

PAUL QUINN

2005-2007 Course Description

The B.S. degree with a major in Computer Science requires at least 37 semester credits of computer science courses. A minor in Computer Science requires at least 18 semester credits of computer courses.

COURSE DESCRIPTIONS IN COMPUTER SCIENCE

COMPUTER SCIENCE 113, Computer Application I

This course is an introduction to computer science. Topics include Computer components: The computer, computer hardware, basic storage media, and the central processor. Handling and processing information: Number systems, computer software, data recording, computer output, and processing data. Computer solution of several problems using BASIC-programming language. Computer Science majors can not take this course to complete the forty-five hours required in Computer Science; the course can be counted as an elective when taken over the required hours of the program. Three lectures and laboratory sessions per week. (3 semester hours)

COMPUTER SCIENCE 304, FUNDAMENTALS OF COMPUTER PROGRAMMING

An introduction to computer science and programming using the FORTRAN or Pascal programming languages. Introduce the freshman computer science student to the field of computing, computer architecture, campus computing facilities, and computer programming. Writing and debugging programs. Three lectures and laboratory sessions per week. Prerequisite: CS 113 (4 semester hours)

COMPUTER SCIENCE 313, ASSEMBLY LANGUAGE PROGRAMMING

A study of assembly language programming and its applications. The course includes addressing techniques, index registers, concepts of paging, machine organization to facilitate modes of addressing, program linkage, and other topics. Writing and debugging programs. Three lectures and laboratory sessions per week. Prerequisite: CS 304 (3 semester hours).

COMPUTER SCIENCE 324, DISCRETE COMPUTATIONAL STRUCTURES

This computer science course has a lecture and a laboratory component. The subjects included in this course are: Introduction to sets, relations, propositional and predicate logic, number systems, Boolean algebra, finite state machines, computability, graphs, and trees. Prerequisite: CS 304 and MTH 343 (4 semester hours).

COMPUTER SCIENCE 333, C/C++ PROGRAMMING

A study of the fundamentals of the C/C++ Programming language. The course includes structured programming and problem solving techniques. Writing and debugging programs. Three lectures and laboratory sessions per week. Prerequisite: CS 304 (3 semester hours).

COMPUTER SCIENCE 343, STRUCTURED PROGRAMMING

A study of the Pascal and ADA programming languages and its applications. Structured programming techniques will be emphasized. Writing and debugging programs. Three lectures and laboratory sessions per week. Prerequisite: CS 304 (3 semester hours).

COMPUTER SCIENCE 344, COMPUTER ORGANIZATION AND HARDWARE DESIGN

An introduction to the organization and design of hardware features of computers. Include computer architecture, logic design, codes, number representations, arithmetic, and an introduction to assembly language programming concepts. Three lectures and laboratory sessions per week. Prerequisite: CS 304 (4 semester hours).

COMPUTER SCIENCE 353, FORTRAN PROGRAMMING

A study of the FORTRAN programming languages and its applications. Topics include; FORTRAN programming language: Coding form, kinds of programs, specification statements, control statements, expression statements, and I/O statements. Three lectures and laboratory sessions per week. Prerequisite: CS 304 (3 semester hours).

COMPUTER SCIENCE 363, DATA STRUCTURES

A study of formal specifications and representation of lists, arrays, trees, graphs, multilinked structures, string, and recursive pattern structures. Analysis of associated algorithms. Sorting and searching; file structures. Three lectures and laboratory sessions per week. Prerequisites: CS 304 (3 semester hours).

COMPUTER SCIENCE 373, DATABASE SYSTEM DESIGN

Information structures and external storage, file processing, and information retrieval. Introduction to database system concepts, including multiple file organization, data independence, and languages for data description and manipulation. Prerequisites: CS 363 and MTH 223 or MTH 343 (3 semester hours).

COMPUTER SCIENCE 383, COMPUTER SIMULATION

A study of designing simulation experiments, generating random and pseudo-random numbers, studies some concepts of number theory, convergence and measurement problems, and uses of special purpose languages. Three lectures and laboratory sessions per week. Prerequisite: CS 304 (3 semester hours).

