

COLLEGE CREDIT COURSES

ACG 2001 Δ

Accounting I, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Accounting information system; double entry system, income and adjustments; accounting cycle completion; merchandise and special journals; internal control and voucher system; short-term liquid assets; inventory methods; liabilities and payroll; acquire, depreciate, and dispose of assets; capital or expenditures; asset depletion and amortization; code of professional ethics. Prerequisites: although not required, MTB 1103 is highly recommended.

ACG 2011

Accounting II, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Accounting for corporations; long-term liabilities, using future values and present values; statement of cash flows; financial statement analysis, and international accounting. Prerequisite: ACG 2001.

ACG 2071

Managerial Accounting, 3 credit hours, 45 lec. (Fall, Spring, Summer)

The basic principles of accounting techniques for the preparation of internal reports related to the management of the firm and the interpretation of financial data useful in the decision-making process within the economic framework of the firm. Prerequisites: ACG 2011 or ACG 2021.

ACG 2450 Δ

Computer Applications for Accounting, 3 credit hours, 45 lec. (Offered as needed)

An introductory course in computerized integrated accounting procedures found in the microcomputer environment. Includes application of software designed for general ledger, accounts payable and receivable, financial statement analysis, purchasing and sales order processing, fixed assets, payroll, inventory and departmental accounting. Prerequisite: ACG 2001.

ACO 1806*

Payroll Accounting, 3 credit hours, 45 lec. (Offered as needed)

Introduction to the theory, laws and procedures related to payroll activities of a business. Topics include payroll and personnel records, federal payroll laws, payroll operations, computerized payroll systems, and preparation of payroll registers, earnings records, and payroll tax forms. Prerequisite: ACG 2001.

AMH 1041

American Civilization, 3 credit hours, 45 lec. (Offered as needed)

Unified history of social and intellectual issues. A study of major American concerns and issues, the proposals, their formative ideas, the resolution attained in an emerging pattern of American character and heritage. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general

education, a minimum grade of "C" is also required. Prerequisite: A passing score on the standardized placement test measuring communication/verbal achievement or successful completion of ENC 0080 and/or LIN 1670 with a grade of "C" or better.

AMH 2010

American History I, 3 credit hours, 45 lec. (Fall, Spring, Summer)

American History to 1865; describes the social, political, and economic development of the American people against the geographical background of the New World. Particular emphasis on American intellectual and political thought leading to the emergence of basic American character, ideas and attitudes. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general education, a minimum grade of "C" is also required. Prerequisite: A passing score on the standardized placement test measuring communication/verbal achievement or successful completion of ENC 0080 and/or LIN 1670 with a grade of "C" or better.

AMH 2020

American History II, 3 credit hours, 45 lec. (Fall, Spring, Summer)

American History from 1865, concentrating on industrial growth, the rise of corporate business, big labor, and government organization. Modification of basic American character and ideas as a continual historical process. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general education, a minimum grade of "C" is also required. Prerequisite: A passing score on the standardized placement test measuring communication/verbal achievement or successful completion of ENC 0080 and/or LIN 1670 with a grade of "C" or better.

AMH 2061

Southern Cultural History, 3 credit hours, 45 lec. (Offered as needed)

Southern Cultural History – describing the social, political, and economic development of the South. Particular emphasis on Southern community, music, folk art, folklore and other elements associated with the American South from the Civil War to the present.

AMH 2070

Florida History, 3 credit hours, 45 lec., (Offered as needed)

A survey of Florida history from the colonial period through the 20th century.

AMH 2071

Survey of Early History of Florida, 3 credit hours, 45 lec. (Offered as needed)

A survey of Florida history from pre-Columbian populations through the Territorial Period.

* 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

AML 2010

American Literature I, 3 credit hours, 45 lec. (Offered as needed)

A course in American Literature from the Colonial period to the Civil War. This course may be used for Humanities credit. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general education, a minimum grade of "C" is also required. Prerequisite: ENC 1101.

AML 2020

American Literature II, 3 credit hours, 45 lec. (Offered as needed)

A course in American Literature from Civil War to present. This course may be used for Humanities credit. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general education, a minimum grade of "C" is also required. Prerequisite: ENC 1101.

ANT 2000 ❖

Introduction to Anthropology, 3 credit hours, 45 lec. (Offered as needed)

Introduction to the fundamental principles, concepts, methods and theories in Anthropology. Includes a brief introduction to the subdisciplines of Anthropology: Cultural Anthropology, Physical Anthropology, Archaeology, and Linguistics. A cross-cultural perspective will be paramount in the study of Anthropology.

ANT 2100 ❖

Introduction to Archaeology, 3 credit hours, 45 lec. (Offered as needed)

Introduction to the fundamental principles, methods, and theories in Archaeology. Includes a history of the development of Archaeology, and examination of the nature of Archaeological data and research, an introduction to archaeological data and analysis, and an examination of approaches to synthesis and interpretation. North and South American archeology is studied, but nonwestern examples are also studied to enhance an understanding of the development of the discipline in Europe and the Americas.

ANT 2159C

Florida Southeast US Archaeology, 3 credit hours, 15 lec., 60 lab. (Offered as needed)

Introduction to special topics in anthropology and archaeology. Example: field experience in archaeology, brief introduction to prehistoric native American cultures in Florida and the southeastern United States and field experience excavating a prehistoric site in Okaloosa County.

ANT 2930

Special Topics in Anthro/Archaeology, 3 credit hours, 45 lec. (Offered as needed)

Introduction to special topics in anthropology and archaeology. Example: Survey and introduction to pre-historic and early historic Native American cultures in Florida and the Southeast U.S. Prerequisite: permission of instructor.

ARC 1131

Architectural Presentation, 3 credit hours, 15 lec., 60 lab. (Offered as needed)

This course introduces basic ideas and presentation techniques directed towards developing design skills, such as drawing, perspective sketching, and graphics using a variety of media to include: pencil, ink, colored pencils, markers, and model building to be used in architectural presentations. This course is designed as part of an articulation agreement with Florida A&M University; students interested in transferring to another upper division school should consult with an advisor.

ARC 2201

Theory of Architecture, 3 credit hours, 45 lec. (Offered as needed)

An introduction to architectural theory, selected contemporary architectural theories and movements, their evolution and historical basis. This course is designed as part of an articulation agreement with Florida A & M University; students interested in transferring to another upper division school should consult with an advisor.

ARC 2303A

Design 2.1, 6 credit hours, 30 lec., 120 lab. (Offered as needed)

Application of two-and-three-dimensional design principles learned in first-year design, in preparation for whole building design in third year. Small building projects adding programmatic responsibilities to the design agenda. Emphasis on programmatic issues internal to the building such as function, circulation structure, resolution of form, space and place making. This course is designed as part of an articulation agreement with Florida A & M University; students interested in transferring to another upper division school should consult with an advisor.

