tasks. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1468***Youthful Offenders, 3 credit hours, 45 lec. (Offered as needed)**

A course designed to provide the student with an overview and awareness of Florida youthful offender programs to include; facilities and specialized programs, staff-inmate relations, one-way/two-way communications and effective communications and effective communications skills, positive characteristics for staff working with youthful offenders; the helping relationship inventory, local treatment programs, opportunities and alternatives, treatment problem solving and other techniques relating to youthful offenders.

CJD 1501***Criminal Justice Instructor Techniques, 5 credit hours, 60 lec., 20 lab. (Offered as needed)**

A basic course in instrumental principles designed to equip the law enforcement specialist with techniques of classroom and field training methods.

CJD 1602***Drug Awareness, 3 credit hours, 45 lec. (Offered as needed)**

This course is a part of the Criminal Justice Standards and Training Commission approved Advanced Training Program. It is designed to familiarize students with common drug abuse terms, classes of drugs, pharmacological information relating to commonly used and abused chemicals and their effects, an overview on use patterns and characteristics of drug abusers, how to troubleshoot and deal with problems that develop among abusers and effective presentation skills.

CJD 1604***Injury and Death Investigation, 3 credit hours, 45 lec., (Offered as needed)**

This course is designed to qualify in-service law enforcement and correctional officers and support personnel in the area of injury and death investigations, to include: medical-legal aspects, evidence from wounds, physical evidence and laboratory analysis, crime scene investigations and other technical aspects of injury and death.

CJD 1610***Criminal Investigative Techniques, 3 credit hours, 34 lec. (Offered as needed)**

This course in Criminal Investigative Techniques for Law Enforcement Officers is an Advanced Course primarily designed for Florida law enforcement officers and has been approved by the Florida Criminal Justice standards and Training Commission. With permission of the instructor, it may be offered to other students enrolled in the CJ Program. It is designed to provide the student with instruction in Florida investigative concepts and techniques, use of evidence and related matters.

* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

Δ Technology-Across-the Curriculum Course

CJD 1615*

Police Radar Operator, 3 credit hours, 45 lec. (Offered as needed)

This course is sanctioned by the Florida Police Standards and Training Commission and meets requirements of Chapter 943.14(10)(a), Florida Statutes. It is designed to equip law enforcement officers with the basic knowledge and skills needed for proper operation of radar speed measurement devices.

CJD 1617A*

Basic Laser Certification, 3 credit hours, 30 lec., 15 lab. (Offered as needed)

This course is designed to qualify students and especially in-service law enforcement officers in the use, principles, and overviews of using a Laser Speed Measurement Device. It will include instruction on the relationships of speed offenses and motor vehicle crashes, the principles of laser based speed measurements, as well as courtroom testimony, case law, and a classroom practicum. Prerequisite: Certified Law Enforcement Officer.

CJD 1618*

Radar to Laser Operations, 1 credit hour, 15 lec., 15 lab. (Offered as needed)

This is a course for radar certified law enforcement officers in the use, principles, and overviews of a Laser Speed Measurement Device. It will include instruction on the relationship of speed offenses and motor vehicle crashes, the principles of laser based speed measurements, as well as courtroom testimony, case law, and classroom practice. Prerequisite: CJD 1615, Police Radar Operator or equivalent.

CJD 1621*

Officer Survival Techniques, 2 credit hours, 30 lec. (Offered as needed)

This course is part of the Criminal Justice Standards and Training Commission specialized Training Program. It is designed to prepare law enforcement officers for police operations involving street survival techniques and procedures to include (but not limited to) firearms training, hostage situations, raids, individual survival techniques, special survival exercises.

CJD 1625*

Special Tactical Problems for Law Enforcement, 3 credit hours, 45 lec. (Offered as needed)

This course is a part of the Criminal Justice Standards and Training Commission Advanced Training Program. It is designed to prepare law enforcement officers for police operations which involve special tactical situations and will include; importance of physical well-being in the Criminal Justice setting, an overview of Florida local disaster procedures, civil disorder patterns, special task force unit operations, special crime areas and practical exercises.

CJD 1680*

Florida Criminal Law, 5 credit hours, 80 lec. (Offered as needed)

A course designed to provide the student with an overview of criminal law, laws of arrest, rules of evidence, etc. concerning Florida law.