COMPUTER SCIENCE 393, PROGRAMMING LANGUAGES

This course is a formal definition of programming languages, including specification of syntax and semantics. Scope of declarations, storage allocation, group statements, binding time of constituents, subroutines, and tasks. Data description, run-time representation of program and data structure. An examination of the syntax, semantics, and usage of a selected programming language. Introduction to flowcharting: Developing a flowchart, flowcharting problems, and programming flowcharts. Programming techniques: Step 1; given, Step 2; analyzes, Step 3; flowchart, Step 4; program, and Step 5; run job. Three lectures and laboratory sessions per week. Prerequisite: CS 304 (3 semester hours).

COMPUTER SCIENCE 403, INTERNSHIP IN COMPUTER SCIENCE

A practical experience in areas related to Computer Science. Computer Science applications and programming are emphasized. Students are assigned to work at least eight weeks in commercial or governmental agencies, which are computer science oriented. Prerequisites: Senior standing. (3 semester hours).

COMPUTER SCIENCE 413, COMPUTER ARCHITECTURE

This course covers an introduction to the organization and design of hardware features of computers. Includes, computer architecture, logic design, codes, number representations, arithmetic, and an introduction to assembly language programming concepts. Three lectures and laboratory sessions are held per week. Prerequisite: CS 343A (3 semester hours).

COMPUTER SCIENCE 423, OPERATING SYSTEMS

This course covers an introduction to the principles of operating systems. Discussion of various operating systems, in terms of memory management, processor management, device management, and information management will be conducted. Three lectures and laboratory sessions are held per week. Prerequisite: CS 333 (3 semester hours).

COMPUTER SCIENCE 433, PARALLEL PROCESSING

This course covers the theory and practice of parallel processing, including characterization of parallel processors, models for memory, algorithms, and inter-process synchronization. Issues in parallelizing, serial computations, efficiency, and speedup analysis. The course will include programming exercises using one or more concurrent programming languages, on one or more parallel computers. Prerequisites: CS 413 and CS 423 (3 semester hours).

COMPUTER SCIENCE 443, COMPUTER NETWORKING

This course covers a study of storage and retrieval systems. Topics include information storage and retrieval system models, internal information structures and organization, storage allocation and representation, algorithms to create, alter, and destroy structured information, direct access storage devices, and data structure and file organization. Three lectures and laboratory sessions are held per week. Prerequisite: CS 423 (3 semester hours).

COMPUTER SCIENCE 453, NUMERICAL METHODS

This course covers a study of numerical analysis techniques. Taylor series, finite difference calculus, interpolation and extrapolation, roots of equations, solution of algebraic and transcendental equations, curve fitting and functional approximation,, and numerical differentiation and integration. Computer applications are emphasized. Three lectures and laboratory sessions are held per week. Prerequisites: CS 353, MTH 343, and MTH 363 (3 semester hours).

COMPUTER SCIENCE 463, SPECIAL TOPICS IN COMPUTER SCIENCE

This course is a study of advance, specialized topics selected on the basis of mutual interest of the student and the instructor. Three lectures and laboratory sessions are held per week. Prerequisite: Junior or Senior classification (3 semester hours).

COMPUTER SCIENCE 473, SYSTEM ANALYSIS

This course is an analysis of software and systems, including specification techniques, software design methodologies, performance measurement, validation and verification, and quality assurance techniques. Three lectures and laboratory sessions are held per week. Prerequisite: CS 423 (3 semester hours).

COMPUTER SCIENCE 483, NUMERICAL ANALYSIS (MTH 453)

A study of roots of polynomials, interpolation, functional approximation, numerical differentiation and integration, numerical solutions of ordinary differential equations, linear systems of equations, difference equations and error analysis. Study gives special consideration of computer applications for problems arising in science and engineering. Three lectures and laboratory sessions are held per week. Prerequisites: CS 453 and MTH 353 (3 semester hours).