ARC 2304

Design 2.2, 6 credit hours, 30 lec., 120 lab. (Offered as needed)

Application of two- and three-dimensional design principles learned in first-year design, in preparation for whole building design in third year. Small building projects adding programmatic responsibilities to the design agenda. Emphasis on programmatic issues internal to the building such as function, circulation structure, resolution of form, space and place making, and human behavior. Prerequisite: ARC 2303A.

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

❖ This college credit course qualifies as having an international and/or diversity focus for Teacher Education Programs common prerequisites.

Δ Technology-Across-the Curriculum Course

ARC 2472

Introduction to the Technology of Architecture, 4 credit hours, 60 lec. (Offered as needed)

This course is the beginning of the technology sequence in the areas of structures, environment technology, and materials and methods of construction. It introduces themes such as the response of buildings to the natural environment, the strength, stiffness, and durability in building materials, and the quantitative method of analysis and design of building assemblies and support systems. It explores the relationship between building technology and the social, aesthetic, environmental and economic aspects of the settings in which buildings are located, and how these factors relate to the process of architectural design. Prerequisite: any college credit physics course. This course is designed as part of an articulation agreement with Florida A & M University; students interested in transferring to another upper division school should consult with an advisor.

ARC 2501

Architectural Structures I, 3 credit hours, 45 lec. (Offered as needed)

The emphasis of the course is on the development of the principles of statics and the application of these principles to the analysis and design of structural systems, primarily column, beam, slab systems, and the truss systems. The course builds on the basic ideas of structural form and material properties developed in Introduction to the Technology of Architecture. Prerequisite: any college level physics or calculus course, and concurrent enrollment in ARC 2472. This course is designed as part of an articulation agreement with Florida A & M University; students interested in transferring to another upper division school should consult with an advisor.

ARC 2701

Survey of History of Architecture, Part I, 3 credit hours, 45 lec. (Offered as needed)

A critical exploration of the history and theory of architecture from pre-history through the end of the 13th Century. Examination of the making and intent of significant buildings and sites tracing the developments that have given meaning to the built environment and brought order to the tectonics of architecture. This course is designed as part of an articulation agreement with Florida A & M University; students interested in transferring to another upper division school should consult with an advisor.

ARH 1000

Humanities Art, 3 credit hours, 45 lec. (Fall, Spring, Summer)

This course offers a study in the basic concepts of art, including function, style and structure with emphasis on the interaction of medium and meaning and problems of art criticism. This class does not fulfill the art history requirements for art majors, but compliments the art major's course of study as an elective. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general education, a minimum grade of "C" is also required. Prerequisite: A passing score on the standardized placement test measuring communication/verbal achievement or successful completion of ENC 0080 and/or LIN 1670 with a grade of "C" or better.

ARH 2050 † ❖

Art History: Pre-Renaissance, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Survey of significant contributions in art from prehistoric through Renaissance. Art will be considered in terms of stylistic qualities as well as iconography and historical context. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general education, a minimum grade of "C" is also required. Prerequisite: A passing score on the standardized placement test measuring communication/verbal achievement or successful completion of ENC 0080 and/or LIN 1670 with a grade of "C" or better.

ARH 2051 † ❖

Art History: Renaissance-18th Century Neo-Classicism, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Survey of significant contributions in art from Renaissance through Contemporary. Art will be considered in terms of stylistic qualities as well as iconography and historical context. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general education, a minimum grade of "C" is also required. Prerequisite: A passing score on the standardized placement test measuring communication/verbal achievement or successful completion of ENC 0080 and/or LIN 1670 with a grade of "C" or better.

ARH 2060 † ❖

Architecture History, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Survey of significant contributions in architecture from prehistoric to modern times. Architecture will be considered in terms of stylistic qualities, structural type, and intended usage. Topics will be addressed according to historical content, societal background, and geographical location. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general education, a minimum grade of "C" is also required. Prerequisite: A passing score on the standardized placement test measuring communication/verbal achievement or successful completion of ENC 0080 and/or LIN 1670 with a grade of "C" or better.

ARH 2411 † ❖

Art History: Modern Art, 3 credit hours, 45 lec., (Summer and as needed)

Surveys and analyzes the major artistic periods and movements from 18th century Neo-Classicism to present. Required for all Art majors. Writing-Across-the-Curriculum course requiring a minimum of 4,000 words of writing. If used to meet AA Gordon Rule requirements for general education, a minimum grade of "C" is also required. Prerequisite: A passing score on the standardized placement test measuring communication/verbal achievement or successful completion of ENC 0080 and/or LIN 1670 with a grade of "C" or better.

† Courses listed with this symbol contain an oral communication component and may be used to satisfy the Speaking-Across-the-Curriculum requirement.

❖ This college credit course qualifies as having an international and/or diversity focus for Teacher Education Programs common prerequisites.

ARH 2930

Art History – Special Topics, 3 credit hours, 45 lec. (Fall, Spring, Summer)

A defined special topics course which is pursued under supervision of a faculty member and recorded through usual departmental procedures. Designed to permit a student to pursue non-scheduled academic and laboratory work which may be of a specialized nature and not available through the college schedule.

ART 1201C

Two-Dimensional Design, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)

An introductory course, both theoretical and applied, dealing with the principles of organization and the elements of design in a two-dimensional format. This is a foundation course for all of the graphic arts: painting, printmaking, and the two-dimensional crafts. See page 42 regarding audit enrollment.

ART 1203C

Three-Dimensional Design, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)

Basic three-dimensional form design. Introduction to the concepts by which shape, texture, value, color space, various materials and surfaces are used to explore 3-D form in art. Art core class. Prerequisite: ART 1201C. See page 42 regarding audit enrollment.

ART 1300C

Drawing I, 3 credit hours, 15 lec., 60 lab., (Fall, Spring, Summer)

Basic drawing course covering different drawing media, line, form, shape, value and spatial relationships. Drawing problems involving a variety of subject matter will be explored. Emphasis is on value, drawing techniques, spatial relationships between shapes and composition. See page 42 regarding audit enrollment.

ART 1301C

Drawing II, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)

Continued study of drawing techniques explored in Drawing I. Provides experience with more complex drawing problems. Emphasis is on self-expression, value, color theory, and composition. A variety of subject matter and drawing media will be explored. Prerequisite: ART 1300C. See page 42 regarding audit enrollment.

ART 1495C

Corporate Imagery, 4 credit hours, 30 lec., 60 lab. (Offered as needed)

A beginning course that introduces students to the procedures and aesthetics of developing photographic illustrations for industrial and advertising use. Students will gain experience using the view camera, electronic lighting, and digital applications of their work.

ART 1600C* Δ

Computer Art I, 3 credit hours, 30 lec., 30 lab. (Offered as needed)

A beginning course to develop basic technical and conceptual skills with a focus on an industry-standard vector-based drawing program. Students will create logos and illustrations typical of graphic design challenges.