CJD 1700*

Criminal Justice Legal I, 3 credit hours, 45 lec. (Offered as needed)

Criminal Justice Legal I provides an introductory overview of the Criminal Justice System and a history of law. The foundation and basic components of law are studied with specific focus upon officer application. Court procedure and testimony are examined. Objectives are addressed as specified by the Criminal Justice Standards Training Commission.

CJD 1701*

Criminal Justice Legal II, 3 credit hours, 45 lec. (Offered as needed)

Constitutional Law and its application to the public and officers are examined. Law – including evidence procedures, arrest laws, search and seizure, and various statutory laws that are common to Police and Correctional officers – are studied. Emphasis is given to elements of various crimes. Various civil law applications are covered. Civil and criminal liability of officers is studied. Objectives are addressed as specified by the Criminal Justice Standards and Training commission.

CJD 1702*

Criminal Justice Communications, 3 credit hours, 45 lec. (Offered as needed)

The report-writing process – from the interview, statement taking, and note-taking, through the final report product – is covered with practical exercises included. The differences between interviewing and interrogation are explored. Interpersonal skills in communication are covered along with radio and telephone procedures. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1703*

Criminal Justice Interpersonal Skills I, 3 credit hours, 45 lec. (Offered as needed)

Community relations techniques and courtesy are addressed with emphasis given to crime prevention. The needs of various groups within society are addressed including: juveniles, the elderly, ethnic and cultural groups, the mentally ill and retarded, the physically handicapped, and substance abusers. Intervention techniques for various situations including: suicide, domestic violence, and other crises are studied, with practical exercises. Stress recognition and reduction are included. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1704*

Criminal Justice Defensive Tactics, 4 credit hours, 45 lec., 30 lab. (Offered as needed)

Instruction includes the techniques used for an officer's personal safety and those necessary to subdue, search, and then transport resisting individuals. The use of restraining devices, impact weapons, and pressure points are covered. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

CJD 1705A*

Criminal Justice Weapons, 3 credit hours, 30 lec., 30 lab. (Offered as needed)

Criminal Justice Weapons includes instruction in the use of officer firearms including handguns and shotguns. Safety procedures and ammunition use are covered in lecture. Instruction includes the use of chemical agents, with practical exercises included. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1721*

Law Enforcement Patrol, 3 credit hours, 45 lec. (Offered as needed)

Law Enforcement Patrol addresses the skills and techniques that are needed by officers daily to do patrol tactics and respond to various types of calls. Methods of approach to various high-risk situations are explored, with practical exercises included. Unusual occurrence events, including fire-fighting and crowd control are addressed. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1722*

Law Enforcement Traffic, 3 credit hours, 5 lec. (Offered as needed)

Law Enforcement Traffic studies traffic enforcement and control, with the inclusion of DUI offenses and enforcement. Traffic accident investigation, scene management, and reporting procedures are studied. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1723*

Law Enforcement Vehicle Operation, 3 credit hours, 20 lec., 40 lab. (Offered as needed)

The components of the police driving environment are explored, and practical exercises on the driving range are conducted. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1724*

Law Enforcement Investigations, 4 credit hours, 60 lec. (Offered as needed)

Law Enforcement Investigations addresses investigation of various crimes, including property crimes, persons crimes, narcotics offenses, vice, organized crime, terrorist activity, bombing incidents, and death investigations. Techniques are developed from the initial observation methods through the processing of the crime scene and case preparation. Florida's computer network is studied as an information source. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1740*

Criminal Justice Interpersonal Skills II, 3 credit hours, 45 lec. (Offered as needed)

The interpersonal skills needed by officers to understand the incarcerated society are explored, with emphasis upon supervision methods. Inmate adjustment and the various segments of the society are studied. The course includes the study of homosexuality, female inmates, deception and manipulation by inmates, and institutional criminalities. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1741*

Correctional Emergency Preparedness, 2 credit hours, 30 lec. (Offered as needed)

Skills needed for riot and disturbance control and fire-fighting are studied and practiced. Lecture includes methods of riot prevention, handling of unusual occurrences, what to do if taken hostage, and emergency procedures. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1742*

Correctional Operations, 4 credit hours, 60 lec. (Offered as needed)

The operation of correctional facilities is studied – including the intake of new inmates, all aspects of their daily care, institutional procedures, and techniques utilized by officers to do daily tasks. Objectives are addressed as specified by the Criminal Justice Standards and Training Commission.