COMPUTER SCIENCE 491, COMPUTER SCIENCE SEMINAR

This course is a student's investigation and report on topics of current interest in computer science. One lecture and laboratory session will be held per week. Prerequisite: Junior or Senior classifications (1 semester hour).

COMPUTER SCIENCE 492, COMPUTER SCIENCE PROJECT

Students will design, code, test, implement, and document a significantly large and complex system or application program. Two lectures and laboratory sessions will be held per week. Prerequisite: Junior or Senior classification (2 semester hours).

COMPUTER SCIENCE 493, ARTIFICIAL INTELLIGENCE

This course is a study of the basic concepts and techniques of artificial intelligence (AI). The capabilities of AI software and hardware, and the use of AI in future programming languages and computer systems will be addressed. Three lectures and laboratory sessions will be held per week. Prerequisite: CS 363 (3 semester hours).

AREA OF ENGINEERING TECHNOLOGY

The area of Engineering Technology strives to continuously meet industry needs by maintaining standards of excellence in program content. The program seeks to remain competitive among educational institutions providing similar electrical engineering technology programs, while successfully educating students to become qualified technical professionals in their chosen field. Specifically, the goals of the program are to:

- (1) To provide students with a substantial knowledge in technology.
- (2) To provide a solid foundation in science to foster further development of knowledge at the graduate level.
- (3) To improve the quality of the pool of technical employees in the Metroplex.
- (4) To provide an option for re-training of adults to become part of the workforce of 21st Century.
- (5) To generate options that transform technical workers into life-long learners.

COURSE DESCRIPTIONS IN ENGINEERING TECHNOLOGY

EGR 303, INTRODUCTION TO ENGINEERING

An introduction to engineering as a profession, engineering fields, functions and code of ethics for engineering, tools of engineering, and engineering design process. Students are involved in real world problems. Introduction to engineering drawing, sketches, computers in engineering, and class projects will be the focus of the course. Prerequisite: MTH 223 (3 semester hours).

EGR 313, STATICS

A study of equilibrium of force system, computation of reaction and internal forces, determination of centroids and moments of inertia, as well as an introduction to vector mechanics. Prerequisites: EGRT 303 and PHY 314 (3 semester hours).

EGR 323, ENGINEERING GRAPHICS

A study of manual and computer aided graphics, engineering design, philosophy, methodology, case studies, and safety in design as well as simple design projects. Prerequisite: MTH 223 (3 semester hours).

EGR 333, ENGINEERING MATERIALS

A study of the fundamental factors influencing the structure and properties of structure materials, including metals, polymers, ceramics, phase diagrams, heat treatment, metallography, mechanical behavior, and corrosion. Prerequisite: EGRT 343 (3 semester hours).

EGR 343, SOFTWARE ENGINEERING,

An introduction to operating systems, programming techniques, and development methodologies as related to the design of computer software systems will be the focus of the course. Technical considerations related to the planning and development of system software. Prerequisites: CS 233 and EGRT 353 (3 semester hours).

EGR 353, CIRCUITS I

The course will include basic circuit elements and models; Ohm's and Kirchhoff's laws as well as circuit reduction techniques using Thevenin and Norton theorems. Loop nodal analysis of resistive networks; semi-conductor diodes and applications in rectification, clipping, regulation, logic functions, the bipolar junction transistor and effects of loading and noise. Prerequisite: PHY 314 (3 semester hours).

EGR 363, DYNAMICS

Introduction to kinematics and dynamics of particles and rigid bodies, Newton's' laws, kinetic and potential energy, linear and angular momentum, work and impulse, and inertial energy. Prerequisite: EGR 223 (3 semester hours).

EGR 373, QUALITY ASSURANCE

This course presents the ideas and concepts of quality management principles, and applies to manufacturing and service organizations. Use and applications of statistical process control. Prerequisite: Junior classification (3 semester hours).