ART 1701C

Sculpture I, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)

An introductory course in the technical and aesthetic consideration of sculptural forms. Includes a wide range of materials and expressions, representing past and present sculptural methods. Prerequisite: ART 1203C. See page 42 regarding audit enrollment.

ART 1702C

Sculpture II, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)

Allows continued experience in more complex three-dimensional techniques; emphasis on individual projects and conceptual approach. Prerequisite: ART 1701C. See page 42 regarding audit enrollment.

ART 1750C

Pottery I, 3 credit hours, 15 lec., 60 lab. (Fall, Spring)

The students shall be exposed to the production of pottery utilizing all known hand building techniques. Also includes introduction to potter's wheel and basic wheel fundamentals. First half of course is hand building, second half is devoted to development of skills on the potter's wheel. Students also learn how to glaze pottery and make glass. See page 42 regarding audit enrollment.

ART 1751C

Pottery II, 3 credit hours, 15 lec., 60 lab. (Fall, Spring)

Continues hand building of Pottery I, but major emphasis is placed upon development skills utilizing the potter's wheel. Additional glazing experimentation is also emphasized. Prerequisite: ART 1750C. See page 42 regarding audit enrollment.

ART 1905

Independent Study – Art, 1 credit hour (Fall, Spring, Summer)

A defined independent study which is pursued under supervision of a faculty member and recorded through usual departmental procedures. Designed to permit a student to pursue non-scheduled academic and laboratory work which maybe of a specialized nature and not available through the college schedule. Departmental approval is required. Placement test may be required.

NOTE: If this course is used to satisfy Writing-Across-the-Curriculum requirements for transfer courses to OWCC, a 4,000 word paper with a minimum grade of "C" is required. This course may be taken up to four (4) times for credit.

ART 2330C

Figure Drawing I, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)

The development of technical skills and self-expression through drawing The Figure; course begins with anatomy studies, progresses to conceptualization of human form. Prerequisite: ART 1300C. See page 42 regarding audit enrollment.

* 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

ART 2331C**Figure Drawing II, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)**

This class is a continuation of Figure Drawing I. Emphasis is on composition and self-expression in relation to the human figure. Exploration of media and content will be encouraged. Prerequisite: ART2330C. See page 42 regarding audit enrollment.

ART 2400C**Introduction to Printmaking I, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)**

Introduction to various printmaking techniques possibly including block printing calligraphy, monotype, etching, and serigraphy. Content varies according to instructor. Two-dimensional design is recommended. Invites to all students. See page 42 regarding audit enrollment.

ART 2401C**Printmaking II, 3 credit hours, 15 lec., 60 lab. (Offered as needed)**

This class is a continuation of printmaking techniques including blockprinting, calligraphy, monotype, etching and serigraphy. Emphasis is on composition, exploration of printing methods and individual expression. Content varies according to instructor. Intro to Printmaking required. Prerequisite: ART 2400C. See page 42 regarding audit enrollment.

ART 2500C**Painting I, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)**

Course will include design elements, composition and spatial relationships. Emphasis is on color theory, color mixing, and execution thereof within a variety of subject matter. See page 42 regarding audit enrollment.

ART 2501C**Painting II, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)**

This course is a continuation of Painting I ART2510C with emphasis on further exploration of student's personal style and original techniques. Further experimentation in abstraction and emotional aspects of form and color are explored and expressed. Prerequisites: ART 1300C, ART 1201C, and ART 2500C. See page 42 regarding audit enrollment.

ART 2540C**Water Color I, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)**

An introduction to transparent watercolor techniques applied to various subject matter through demonstrations and various lab experiences. Open to all students. See page 42 regarding audit enrollment.

ART 2541C**Water Color II, 3 credit hours, 15 lec., 60 lab. (Fall, Spring, Summer)**

Allows continued experience in more complex water color technique and subject matter. Emphasis is on composition and individual expression. Prerequisite: ART 2540C. See page 41 regarding audit enrollment.

ART 2601C* Δ**Computer Art II, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

An advanced graphic design course building upon the skills covered in Computer Art I; the course includes increased challenges relating to conceptual skills and multi-software integration relating to typical print-based design problems. Access to a 35 mm camera is required. Prerequisite: ART 1600C.

ART 2602C* Δ**Digital Imaging I, 4 credit hours, 30 lec., 60 lab. (Offered as needed)**

A digital illustration production course with a strong emphasis on concept development and image making skills. Students will create complex imagery based on manipulations of photographs or traditional drawings and paintings with an industry-standard image editing/manipulation software. Access to a 35 mm camera is required.

ART 2603C* Δ**Digital Imaging II, 4 credit hours, 30 lec., 60 lab. (Offered as needed)**

A continuing course which expands upon the technical and conceptual foundation laid in Digital Imaging I. Students will explore advanced software techniques and greater challenges of personal or commercial expression in digital media. Prerequisite: ART 2602C.

ART 2834C**Gallery Practices, 3 credit hours, 30 lec., 30 lab., (Offered as needed)**

The principles of Art Gallery practices and operations. Both theoretical and practical experiences will be obtained through lectures, field trips and class projects.

ART 2930**Art – Special Topics, 3 credit hours, 45 lec. (Fall, Spring Summer)**

A defined special topics course which is pursued under supervision of a faculty member and recorded through usual departmental procedures. Designed to permit a student to pursue non-scheduled academic and laboratory work which may be of a specialized nature and not available through the college schedule.

ART 2955**Portfolio Development, 3 credit hours, 15 lec., 60 lab. (Offered as needed)**

Development of a working portfolio through studio project aimed at fulfilling the general requirements the average company, university, art school or advertising agency looks for in a portfolio presentation. Prerequisite: ART 1201C, ART 1300C.

* 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

AST 1002

Astronomy, 4 credit hours, 60 lec. (Fall, Spring, Summer)

A one-term course of lectures and demonstrations designed to meet the general education requirements in physical science of non-science majors, for students who need a preparatory course prior to taking physics, and for students in related scientific fields that need a scientific elective. The course includes topics in elementary physics, naked-eye astronomy, the moon, sun, solar system, stars, and galaxies. A working knowledge of arithmetic and simple algebra is required.

BCN 1230

Building Construction Materials and Processes, 3 credit hours, 45 lec. (Offered as needed)

Course designed to introduce the student to terminology, methods, procedures, materials, and processes used in the construction industry.

BCN 1272*

Blueprint Reading for Commercial Construction, 3 credit hours, 45 lec. (Offered as needed)

A course to familiarize non-drafting students with techniques of blueprint reading and the fundamentals of construction methods that make blueprint reading meaningful.

BCN 1520*

Electrical Systems in Construction, 3 credit hours, 45 lec. (Offered as needed)

A course to familiarize students with electrical terminology, practices, methods, code requirements and safety and health in construction.

BCN 1567*

Plumbing and Gas Construction Practices, 3 credit hours, 45 lec. (Offered as needed)

A course to familiarize students with Plumbing and Gas code requirements, terminology, methods, practices, processes and safety and health used in building construction.