CJD 1930*

Human Diversity Workshop, 2 credit hours, 30 lec. (Offered as needed)

This course is designed to enhance the participant's awareness of their own cultural rules and predispositions and how these cultural influences come into play in common interactions with others. This awareness is used to develop the participants' understanding of issues related to human diversity: gender, race, ethnicity, etc. The program also presents basic skills and knowledge related to interacting with diverse individuals and groups.

CJD 1956*

Post Pursuit Tactics, 3 credit hours, 30 lec., 15 lab. (Offered as needed)

Course is designed to instruct public safety professionals how to combat post pursuit stress syndrome and to effectively channel stress in a positive manner at the termination of a high speed pursuit. Prerequisite: Must be a certified law enforcement officer.

CJD 1957*

Post Pursuit Trainer Techniques, 1 credit hour, 15 lec. (Offered as needed)

Course is designed to instruct public safety professionals how to teach methods to combat post-pursuit stress syndrome and to effectively channel stress in a positive manner at the termination of a high speed pursuit. Prerequisite: Must be a certified law enforcement officer.

* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

CJD 2254*

First Responder for Law Enforcement, 3 credit hours, 45 lec. (Offered as needed)

This course is designed primarily to qualify in-service law enforcement and correctional officers in the area of first responder to medical emergencies to include: introduction to first responder training, overview of the human body, diagnostic signs of patient examination, airway care & pulmonary resuscitation, cardiopulmonary resuscitation, shock, bleeding, primary patient care and injuries. Objectives are addressed as specified by the Criminal Justice Standards & Training Commission.

CJD 2301*

Ethics in Criminal Justice, 3 credit hours, 45 lec. (Offered as needed)

An overview of ethical considerations applied to the criminal justice profession.

CJD 2310*

Criminal Justice Supervision, 5 credit hours, 80 lec. (Offered as needed)

A career development course for full time police officers designed to train the line supervisor.

CJD 2320*

Criminal Justice Management, 5 credit hours, 80 lec. (Offered as needed)

An advanced course designed to train criminal justice supervisors in the techniques and procedures necessary for middle managers.

CJD 2470*

Emergency Preparedness for Correctional, 3 credit hours, 45 lec. (Offered as needed)

This course is designed to qualify in-service correctional officers and correctional support personnel in the area of emergency preparedness, to include; emergency plans, specifics on disturbances and disorder planning, hostage plans and situations, factors affecting emergency planning and management and leadership.

CJD 2603*

Sex Crimes, 3 credit hours, 45 lec. (Offered as needed)

This course is designed to provide the student with the knowledge and expertise to effectively deal with various sex offenders. It deals with the magnitude of the problem, investigation and physical evidence. It also addresses victim considerations and legal aspects through court presentation. Prerequisite: Certified Law Enforcement or Corrections Officer.

CJD 2605*

Traffic Homicide Investigation, 3 credit hours, 45 lec. (Offered as needed)

Course content covers traffic homicide investigation skills to include reconstruction, meets Florida Justice Standards and training certification requirements for career development.

CJD 2626*

Hostage Negotiations for Criminal Justice, 3 credit hours, 45 lec. (Offered as needed)

This course is designed to qualify in-service law enforcement and correctional officers and support personnel in the area of hostage negotiations, to include; introduction to the problem, types of hostage negotiations principles, communications principles, intelligence gathering, abnormal behavior and participant performance exercises.

CJD 2630*

Firearms Instructor, 2 credit hours, 15 lec./30 lab (Offered as needed)

This course is designed to provide the student with knowledge and expertise to instruct untrained students in the proper use of firearms, range safety, and weapon maintenance. The student shall also be instructed in legal aspects and range management. Prerequisite: CJD 1501, Instructor Techniques or equivalent.

CJD 2632*

Field Training Officer Techniques, 3 credit hours, 45 lec. (Offered as needed)

Designed to introduce the criminal justice student (law enforcement and corrections) to all aspects of field training and evaluation programs to include adult learning and instruction, evaluation, role responsibilities and characteristics of the Field Training Officer (F.T.O.) communications techniques, counseling techniques, legal and ethical issues and human motivation. This is course number 51 in the series approved by the Florida Criminal Justice Standards and Training Commission Advanced Courses.