EGR 383, DIGITAL LOGIC CIRCUITS

An introduction to the design of logic circuits and systems using integrated circuit elements. Use of the proper mathematics elements as logic, Boolean algebra, binary number, octal numbers, and hexadecimal numbers in relation to binary code. Prerequisite: PHY 324 (3 semester hours).

EGR 403, INTERNSHIP IN ENGINEERING

A practical experience in areas related to engineering. Engineering applications and technology are emphasized. Students are assigned to work at least eight weeks in commercial or governmental agencies, which have engineering components. Prerequisites: Senior Standing. (3 semester hours).

EGR 413, ADVANCE MICROPROCESSORS

This course will emphasize the architecture, design of microprocessors and microprocessors instructions, programming as well as the applications, functions, and circuits. Prerequisite: EGRT 263 (3 semester hours).

EGR 423, CIRCUITS II

Applications of EGRT 323 to more complex and functional networks including advance logic elements. Application to synchronous counters and shift registers. Bipolar junction transistors and the field effect transistor applied to amplifying circuits. The characteristics of both low frequency amplifiers and amplifiers with feedback are presented using the small signal model. Prerequisite: EGR 323 (3 semester hours).

EGR 433, ENGINEERING ECONOMY

Evaluation of engineering alternatives by equivalent uniform annual cost, present worth, and rate of return analysis. Capital requirement source of capital, operation, and efficiency of modern production facilities, and use of computerized financial planning system. Mathematics of finances applied to engineering projects. Prerequisites: MTH 383 and senior classification (3 semester hours).

EGR 443, DIGITAL INSTRUMENTS

Interfacing of digital instruments system components and peripheral equipment. Bus structure, data transfer and communication. Transducer inputs and conditional methods of signal input and output. Prerequisites: EGR 353 and EGR 323 (3 semester hours).

EGR 453, ELECTRIC AND ELECTRONIC PROPERTIES OF MATERIALS

Engineering applications of electric and electronic properties of semiconductors, magnets, dielectrics, conductors, and super conducting materials. Applications to electronic as well as to power. An introduction to optical properties of materials. Prerequisites: EGR 323 (3 semester hours).

EGR 463, SPECIAL TOPICS IN ENGINEERING

This course is designed to give students exposure to advanced topics in areas of interest. May be repeated when topics vary. Prerequisite: Senior Standing (3 semester hours).

EGR 473, ENGINEERING PROJECT

An exercise in the planning and analysis of selected projects that relate to several disciplines. Application of computer-aided engineering in analysis and design. Final oral and written report to a faculty committee is required for approval. Prerequisite: Senior Standing (3 semester hours).

EGR 481, ENGINEERING SEMINAR

Intensive study of a particular subject or topic not available in regular course offering. This study should be under the supervision of a faculty member approved by the area and division heads. Prerequisites: At least 27 semester hours of engineering courses (1 semester hour).

AREA OF MATHEMATICS

This area offers the Bachelor of Science Degree in Mathematics and a teaching field in Mathematics for Teacher Certification. The Area of Mathematics has the following objectives:

- (1) To provide mathematical knowledge and skills as a part of general education.
- (2) To prepare students to teach Mathematics in the public schools.
- (3) To stress the use of Mathematics in other fields of study.
- (4) To prepare students to pursue graduate studies in Mathematics; and
- (5) To provide experience and training in the scientific method of reasoning.

Students pursuing a degree in Mathematics are required to complete a minimum of 42 semester hours in Mathematics. A non-teaching minor in Mathematics requires a minimum of 18 semester hours in Mathematics. Students seeking Teacher Certification in Mathematics must complete a minimum of 24 semester hours in Mathematics. All students majoring in Mathematics are required to complete Physics 314 and Physics 324, and six (6) semester hours in Computer Science (see descriptions).

**MATHEMATICS PROGRAM OF STUDY, BACHELOR OF SCIENCE
(126 SEMESTER HOURS REQUIRED)**

Students choosing mathematics as a major must meet the area requirements listed below, in addition to the College's General Education Core Curriculum and a minimal of 124 semester hours.