BCN 1730*

Construction Safety and Health, 3 credit hours, 45 lec. (Offered as needed)

A basic course in construction safety and health covering such topics as: theories of accident causation; workplace hazards; hazard analysis and prevention; accident reporting; OSHA construction standard and safety practices; environmental safety; violence in the workplace; ergonomics; ethics and safety; workers' compensation; and stress on the job.

BCN 2231

Building Construction Materials and Processes II, 3 credit hours, 45 lec. (Offered as needed)

Course designed to introduce the student to terminology, methods, procedures, materials, and processes used in the construction industry. The focus of the course will cover Divisions 9 through 16 of the construction industry.

BCN 2560*

Mechanical Systems in Construction, 3 credit hours, 45 lec. (Offered as needed)

A course to familiarize students with mechanical trades terminology, methods, practices, code requirements processes, and safety and health criteria in mechanical construction.

BCN 2721*

Construction Management/Planning, 3 credit hours, 45 lec. (Offered as needed)

The course covers project development and organization from pre-construction site investigation to final completion. The course will include the management of project estimates, plans, schedules, operations and safety. The student will become knowledgeable about documents used in the construction industry for bid, contracts, zoning, permits, bonds, loans specifications and drawings. Cost engineering, procurement, value engineering and quality assurance will be covered. Cost management through job cost analysis and purchase order systems will also be covered. Prerequisite: BCT 2600.

BCT 1706*

Construction Documentation, 3 credit hours, 45 lec. (Offered as needed)

A course to familiarize a student with documents used in the Construction Industry to advertise for bids, contracts, change orders, extras, specification, insurance and bid bonds.

BCT 2600*

Construction Estimating, 3 credit hours, 45 lec. (Offered as needed)

A course in estimating as it relates to the construction industry covering references, estimating methods, take-off organization and presentation; material take-off, cost estimating in heavy construction, mathematical formulas for estimating, quantity take-off from plan review, and computer estimating overview. Prerequisites: BCN 1230 and BCN 1272.

BCT 2611*

Structural Systems in Construction, 3 credit hours, 45 lec. (Offered as needed)

A course to familiarize students with structural terminology, practices, methods, code requirements and safety and health criteria in construction.

BOT 1010C

Botany, 4 credit hours, 45 lec., 45 lab. (Spring)

A course designed to give the student an introduction to knowledge about botany with emphasis on the flowering plants, and to show our dependence on plants to sustain not only human life but all other living organisms.

BSC 1005 Δ

General Biology, 4 credit hours, 60 lec. (Fall, Spring, Summer)

The principles of biology are included. Human Biology is emphasized. Man's effect on the environment is considered wherever appropriate. (NO LABORATORY — Not for majors in Biology).

* 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

BSC 1005L

Biology Lab, 1 credit hour, 30 lab. (Offered as needed)

Laboratory for general biology. Experimental methodology and technique. Not recommended for biology majors. Pre- or corequisite: BSC 1005 or equivalent.

BSC 1010C Δ

Principles of Biology I, 4 credit hours, 45 lec. 45 lab. (Offered as needed)

A study of the structure and function of the major biological molecules and the organization of these molecules at the subcellular level; of cellular growth including bioenergetics, metabolism and its control, and the movement and incorporation of macromolecules as related to cell expansion and repair; and the study of the control of cellular growth including both genetic and biochemical control mechanisms. Required for Biology, Pre-Med, and most Pre-Professional Science majors. Prerequisites: high school biology and chemistry or CHM 1020 and eligibility to enroll in MAC 1105.

BSC 1011C

Principles of Biology II, 4 credit hours, 45 lec., 45 lab., (Offered as needed)

A continuation of BSC 1010C. A survey of organisms with emphasis on plants and animals. A survey of vertebrate systems with emphasis on applied physiology. Evolution, inheritance and ecology in major phyla or divisions will be included. Emphasis on man's role in shaping the biosphere. Required for Biology, Pre-Med, and most Pre-Professional Science majors. Prerequisite: BSC 1010C.

BSC 1080

Essentials of Anatomy and Physiology, 3 credit hours, 45 lec. (Offered as needed)

This course surveys basic structure and function of the human body with emphasis on terminology and anatomy. This course may be used as a General Educational elective for A.A.S. students only.

BSC 1085C Δ

Anatomy & Physiology I, 4 credit hours, 45 lec., 30 lab. (Fall, Spring, Summer)

A study of the human organism to include cells, tissues, skeleton, muscular system and nervous system.

BSC 1086C

Anatomy & Physiology II, 4 credit hours, 45 lec., 30 lab. (Fall, Spring, Summer)

A study of the human organism to include the cardiovascular system, the fluid electrolyte balance, and the respiratory, excretory, endocrine, reproductive, gastrointestinal and immune systems.

BSC 1250C

Introductory Tropical Biology, 4 credit hours, 45 lec., 30 lab. (Offered as needed)

An introduction to the Estuarine and Marine biota of tropical regions to include saltmarsh, mangrove, sandy, and coral shorelines. Emphasis will be placed on energy transfer and zonation. Prerequisite: one college level science course.

BSC 1905

Independent Study – Biology, 1 credit hour, 15 lec. (Fall, Spring, Summer)

A course designed to (1) allow a student to complete part of a course taken elsewhere and thereby complete general education requirements, (2) to go deeper into special areas of interest. This course may be taken up to four (4) times for credit.

BSC 2946

Directed Work Study – Biology, 1 credit hour, 45 lab. (Offered as needed)

Practical experience with use and maintenance of lab equipment and materials. Participation in support activities and organizational routines of lab courses. Course fees may be waived. May be taken four (4) times for credit. Departmental approval following interview is required.

BUL 2241

Business Law I, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Introductory course in business law with objective of presenting the law underlying business transactions. Course includes the study of the Law of Contracts, the Law of Bailments, and the law of sales based on the Uniform Commercial Code. Recommended for business degree students.

BUL 2242

Business Law II, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Course context explores laws relative to Negotiable Instruments, Agency, Partnerships, (includes study of Uniform Partnership Act), Corporation Law, Creditors Rights, Consumer Protection and Insurance. Based on Uniform Commercial Code.

CCJ 1000*

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

A study of the nature and causes of crime and delinquency; the development of delinquent and criminal behavior; specific behavioral problems of addicts, compulsive and habitual offenders and juvenile offenders. This course may be used in transfer to UWF and may be accepted at other upper division schools. Students should consult the department for program planning.

CCJ 1020

Introduction to Criminal Justice, 3 credit hours, 45 lec. (Fall, Spring, Summer)

An introduction to the philosophical and historical background of law enforcement and the administration of criminal justice. Organization and jurisdiction of local, state, and federal law enforcement agencies. Court and Criminal procedures. Career opportunities in Criminal Justice field.