CJD 2670*

Confidential Informants, 3 credit hours, 45 lec. (Offered as needed)

This course is designed for in-service law enforcement, correctional officers and support personnel to qualify them in the area of development of confidential informants and other sources of information, to include; definition and management of an informant program, legal aspects of dealing with informants, and the development of other sources of investigative information.

CJD 2681*

Court Case Preparation and Court Presentation, 3 credit hours, 45 lec. (Offered as needed)

Fundamentals of criminal case preparation and court presentation for the law enforcement and/or correctional officer to include case files, pre-trial discovery, depositions, plea bargaining, court testimony, moot court, post adjudication responsibilities, case studies and a practical exercise. This is course number 20 in the series approved by the Florida Criminal Justice Standards and Training Commission Advanced Courses.

* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

CJD 2691***Stress Awareness and Resolution, 3 credit hours, 45 lec. (Offered as needed)**

A course designed to provide the student with an overview and awareness of stress and its resolution, to include: identification of various types of stress, the results of stress, psychological methods of controlling stress, case study analysis, and spouse awareness and involvement. This is course number 50 in the series approved by the Florida Criminal Justice Standards and Training Commission Advanced Courses.

CJD 2720***Law Enforcement Legal III, 3 credit hours, 45 lec. (Offered as needed)**

Various criminal laws and their elements are studied. Emphasis is placed upon those laws specific to police application. Traffic and driver's license laws are studied. Legal considerations of officer vehicle operation are addressed as specified by the Criminal Justice Standards and Training Commission.

CJT 1120***Crime Scene Procedures, 3 credit hours, 45 lec. (Offered as needed)**

Course emphasizes preliminary investigation techniques, crime scene protection, recording, processing, collection and preservation of evidence, fingerprint technology and legal aspects of evidence.

CJT 1230***Chemical Tests for Intoxication, 3 credit hours, 45 lec. (Offered as needed)**

Background and history of alcohol on motor coordination; operation and maintenance of breathalyzer equipment; court testimony; legal aspects of laws governing DUI. Required course for state certification.

CJT 2100***Criminal Investigation, 3 credit hours, 45 lec. (Offered as needed)**

Fundamentals of investigation; duties and responsibilities of the detective's interrogation techniques; search and techniques of protecting the crime scene; collection and preservation of evidence; modus operandi systems; scientific aids and other sources of information; court preparation and case followup.

CJT 2140***Introduction to Criminalistics, 3 credit hours, 45 lec. (Offered as needed)**

The scientific aspects of investigation and crime scene technology, crime laboratory functions, ballistics, dactyloscopy and latent print development, scientific methods of criminal identification.

CJT 2220***Law Enforcement Photography, 3 credit hours, 45 lec. (Offered as needed)**

A basic course in police photography techniques to include photographic principles, illumination, composition, identification, fingerprint, crime scene, traffic accident, courtroom technician darkroom and film processing, enlarging, printing and field application. By permission of instructor. Prerequisite: CJT 2100 or CJT 1120.

CJT 2340***Police Operations, 3 credit hours, 45 lec. (Fall, Spring)**

Responsibilities, powers and duties of the uniformed patrolman; patrol techniques and procedures; field interrogation and notetaking; mechanics of arrest and search; handling of the mentally ill; transportation of prisoners; crime scene procedures; elements of property protection; fundamentals of community relations; mob and riot control; dealing with domestic violence, gangs and drug crime; civil liability of officers and departments.

CJT 2350***Writing and Reviewing Reports, 3 credit hours, 45 lec. (Offered as needed)**

Designed to give students a broad understanding of writing and reviewing criminal justice reports. Specifically designed for correctional and law enforcement officers.

CLP 1002**Personal Adjustment, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

Psychology of adjustment, application of psychological theory for problem solving and better mental health. An examination of psychological defense mechanisms and adaptive behavior.

CLP 2140**Abnormal Psychology, 3 credit hours, 45 lec. (Offered as needed)**

A study of the different problems in psychopathology, including anxiety, depression, social deviance, psychosis, schizophrenia, both child and adult, mental retardation and general brain dysfunction, with emphasis on descriptive etiology, known causes, and treatments. Prerequisite: PSY 2012.

COA 2100***Consumer Education, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

A study of the role of the consumer and consumer goods and services related to the home. The course will encourage wise planning and use of family resources.