Freshman Year

ENG	113	English Composition I	3
MTH	213	College Algebra	3
PE	111A	Physical Activities	1
BIO	104	Biological Science – Lec	4
BIO	105	Biological Science – Lab	0
CS	113	Computer Applications	3
HEL	212	Fundamentals of Health	1
OR	101	Freshman Orientation	1
ENG	123	Composition II	3
MTH	223	Trigonometry	3
MTH	383	Basic Statistics	3
REL	203	Ethics & Logic	3
PE	111B	Physical Activities	1
CS	304	Fundamental of Computer Programming	4
ED	100	College Assembly	1
	TOTAL		34

Senior Year

MTH	423	Differential Equations	3
MTH	441	Mathematics Seminar	1
MTH		Math Elective	3
MTH		Math Elective	3
CS		Structured or Fortran Program	3
ED	100	College Assembly	.5
MTH	453	Numerical Analysis	3
MTH	433	Math Elective	3
MTH		Math Elective	3
CS	463	Special Topics in Computer Science	3
ED	100	College Assembly	.5
	TOTAL		26

COURSE DESCRIPTIONS IN MATHEMATICS**MATHEMATICS 083, MATHEMATICS I**

This course is a review of the fundamental operations using whole numbers, decimals, fractions, and percentages. Word problems associated with these subjects are also study in depth. It is designed to strengthen basic skills in mathematics (3 semester hours). This course does not satisfy the general education nor elective credit requirements

MATHEMATICS 093, MATHEMATICS II

This course is designed to develop an understanding of fundamental operations using percentages, statistics, measurements, geometric figures, integers, algebraic expressions, polynomials, and rational numbers. Word problems associated with these subjects are also study (3 semester hours). This course does not satisfy the general education nor elective credit requirement.

MATHEMATICS 303, COLLEGE ANALYTIC GEOMETRY

This course is a study of the two and three dimensional spaces, distances, straight lines, conic, transformation of coordinates, polar coordinates, and real numbers. The relation with geometry is also presented. Prerequisite: MTH 213 (3 semester hours).

MATHEMATICS 213, COLLEGE ALGEBRA

This is a study of algebraic equations and inequalities, the real number system, complex numbers, relations and functions, rational functions and conic sections, exponential and logarithmic functions, matrices and determinants, and the binomial theorem. Prerequisite: MTH 123 or equivalent, or permission of Division Chair (3 semester hours).

MATHEMATICS 223, COLLEGE TRIGONOMETRY

This is a study of circular measure, trigonometric functions, equations and identities, Laws of Sine and Cosine, simple solutions of triangles, De Moivre's theorem, vectors, the dot product, exponential and logarithmic functions, rotation of axes, polar coordinates, polar equation of conic, and plane curves and parametric equations. Prerequisite: MTH 313 (3 semester hours).

MATHEMATICS 343, CALCULUS I

This is an introduction to functions and relations, limits and continuity, graphs, derivatives, the integration of algebraic functions, product and quotient formulae, higher order derivatives, and maximum and minima. Prerequisite: MTH 333 or MTH 323 with Division Chair approval (3 semester hours).

MATHEMATICS 353, CALCULUS II

Continuation of MTH. 343 that includes differentiation and integration of trigonometric functions, exponential and logarithmic functions, Rolle's Mean Value Theorems, areas and volumes, and various techniques of integration and reduction. Prerequisite: MTH 343 (3 semester hours).

MATHEMATICS 363, LINEAR ALGEBRA

A study of abstract systems, vector spaces, linear transformation matrices, linear equations and determinants, canonical form for similarity, metric concepts, combinatorial equivalence, and functions of matrices. Prerequisite: MTH 333 or MTH 323 with Division Chair approval (3 semester hours).

MATHEMATICS 373, MODERN ALGEBRA

An introduction to set theory, congruencies, equivalence relations, theory of groups, Cayley's Theorem, theory of rings, Euclidean Domains, prime and maximal ideals, vector space, quotient spaces, fields, algebraic extensions, and constructions with a straightedge and compass. Prerequisite: MTH 333 or MTH 323 with Division Chair approval (3 semester hours).