* 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

CCJ 1192*

Crisis Intervention, 3 credit hours, 45 lec. (Offered as needed)

A study of the nature and causes of human stress in crisis situations involving criminal justice practitioners to include law enforcement, judicial and correctional personnel: definitions, recognition and assessment, general calming techniques, intervention: safety, abnormal behavior and suicide, role playing, causes of psychological and physiological stress agents inherent in the duties of criminal justice practitioners and countermeasures to anxiety and stress reduction.

CCJ 1500*

Juvenile Delinquency, 3 credit hours, 45 lec. (Offered as needed)

A study of the nature and cause of juvenile delinquency, the development of the delinquent and criminal behavior, specific criminal justice subsystem (law enforcement, judicial, corrections) problems dealing with juvenile delinquents from initial contact through final disposition and treatment. This course may be used in transfer to UWF and may be accepted at other upper division schools. Students should consult the department for program planning.

CCJ 1611*

Child Abuse and Neglect, 3 credit hours, 45 lec. (Offered as needed)

This course was designed to provide the student with an enhanced awareness of child abuse symptoms and patterns, including information and case studies on specific abuse and social problems.

CCJ 1646*

Organized Crime, 3 credit hours, 45 lec. (Offered as needed)

A course designed to provide the student with an overview of organized crime structures. To understand organized crime with regard to its history, origins and socio-economic impact on our society. This course provides insight into the various international and national organized crime families.

CCJ 1650*

Introduction to Narcotics Investigation, 3 credit hours, 45 lec. (Offered as needed)

This introductory course in narcotics investigation and identification is designed to provide the student with an overview of narcotics and the role of the investigative agencies, drug traffic flow patterns, major classes of drugs and the drug profit traffic. Instruction will cover techniques of investigative observation, patrol and case development, physical identification of drugs, symptoms of abuse, methods of abuse and appropriate Florida Statutes. This is also a Criminal Justice Standards and Training Commission advanced course.

CCJ 1671*

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

This course is designed to provide students with a wide perspective of female roles in the criminal justice system.

CCJ 1935*

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

Exploration, development and discussion of contemporary problems in the Criminal Justice System.

CCJ 1941*

Internship – Criminal Justice, 3 credit hours, 225 hours (Offered as needed)

On-the-job training in the programs in which the student is enrolled. The student is under the supervision at work of a qualified supervisor appointed by the respective agency. The supervisor will rate the student's performance, knowledge, comprehension, dependability, initiative, cooperativeness and total performance. A project paper or approved project will be submitted by the student 2 weeks prior to the close of the semester. This course may be repeated twice for a total of 6 semester hours.

CCJ 2680*

Domestic Intervention, 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. This course is designed to provide the officer with an enhanced awareness of domestic intervention symptoms and techniques, including information and case studies on specific domestic and social problems. Prerequisites: Basic Recruit Training Course.

CCJ 2681*

Introduction to Domestic Intervention, 1 credit hour, 15 lec. (Offered as needed)

This is an introductory course dealing with domestic issues, including violence. It is designed to provide the student with an enhanced awareness of domestic intervention symptoms and techniques, including information and case studies in specific domestic and social problems.

CCJ 2682*

Introduction to Workplace Violence Awareness, 1 credit hour, 15 lec. (Offered as needed)

A general overview of the growing problem of violence in the workplace, what managers/supervisors need to be aware of when dealing with potential violent employees as well as what steps they can take to protect not only themselves but other employees.

CCJ 2905*

Independent Study – Criminal Justice, 1 credit hour, 45 lab. (Fall, Spring)

Directed study and individual projects to meet the student's interests in a specialized area of Criminal Justice for which present course availability is limited.

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

CDA 2500* Δ**Network Technology, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

Network Technology is designed to introduce students to the terminology and concepts of the network industry to include data communications and network services, OSI Model, topology, network media, connectivity devices, security, and general networking methods, including the model for network protocols. This is also the first of six courses in the MCSE certification program and is designed to prepare a student to take the MCSE certification exams.

CDA 2523* Δ**Windows Professional, 3 credit hours, 30 lec. 30 lab. (Fall, Spring, Summer)**

Local Area Network Administration and Management. This course is designed to provide instruction in all aspects of Network Administration. Included are physical setup, user accounts, supervision accounts, system workload and efficiency, file and directory management, user rights, server console skills, print server and Network backup. Prerequisite: CDA 2500 or equivalent. This course prepares the student for the MCP exam, a core requirement for Windows MCSE.

CDA 2524* Δ**Novell Administration I, 3 credit hours, 30 lec. 30 lab. (Offered as needed)**

This course will provide students with the opportunity to develop the knowledge and skills necessary for the design and implementation of a Netware System to include: network service and support various network technologies; Netware printing, as well as Netware administration, installation and configuration. Prerequisites: CDA 2500 with grade of "C" or higher, or equivalent.

CDA 2525* Δ**NT Administration II, 3 credit hours, 30 lec. 30 lab. (Offered as needed)**

To provide advanced concepts of Network Administration to the students in network services, network media, connectivity equipment, and general network methods, including network protocols. Prerequisite: CDA 2523. This course prepares the student for the MCP exam, a core requirement for Windows MCSE.

CDA 2529* Δ**Novell Administration II, 3 credit hours, 30 lec. 30 lab. (Offered as needed)**

To provide advanced concepts of Network Administration, using Novell Network Operating System software. Prerequisite: CDA 2524 with a grade of "C" or better.

CET 1600C* Δ**Networking Fundamentals, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

This course introduces the student to the basics of internetworking technology. This is also the first of four courses designed to prepare a student to take the Cisco Certified Network Associate Exam. The student will study Networks and Layers, Networking Devices, IP Addressing, ARP, and RARP, Media and Design, Topology, Structured Cabling, Electricity, and Electronics and Network Management.

CET 1610C* Δ**Router Theory, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

Basic Router terminology and configurations are studied in this course. The student will study Router Components, Router Configuration, IOS, TCP/IP, IP Addressing, and Router Protocols. This is one of the four courses designed to prepare a student to take the Cisco Certified Network Associate Exam (CCNA). Prerequisite: CET 1600C.

CET 1630C* Δ**Network Cabling – Copper Media, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

This course is designed for computer repair and network technicians. It will provide the students with the knowledge and skills necessary to become entry-level technicians in the data cabling industry. The emphasis of the course is on tool use, construction techniques, industry standards, troubleshooting and repair of CAT 5 copper media. This course prepares students for introductory, vendor-neutral data cabling certification BICSI/ETAI exams.

CET 1632C* Δ**Network Cabling – Fiber Optic Media*, 3 credit hours, 30 lec., 30 lab. (Offered as needed)**

This course is designed for computer repair and network technicians. It will provide the students with the knowledge and skills necessary to become entry-level technicians in the data cabling industry. The emphasis of the course is on tool use, construction techniques, industry standards, troubleshooting, and repair of fiber optic media. This course prepares students for introductory, vendor-neutral data cabling certification BICSI/ETAI exams.