COP 2010 Δ**Visual Basic Programming, 3 credit hours, 45 lec. (Offered as needed)**

This course includes programming in visual basic. Students will learn to create innovative and useful windows programs. Topics include: string handling, variables, loops and arrays, formatting techniques, labels, buttons, menus, loading and saving, error handling, graphics, and linking applications. Prerequisites: CIS 1000 and CGS 2564 or equivalent.

* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

Δ Technology-Across-the Curriculum Course

COP 2011 Δ**Advanced Applications Programming in Visual Basic, 3 credit hours, 45 lec. (Offered as needed)**

This course introduces the advanced features of Visual Basic. The student will learn to create advanced versions of innovative and useful windows programs. Topics to be discussed include: basic and advanced graphical user interface development; sequential file processing; advanced object-oriented programming; ActiveX components; advanced database management development including interfacing to external applications and Visual Basic's internal database manager; multimedia, networking; and advanced data structures. Prerequisite: COP 2010.

COP 2210 Δ**Pascal Programming, 3 credit hours, 45 lec. (Offered as needed)**

Designed for data processing majors, uses top-down design, structure logic, and a higher level language to solve problems on a computer. Stresses proper documentation of programs to be used in a computer center. Prerequisite: CIS 1000 or equivalent and proficiency in basic algebra required.

COP 2120 Δ**COBOL Programming, 3 credit hours, 45 lec. (Offered as needed)**

A survey of an introduction to COBOL programming. Historical development, general concepts and state of the art. COBOL is introduced with emphasis on problem solving. Emphasis on methods of analyzing business problems for computer adaptation. Prerequisite: CIS 1000.

COP 2200 Δ**FORTRAN Programming, 3 credit hours, 45 lec. (Offered as needed)**

An introduction to the computer programming language of FORTRAN. Includes general introduction to computer programming, general programming concepts, elementary problem solving and flowcharting. Involves actual problem solving by the use of the FORTRAN language on the computer. Prerequisite: CIS 1000.

COP 2220 Δ**Programming in C, 3 credit hours, 45 lec. (Offered as needed)**

An introduction to C programming language using microcomputers. Prerequisite: CIS 1000 or equivalent.

COP 2224 Δ**Programming in C++, 3 credit hours, 45 lec. (Offered as needed)**

An introduction to C++ programming using microcomputers. Prerequisite: CIS 1000 and COP 2220 or equivalent.

COP 2800 Δ**Introduction to JAVA Programming, 3 credit hours, 45 lec. (Offered as needed)**

An introduction to programming using the Java language. Students will develop and apply individual programs. Prerequisite: CIS 1000 or equivalent demonstrated skills.

CRW 2000**Creative Writing I, 3 credit hours, 45 lec. (Offered as needed)**

Instruction and practice in writing various forms of poetry, short story, drama, and/or other modes and in submitting for publication.

CRW 2002**Creative Writing II, 3 credit hours, 45 lec. (Offered as needed)**

Advanced work in poetry and prose modes. Prerequisite: CRW 2000 or equivalent, or demonstrated publication at equivalent or higher level.

CRW 2013**Writing Scripts for Film and Television, 3 credit hours, 45 lec., (Offered as needed)**

This course offers an introduction to the theory and practice of writing scripts for television and film. Students will develop a body of original work with a goal toward publication.

CRW 2100**Introduction to Fiction Writing, 3 credit hours, 45 lec. (Offered as needed)**

This course offers extensive practice writing fiction. Students will develop a body of original creative work under the supervision of the instructor and will submit works for publication. Upon agreement with the instructor, students may elect to develop either individual short stories or novel chapters with synopsis. Prerequisites: None, but CRW 2000 and CRW 2002 recommended.

CRW 2300**Introduction to Poetry Writing, 3 credit hours, 45 lec. (Offered as needed)**

This course offers extensive practice writing poetry. Students will develop a body of original creative work under the supervision of the instructor and will submit works for publication. Prerequisites: None, but CRW 2000 and CRW 2002 recommended.

DAA 1100**Modern Dance, 2 credit hours, 15 lec., 30 lab. (Offered as needed)**

The beginning modern dance class is designed to affect an understanding of the art of the modern dance at a beginning level. It includes a brief history of the dance, instruction and practice in basic dance techniques, improvisation, and dance forms. This course may be taken up to four (4) times for credit.