MATHEMATICS 383, BASIC STATISTICS

A study of elementary statistics including the examination of frequency distributions and measures of central tendency, and the calculation of tests of significance and simple correlation. Prerequisite: MTH 113 or MTH 123 with Division Chair approval (3 semester hours).

MATHEMATICS 396, INTERNSHIP IN MATHEMATICS

Practical experience in areas related to mathematics. Computer Science and statistics are emphasized. Students are assigned to work at least nine weeks in a commercial or governmental agency, which deals with numerical data and analysis. Prerequisites: MTH 323 & MTH 383 (6 semester hours).

MATHEMATICS 413, CALCULUS III

The course will include advanced topics of improper integrals, solid analytical geometry differential, and integral calculus in two and three dimension as well as partial differentiation, gradient, divergence and curls; line, surface and volume integrals with applications. Prerequisite: MTH 353 (3 semester hours).

MATHEMATICS 423, DIFFERENTIAL EQUATIONS

The solutions of equations of the first order and other degree applications, Laplace, transform solutions in series, and partial differential equations. Prerequisite: MTH 353 (3 semester hours).

MATHEMATICS 433, COMPLEX VARIABLES

An introduction to analytic and harmonic functions, Cauchy Riemann equations, integral representation of analytical functions, the Cauchy Integral Theorem, the Theorem of Morera and Liouville, Laurent series, residues, and conformal mapping. Prerequisites: MTH 413 and consent of Division Chair (3 semester hours).

MATHEMATICS 441, MATHEMATICS SEMINAR

Reports and discussions of current topics in mathematics. May be repeated for credit with different topics for a maximum of three times. Prerequisite: consent of Division Chair (1 semester hour).

MATHEMATICS 443, ADVANCED STATISTICS

This course is a mathematical study of Probability and Random Variables oriented to the understanding of Stochastic Processes, Mark-off Processes, Queueing Theory, and other special topics related to Spectral Estimation and Entropy. Prerequisites: MTH 383 and MTH 343 with Division Chair approval (3 semester hours).

MATHEMATICS 453, NUMERICAL ANALYSIS (CS 333)

This course is designed to focus on numerical methods in computer programming with applications for scientist and engineers. The knowledge of one computer language is needed to succeed in the course. Prerequisites: CS 263 or MTH 353 with Division Chair approval (3 semester hours).

MATHEMATICS 463, SPECIAL PROBLEMS IN MATHEMATICS

This course is designed to give students exposure to advanced topics in areas of interest. May be repeated when topics vary. Prerequisite: Approval of Division Chair (3 semester hours).

MATHEMATICS 473, TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL

This course is designed to help elementary school children develop mathematical skills necessary for every day living and for further advancement. Problem solving strategies are also presented. (3 semester hours).

AREA OF PHYSICS

The following is a list of Physics and related courses offered by the Division of Arts and Sciences.

PHS	204	Introduction to Physical Science	4
PHY	314	General Physics I	4
PHY	324	General Physics II	4
PHY	354	College Physics I	4
PHY	364	College Physics II	4
TOTAL			20

These courses are offer by the Division of Arts and Sciences with the purpose of supporting the requirements of the general curriculum, and specific requirements of the different major options of the division.

COURSE DESCRIPTIONS IN PHYSICS AND PHYSICAL SCIENCE**PHYSICAL SCIENCES 204, PHYSICAL SCIENCES**

This course is a survey of the Physical Sciences for non-science majors. The topics included in the course are physics, chemistry, geology, and astronomy. The Physics unit will present from the concept of measurement to relativity and the nuclear age. The unit in chemistry will start with the chemical elements and end with the basic understanding of the ozone and the atmosphere, and pollution produced by automobile exhaust. The Geology unit will include topics from the basic concepts and techniques to

environmental geology. The final unit will cover basic concepts in Astronomy from the motion in the heavens to cosmology. This course includes a laboratory (4 semester hours).