CET 2114C***Digital Fundamentals I, 4 credit hours, 30 lec., 60 lab. (Offered as needed)**

This course introduces the basics of logic and its application to electronic circuits. The student will develop the skill of changing a problem into a logic expression and then simplifying the expression. Both Boolean algebra and Karnaugh mapping are used for simplification. Subjects studied include: gates, flip-flops, counters, registers, arithmetic circuits, Multiplexers, demultiplexers, and representative digital systems.

CET 2123C***Microprocessor Fundamentals, 4 credit hours, 30 lec., 60 lab. (Offered as needed)**

This course introduces the architecture, instruction set, and machine level programming of an 32-bit microprocessor. Subjects covered include: programming, signal analysis, input/output, and fault analysis. The student will use an oscilloscope to verify the presence of correct data on the bus structure. A logic analyzer will also be used for signal verification, timing, and for fault isolation. Students will also develop a program which will permit the microprocessor to control some processes outside of the computer, through use of the I/O controller. Prerequisite: CET 2114C 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

CET 2152C* Δ

Computer/Analysis & Troubleshooting, 4 credit hours, 30 lec., 60 lab. (Offered as needed)

This course will expand on the knowledge acquired in the Microprocessor Fundamentals course (CET 2123C). Topics covered will include: troubleshooting techniques, memory (RAM, DRAM, EPROM) organization and troubleshooting, input/output interfacing and troubleshooting. A more advanced level of digital system troubleshooting will be introduced including the use of logic analyzers, signature analyzers, and oscilloscope multiplexing. Prerequisite: CET 2123C or equivalent.

CET 2154C* Δ

Microcomputer Troubleshooting and Networking, 4 credit hours, 30 lec., 60 lab. (Offered as needed)

This course introduces advanced PC system troubleshooting and also requires the student to upgrade the PC system to a multimedia system by installation of the CD-ROM and soundcard. Configuration and utilization of the multimedia components will also be studied. This course will also include installation and maintenance of local area networks. Prerequisite: CET 2173C, or equivalent.

CET 2171C* Δ

PC Hardware A+, 3 credit hours, 30 lec., 30 lab. (Offered as needed)

This course is designed to prepare the student to take the A+ Certification exam, by teaching the student basic technical skills needed to understand the function and operation of the major elements of personal computer systems, and how to localize and correct common hardware and software problems. Prerequisite: CET 2173C or equivalent.

CET 2173C* Δ

Microcomputer Servicing, 4 credit hours, 30 lec., 60 lab. (Offered as needed)

This course introduces the PC system, how it works and how the operating system controls it. Also studied are the components which make up the PC system, how to use multimeters and logic probes to make measurements and troubleshoot the system with the aid of diagnostic software. Students will perform fault analysis of simulated PC defects. In addition, students will learn to disassemble and reassemble/modify the PC hardware components.

CET2178C* Δ

PC Operating Systems A+, 3 credit hours, 30 lec., 30 lab. (Offered as needed)

This course is designed to prepare the student to take the A+ Certification exam by making the student proficient in personal computer operating systems, including DOS, Win 95/98, and Win NT. Major topics include disk, file and memory management, system configurations, menu driven processing, graphical user interfaces, boot files, disk caching, virtual memory, device drivers, TSRs, and basics system errors. Prerequisite: CET 2171C or equivalent.

CET 2497* Δ

Windows Network Infrastructure, 3 credit hours, 30 lec. 30 lab. (Offered as needed)

A course designed as an intermediate level course in the Transmission Control Protocol/Internet Protocol stack which will give the students an understanding and working knowledge of each protocol within the stack. Students completing the course will be able to configure and operate networks using this "de facto" standard network protocol suite. Prerequisite: CDA 2500. This course prepares the student for the MCP Exam, a core requirement for Windows MCSE.

CET 2615C* Δ

Advanced Router Theory, 3 credit hours, 30 lec., 30 lab. (Offered as needed)

This course introduces the student to fundamentals of LAN configurations. This is also the third of four courses designed to prepare a student to take the Cisco Certified Network Associate Exam. The student will study LAN Switching, VLANs, LAN Design, IGRP, Access List, and IPX. Prerequisite: CET 1600C and CET 1610C.

CET 2620C* Δ

Project Based Routing Design and Administration, 3 credit hours, 30 lec., 30 lab. (Offered as needed)

This course introduces the student to advanced router configurations. This is also the fourth of four courses designed to prepare a student to take the Cisco Certified Network Associate Exam. The student will study LAN Switching, VLANs, LAN Design, IGRP, Access List, and IPX. Prerequisites: CET 1600C, CET 1610C, CET 2615C.

CET 2625* Δ

Cisco Network Design, 3 credit hours, 30 lec., 30 lab. (Offered as needed)

Build network design skills required for certification as a Cisco Certified Design Associate (CCDA). Learn to characterize existing networks and determine new customer requirements, develop appropriate network topologies for various environments, design naming schemes and IP/IPX addressing schemes, select the best routing and bridging protocols to optimize performance, and create design documentation. Prerequisites: CET 1600C, CET 1610, CET 2615, CET 2620.

CGS 1100 Δ

Microcomputer Applications, 3 credit hours, 45 lec. (Fall, Spring, Summer)

The discussion and practical applications of Windows operating systems, word processing, spreadsheets, database management, presentation software, and various communications topics.

CGS 1550* Δ

Introduction to World Wide Web, 3 credit hours, 45 lec. (Offered as needed)

An introduction to the required hardware, software, procedures, uses and building of pages on the World Wide Web and the Internet.

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

CGS 1570 Δ **Computer Applications for Business, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

A hands-on course using computer software (Word processor, spreadsheet and database) to facilitate the activities involved in the business environment. Prerequisite: CGS 1100 or competency exam.

CGS 1760* Δ **Fundamentals of UNIX, 3 credit hours, 45 lec. (Offered as needed)**

This course is designed to introduce the UNIX operating system to new users. The student will learn fundamental features of the operating system, including file system navigation, file permissions, editors, command shells, and basic network use. Provides a foundation for more advanced courses in UNIX administration and certification.

CGS 1172* Δ **Web-based Programming I, 3 credit hours, 45 lec. (Offered as needed)**

This course is designed to extend the student's understanding of web-based programming techniques, and give them practical experience in the use of a range of technologies for creating e-commerce applications. Prerequisite: CGS 2820.

CGS 1843 Δ **Intro to Electronic Commerce, 3 credit hours, 45 lec. (Offered as needed)**

This course is designed to provide students with an overview of the dynamics of electronic commerce and how it links information technology to business objectives. Course may not transfer to all State University System institutions. Prerequisite: CTS 2101.

CGS 2173* Δ **Web-based Programming II, 3 credit hours, 45 lec. (Offered as needed)**

This course is designed to extend the student's understanding of web-based programming techniques, and give them practical experience in the use of a range of technologies for creating e-commerce applications including instruction in the key design principles and implementation techniques for software agents in e-commerce applications. Prerequisite: CGS 1172.