DAA 1101**Intermediate Modern Dance, 2 credit hours, 15 lec., 30 lab. (Offered as needed)**

The intermediate modern dance class is designed to affect understanding the art of the modern dance at an intermediate level. It includes a continued historical analysis of modern dance; instruction and practice in intermediate dance techniques, improvisation, and dance forms. This course may be taken up to four (4) times for credit.

* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

Δ Technology-Across-the Curriculum Course

DAA 1200

Beginning Ballet I, 2 credit hours, 15 lec., 30 lab. (Offered as needed)

Ballet I is a beginning dance course designed to serve as an introduction to the tradition and discipline of the art of classical ballet. Physical development of body as and expressive instrument for ballet movement will be stressed as strength, flexibility, balance, agility, alignment, turn-out, control, elevation and sensitivity to line are studied. This course may be taken up to four (4) times for credit.

DAA 1201

Intermediate Ballet, 2 credit hours, 15 lec., 30 lab. (Offered as needed)

Intermediate Ballet is designed to train the more advanced student in the tradition and discipline of the art of the classical ballet beyond the basics. Physical development of the body as an expressive instrument for ballet movement will continue to be stressed as strength, flexibility, balance, agility, alignment, turn-out, control, elevation, and sensitivity to line are improved. This course may be taken up to four (4) times for credit.

DAA 1500

Jazz Dance, 1 credit hour, 30 lab. (Offered as needed)

This course includes a brief history of the jazz dance and instruction and practice in jazz dance techniques exploring popular dance idioms.

DAA 1501

Intermediate Jazz Dance, 1 credit hour, 30 lab. (Offered as needed)

A continuation of Jazz Dance.

DAA 1520

Tap Dance, 1 credit hour, 30 lab. (Offered as needed)

Instruction in beginning techniques of tap dance. Course may be taken four times for credit.

DAA 1680

Dance Workshop, 1 credit hour, 30 lab. (Offered as needed)

Instruction and participation in dance as required by specific productions, i.e., Theatre/Show Choir. This course may be taken up to four (4) times for credit.

DAA 1681

Dance Ensemble, 1 credit hour, 30 lab. (Offered as needed)

The student shall participate in the preparation and performance of original dance compositions to include dance line performances. This course may be taken up to four (4) times for credit.

DAA 2610

Dance Composition, 2 credit hours, 15 lec./30 lab. (Offered as needed)

This course encourages the student to explore and compose dance by improving technical skills, developing improvisation and choreographic skills, and enhancing performance skills. Prerequisites: At least one semester of Modern Dance or department audition.

DAA 2682

Dance Workshop II, 1 credit hour, 30 lab. (Offered as needed)

Continued instruction and participation in dance as required by specific Music Theatre productions. This course may be taken up to four (4) times for credit. Prerequisite: A demonstration of competence required.

DEP 2004

Human Growth and Development, 3 credit hours, 45 lec. (Fall, Spring, Summer)

A research oriented course in human development, covering the life span of the human being from conception to death. Special emphasis placed upon the interrelationships of the stages of development of the normal person.

ECO 2013

Economics I, 3 credit hours, 45 lec. (Fall, or as needed)

Macroeconomics. Basic concepts and principles, national income accounting; fiscal and monetary policy and application, growth economics. Will satisfy General Education elective. Basic math skills required.

ECO 2023

Economics II, 3 credit hours, 45 lec. (Spring, or as needed)

Microeconomics. Economic structures, price theory, factor markets, and general equilibrium. Current national and international problems. World trade and balance of payments. Comparative economics. Prerequisite: ECO 2013 or equivalent.

EDF 1005

Introduction to Education, 3 credit hours, 45 lec. (Fall, Spring)

A study of the history, philosophy and social context of education. The course will help the student think critically about the process of education and his/her role as an educator. Student will observe and participate in the educational settings of local schools. (Plus 30 hours field experience.)

EDG 2701

Teaching Diverse Populations, 3 credit hours, 45 lec. (Fall, Spring)

This course will provide the student with the opportunity to explore personal values and attitudes toward cultural diversity. Designed for the prospective educator, the theoretical component will examine the issues of teaching in culturally diverse classrooms. Field experience and examination of educational materials will enhance the student's understanding of multiculturalism. (Plus 30 hours field experience) Prerequisite: EDF 1005.

* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.