CGS 2541* Δ **Database Concepts, 3 credit hours, 45 lec. (Offered as needed)**

This course will provide an introduction to data modeling and the design and implementation of relational databases and extend the students' understanding of the principles and techniques used in the design and implementation of modern database systems. Prerequisite: CGS 1100.

CGS 2576* Δ **Introduction to Microsoft Word, 1 credit hour, 15 lec. (Offered as needed)**

An introduction to Microsoft Word software by emphasizing the functions of the program.

CGS 2763* Δ **UNIX Administration, 3 credit hours, 45 lec. (Offered as needed)**

This course is designed for network administrators in a UNIX operating environment. UNIX operating system concepts, architecture and administration will be explored using Linux. Includes shell programming, database managements, rapid application development, and programming tools such as PERL and C++. Prerequisite: CDA 2500 and CGS 1760.

CGS 2820* Δ **Web Authoring with HTML, 3 credit hours, 45 lec. (Offered as needed)**

This course introduces programming in techniques associated with web-based languages. The student will learn to create innovative and useful windows programs. Topics to be discussed include variables, string handling, loops and arrays, formatting techniques, labels, buttons, menus, loading and saving, error handling, graphics, and linking applications.

CGS 2840* Δ **Internet E-Commerce Technologies, 3 credit hours, 45 lec. (Offered as needed)**

This course will extend student's understanding of web-based technologies and enable them to design and implement e-commerce applications, including an understanding of the design of modern distributed database systems, the supporting network technology and the construction of web-based applications.

CGS 2844* Δ **E-Commerce Security, 3 credit hours, 45 lec. (Offered as needed)**

This course is designed to provide the student with an understanding of e-commerce security, and give them practical experience in the use of a range of technologies for insuring security in an e-commerce application. Prerequisite: CGS 1843.

CGS 2930 Δ **E-Commerce Seminar, 3 credit hours, 45 lec. (Offered as needed)**

Students will apply their understanding of the strategies, tactics, and concepts of electronic commerce. The course stresses the real-world practice of e-commerce through the development of a comprehensive e-commerce business project. Course may not transfer to all State University System institutions. Prerequisites: CGS 1172, CGS 1843.

CHD 1223***Guidance for Young Children, 3 credit hours, 45 lec. (Spring and as needed)**

A study of principles, methods, guidance and discipline techniques used to promote positive social development in young children; influence of environment and developmental level of child on social behavior.

* 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

CHD 1230*
Child Growth and Development II, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Study of the physical, emotional, social, and intellectual growth and development of the school age child (6 through 12 years) up to preadolescence. Includes dynamics of behavior, child guidance and needs of exceptional children.

CHD 1312*
Infant and Toddler, 3 credit hours, 45 lec. (Fall and as needed)

This course provides the student with information pertinent to the care of infants and toddlers. Special attention is given to selection of developmentally appropriate curriculum. Course work satisfies the Child Development Associate competency standards for infant/toddler.

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, 45 lec. (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 1534*
Home Visitor Programs I, 2 credit hours, 30 lec. (Offered as needed)

This course provides the student with information and strategies to successfully implement a home visitor program for families with children ages prenatal to three years.

CHD 1535*
Home Visitor Programs II, 1 credit hour, 15 lec. (Offered as needed)

This course provides the student with information and strategies to successfully implement a home visitor program for families with children ages three to kindergarten entry.

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.

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

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, DEP 2100.

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. (Spring 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 2332A.

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 2334A.

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 matter and energy. Atomic theory, periodicity, properties, structure, kinetic molecular theory, bonding, solutions, scientific method, carbon compounds. This course serves as an introduction to chemistry for non-science majors, satisfying the General Education requirement for the A.A. degree; and as a preparatory course for students intending to enter college chemistry.

CHM 1020L

Chemical Science Lab, 1 credit hours, 30 lab. (Fall, Spring, Summer)

A laboratory experience to augment the principles covered in chemical science to include 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 I, 4 credit hours, 45 lec., 45 lab. (Fall, Spring, Summer)

Quantitative approach to modern theoretical and descriptive chemistry with appropriate development of laboratory technique. Includes symbols, formulas, equations, atomic structure, bonding, states of matter, stoichiometry, thermo-chemistry, solutions, colloids, molecular orbitals, periodicity and properties. A two semester sequence in general chemistry with laboratory exercises and demonstrations. University transfer credit. Prerequisite: MAC 1102 or MAC 1105 required. High School Chemistry or Physics, CHM 1020 or PHY 1020 advised.

CHM 1046C

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

Continuation of CHM1045C. Includes kinetics, chemical equilibrium, acids and bases, thermo-dynamics, non-metals and their compounds, electrochemistry, redox, the atmosphere, hydrocarbons, biochemistry, nuclear chemistry, coordination compounds, and qualitative analysis. Prerequisite: CHM 1045C.

CHM 2210C

Organic Chemistry I, 4 credit hours, 45 lec., 45 lab (Fall)

This course will present the correlation between structure and physical and chemical properties of organic compounds. The principle types of mechanisms involved in organic reactions will be discussed on aliphatic and aromatic hydrocarbons, alkyl halides, alcohols and ethers. Laboratory exercises illustrate these topics. Prerequisite: CHM 1046C.

CHM 2211C

Organic Chemistry II, 4 credit hours, 30 lec., 30 lab. (Spring)

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. (Fall, Spring, Summer)

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, 90 lab. (Fall, Spring, Summer)

On-the-job training in the Associate of Science and Associate of Applied Science degree programs in which the student is enrolled. The student is under the direction of a full-time faculty member and under the supervision of a qualified supervisor. The faculty member in concert with the student and the student's supervisor will design a plan of study. The faculty member will periodically meet with the student and the supervisor to evaluate and if necessary modify the plan as deemed appropriate. The supervisor will rate the student's performance, knowledge, comprehension, dependability, initiative, cooperativeness, and total performance. A project paper or approved project will be submitted by the student three weeks prior to the close of the term. May be taken four times for a total of 12 credit hours. Prerequisite: Permission of the instructor.

CJC 1350*

Discipline and Special Confinement Techniques, 3 credit hours, 45 lec. (Offered as needed)

The student is introduced to the essentials of discipline and special confinement techniques necessary for the corrections profession. The topics to be introduced include physical operation, physical force, recognizing abnormal behavior, verbal and nonverbal communications.

CJC 2000*

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

Theories of punishment and incarceration; the organization of correction programs and institutions, principles of probation and parole, role of parole and probation officers, legal implications; problems of rehabilitation. This course may be used in transfer to UWF and may be accepted at other upper division schools. Students should consult the department for program planning.

* 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

CJC 2162*

Introduction to Probation & Parole, 3 credit hours, 45 lec. (Offered as needed)

This course reviews the theories and practices of probation and parole within a community setting. The study of probation and parole as it is used as a behavior modification process is considered. This course may be used in transfer to UWF and may be accepted at other upper division schools. Students should consult the department for program planning.

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 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.

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.

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

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 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.

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, 2 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.

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

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 participants 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.

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, 5 credit hours, 60 lec., 20 lab. (Offered as needed)

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

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

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.

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.

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.

CJE 1300***Police Organization and Administration, 3 credit hours, 45 lec. (Offered as needed)**

Principles of organization and administration in law enforcement; fundamentals of police planning: budget analysis, recruitment, training, and assignments; disciplinary problems and methods of control; cooperation with other agencies; public relations; records and inspection. This course may be used in transfer to UWF and may be accepted at other upper division schools. Students should consult the department for program planning.

CJE 1440***Crime Prevention, 3 credit hours, 45 lec. (Offered as needed)**

A course in crime prevention as it exists today in America. Study includes residential, personal and commercial crime prevention and it includes crime prevention resources, crime analysis and current legal implications. Designed primarily for in-service law enforcement officers but will not be limited to such personnel.

CJE 2660* Δ**Computer Applications in Criminal Justice, 3 credit hours, 45 lec. (Offered as needed)**

Computer Applications in Criminal Justice introduces the participant to the use of the computer in Criminal Justice applications. The participant will be introduced to prepackaged software and the process used to modify the package to criminal justice usage. This will include an electronic filing system designed to store, review and update data which can be manipulated into printed reports for daily and periodic usage.

CJL 1100**Criminal Law, 3 credit hours, 45 lec. (Offered as needed)**

Fundamentals of Criminal Law to include historical background and development, jurisdiction, the criminal act and responsibility. Classification and analysis of Florida Statutes.

* 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

CJL 1400

Criminal Procedure, 3 credit hours, 45 lec. (Fall, Spring, Summer)

Fundamentals of constitutional, criminal and civil law. Principles, duties and mechanics of criminal procedures in Florida as applied to arrest, search, seizure, and court processing. A functional analysis of the rules of evidence in court procedures.

CJL 2500

Courts and the Judicial Process, 3 credit hours, 45 lec. (Offered as needed)

This course is designed to teach the student the major structures and basic legal concepts of the American criminal court system. The students shall learn the components, personnel, and inherent social issues in our present criminal court system.

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 effects 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 1006 Δ

Introduction to Programming Concepts and Logic, 3 credit hours, 45 lec. (Fall, Spring, Summer)

General survey of programming/problem solving techniques. Algorithm development will employ the use of a modern programming language.

COP 2010 Δ

Visual Basic Programming, 3 credit hours, 45 lec. (Fall, Spring, Summer)

This course introduces programming in Visual Basic. The student will learn to create innovative and dynamic data structures. Prerequisite: CIS 1000 or COP 1006 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. (Fall, Spring, Summer)**

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 2220 Δ **Programming in C, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

An introduction to C programming language using microcomputers. Prerequisite: CIS 1000 or COP 1006 or equivalent.

COP 2224 Δ **Programming in C++, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

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

COP 2800 Δ **Introduction to JAVA Programming, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

An introduction to programming using the Java language. Students will develop and apply individual programs. Prerequisite: CIS 1000 or COP 1006 or equivalent.

COP 2805 Δ **Advanced JAVA Programming, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

An advanced level programming course using advanced Java techniques. Prerequisite: COP 2800 or equivalent.

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. Student creativity in prose, poetry, and drama. Students submit creative work to publisher market. Prerequisite: CRW 2000 or equivalent or demonstrated publication at equivalent or higher level.

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.

CRW 2600**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.

CTS 1550* Δ **Microsoft PowerPoint, 1 credit hour, 15 lec. (Offered as needed)**

An introduction to the use of Microsoft's PowerPoint 4.0 for the creation of graphic presentations.

CTS 2101* Δ **Introduction to Windows, 3 credit hours, 45 lec. (Fall, Spring, Summer)**

An introduction to operating systems in general with emphasis on Windows.

CTS 2300* Δ **Designing A Windows Network Environment, 3 credit hours, 45 lec., (Offered as needed)**

This course provides students with the information and skills needed to create a networking services infrastructure design that supports the required network applications. Each module provides a solution based on the needs of the organization. Some Microsoft Windows® network solutions require a single technology, such as DHCP, to provide Internet Protocol (IP) address configuration support. In other situations, several technology options exist, such as Open Shortest Path First (OSPF), Routing Information Protocol (RIP), and Internet Group Management Protocol (IGMP), to design an IP routing scheme. This course provides the skills and knowledge that to prepare for Microsoft Certified Professional Exam 70-221: *Designing a Microsoft Windows 2000 Network Infrastructure*, part of the MCSE certification. Prerequisites: CDA 2500, CDA 2523, CDA 2525, CET 2497, CTS 2302.

* 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

CTS 2302* Δ

Windows Directory Infrastructure, 3 credit hours, 45 lec. (Offered as needed)

Build system support skills in implementing and administering directory services in medium to very large Windows computing environments. Learn to use Active Directory to centrally manage users and network resources; monitor and optimize Active Directory performance; and deploy the operating system remotely with Remote Installation Services. This course prepares the student for MCP Exam, a core requirement for Windows MCSE. Prerequisites: CDA 2500, CDA 2523, CDA 2525.

CTS 2310* Δ

Designing Security for Windows Network, 3 credit hours, 45 lec. (Offered as needed)

Build the design skills necessary to plan the security infrastructure for a Windows network. Learn to analyze business requirements, identify security risks, plan an authentication strategy, control access to resources, develop a data encryption scheme, and provide secure connections. This course prepares the student for MCP Exam, a core requirement for Windows MCSE. Prerequisites: CDA 2500, CDA 2523, CDA 2525, CET 2497, CTS 2302.

CTS 2320* Δ

Managing Windows Network Environment, 3 credit hours, 45 lec. (Offered as needed)

This course provides the knowledge required by system administrators, network administrators, and IT professionals who implement, manage, and troubleshoot existing network and server environments based on the Microsoft® Windows® operating system. This course provides the skills and knowledge that to prepare for Microsoft Certified Professional Exam 70-218: *Managing a Microsoft Windows 2000 Network Environment*, part of the MCSE/MCSA certification. Prerequisites: CDA 2500, CDA 2523, CDA 2525.

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. It includes a brief history of the dance; instruction and practice in basic dance techniques, improvisation, and dance forms. This course may be taken 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.

DAA 1200

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

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 an 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 1500A

Beginning Jazz, 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. This course may be taken up to four (4) times for credit.

DAA 1501

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

A continuation of Beginning Jazz. This course may be taken up to four (4) times for credit.

DAA 1520

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

Instruction in beginning techniques of tap dance. This Course may be taken up to four (4) times for credit.

DAA 1580

Musical Theatre Dance I

The study of Musical Theatre dance techniques and styles as related to a specific performance experience. Students must participate in rehearsals and performances. Prerequisite: Level of competency determined by audition. This course may be taken up to four (4) 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.

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Δ Technology-Across-the Curriculum Course