EDP 2002

Educational Psychology, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Significant aspects of the growth and development of children and youth, including physical, social, and intellectual developments as they affect behavior patterns. Psychology as applied in improving the learning process.

EET 1015C*

Basic Electricity/Electronics I, 4 credit hours, 30 lec., 60 lab. (Offered as needed)

This course introduces the electron theory, the theory, analysis, and troubleshooting of series, parallel and series parallel DC resistive circuits, network theorems, DC meters, magnetism, and electromagnetic induction. Laboratory safety is emphasized and extensive practice is given in the use multimeters.

EET 1018*

Direct Current Network Analysis, 1 credit hour, 15 lec. (Offered as needed)

This course reviews basic circuit formulas and calculations such as Ohm's Law and Kirchoff's laws. It also enables students to develop an understanding of the analysis of multisource circuits using Millman's theorem, superposition mesh currents, nodal analysis, Thevenin's theorem and Norton's theorem. Prerequisite: Completion of vocational program containing DC circuits without analysis.

EET 1025C*

Electricity/Electronics II, 4 credit hours, 30 lec., 60 lab. (Offered as needed)

This course introduces alternating current and the circuit properties of inductance and capacitance. Subjects covered are inductors, capacitors, the theory and analysis of RL, RC, RLC, and resonant circuits, filters and complex notations. Laboratory safety will continue to be emphasized and extensive practice given in use of the oscilloscope. Prerequisite: EET 1015C or equivalent.

EET 1028*

Alternating Current Network Analysis, 1 credit hour, 15 lec. (Offered as needed)

This course reviews basic circuit formulas and calculations such as Ohm's Law and Kirchoff's laws. It also enables students to develop an understanding of the techniques to analyze AC circuits. The techniques include: network theorems, transient analysis in RL and RC circuits, the effects of loading on transformers, and the use of complex numbers in RLC circuit analysis. In addition, Faraday's Law of induced voltages and mutual inductance will be analyzed. Prerequisite: Completion of vocational program containing AC circuits without analysis.

EET 1141C*

Devices and Circuits I, 4 credit hours, 30 lec., 60 lab. (Offered as needed)

This course introduces semiconductor and PN junction theory. Devices studied include: the diode, the bipolar junction transistor, JFETs and MOSFETs. Circuits studied include: diode circuits, power supplies, transistor biasing, small signal amplifiers, and power amplifiers. Circuits studied in this course will be constructed and tested in the laboratory. Students will also perform the calculations necessary to design both power supply and amplifier circuits. Prerequisite: EET 1025C or equivalent.

EET 1142C*

Devices and Circuits II, 4 credit hours, 30 lec., 60 lab. (Offered as needed)

This course continues the study of electronic devices and circuits to include SCR's, DIAC's, TRIAC's, Shockley diodes, silicon controlled switches (SCS), and optoelectronic devices. Circuits studied include the Op Amp, oscillators, voltage regulators, active filters, and differential amplifiers. Prerequisite: EET 1141C or equivalent.

EET 1149*

Design and Analysis of Discrete Solid State Circuits, 1 credit hour, 15 lec. (Offered as needed)

This course begins with a review of basic diode and transistor characteristics. Then it incorporates methods of design and analysis of power supplies, filters and regulators. The design and analysis of bipolar junction transistor circuits is also studied. Prerequisite: Completion of vocational program containing solid state circuits without analysis and design.

EET 1606C*

Soldering/PC Board Techniques, 2 credit hours, 15 lec., 30 lab. (Offered as needed)

This course enables the student to develop the knowledge and skills needed for high reliability soldering. The student will work with and practice maintenance of high quality soldering. The student will work with and practice maintenance of high quality soldering stations.

EET 2215C*

Electronic Instrumentation, 4 credit hours, 30 lec., 60 lab. (Offered as needed)

This course covers the science of electronic measurements including terminology, errors, accuracy and tolerance, units, and standards. In addition, measurement methods and problems are covered. Also covered are test equipment theory, design, maintenance, are covered including DC meters, AC meters, analog, digital, strip recorders, AC and DC bridges, transducers oscilloscopes and probes, waveform generators and analyzers, fiber optic measurements, logic analyzers and complete instrumentation systems including ATE. Prerequisite: EET 1142C.

* This college credit course is not intended for transfer and may not be applied toward the A.A. degree.