PHYSICS 314, GENERAL PHYSICS I

An algebra-based treatment of the laws of mechanics, heat, and sound. Focused attention is given to the solution of mathematical problems illustrating natural laws. This course is designed for all Non-Technical Science majors not pursuing a minor in Physics (e.g., Pre-Medicine, Biology, etc.). Prerequisite: MTH 223. Laboratory Fee (4 semester hours).

PHYSICS 324, GENERAL PHYSICS II

The second part of the algebra-based course of PHY. 314. This course will include the following areas of coverage: electrostatics, magnetism and charges in motion, optics, and special relativity and introduction to modern concepts in physics. Prerequisite: PHY 314. Laboratory Fee (4 semester hours).

PHYSICS 354, COLLEGE PHYSICS I

This is the first part of a one-year presentation of the concepts of physics for pre-engineers and technical science majors. This course includes Classical Newtonian Mechanics, Thermodynamics, and Waves. The course includes three lecture hours and two laboratory hours weekly. Prerequisite: MTH 313. Laboratory Fee (4 semester hours).

PHYSICS 364, COLLEGE PHYSICS II

This is the second part of a one-year calculus based presentation of the concepts of physics for pre-engineers and technical science majors. This course includes topics in Electricity and Magnetism, Electromagnetic Waves, Optics, Special Relativity, and Introduction to Quantum Mechanics. The course includes three lecture hours and two laboratory hours weekly. Prerequisite: PHY 354. Laboratory Fee (4 semester hours).

AREA OF ENGLISH

The English Area offers both the Bachelor of Arts degree and a minor area of emphasis. The goals of the area are as follows:

- (1) To develop skills in written and oral communication;
- (2) To develop competencies required for individual career choices;
- (3) To enhance awareness and understanding of American and British literature as well as literary works from other regions of the world; and
- (4) To provide instruction in literary analysis, research techniques, and documentation.

Junior Year

ENG	313	American Literature I	3
ENG	423	African American Literature I	3
ENG	373	British Literature I	3
		Minor	3
		Minor	3
ED	100	College Assembly	.5
ENG	323	American Literature II	3
ENG	343	African American Literature II	3
ENG	383	British Literature II	3
		Minor	3
		Minor	3
ED	100	College Assembly	.5
		TOTAL	31

Senior Year

ENG	453	Literary Criticism	3
ENG	463	Special Topics	3
		Minor	3
		Minor	3
		Elective	3
ED	100	College Assembly	.5
ENG	433	Shakespeare	3
ENG	353	Structure of Modern English	3
ENG	493	Creative Writing	3
		Elective	3
ED	100	College Assembly	.5
		TOTAL	28

COURSE DESCRIPTIONS IN ENGLISH**ENGLISH 083, ENGLISH I**

This course focuses on speech, writing, and listening skills. Emphasis will be placed on the study and usage of standard English grammar (3 semester hours). This course does not satisfy the general education nor elective requirements.

ENGLISH 093, ENGLISH II

A writing course designed for gathering information and organization of materials, with emphasis on clear and logical thinking. The topics of the course will include instructional writing and recognizing themes of African American literature (3 semester hours). This course does not satisfy the general education or elective requirements.

ENGLISH 113, COMPOSITION I

In this course, students will have the opportunity to read, discuss, and analyze a variety of essays that will serve as patterns for their own writing. Methods of development will be studied as students experiment with improving their own skills (3 semester hours).

ENGLISH 123, COMPOSITION II

This course is a continuation of writing practice and application. Besides continued study of essays, with an emphasis on persuasive and argumentative writing, students will also be introduced to critical analysis of literature. Documented essays and the research paper will be the focus of this course. Students will continue to analyze and employ various strategies in their expositions. The English Proficiency Examination will be incorporated as a major part of the evaluation procedure. Therefore, students who pass the course will not be required to take the English Proficiency Examination as a separate activity. A grade of "C" is required to pass this course. Prerequisite: ENG 113 (3 semester hours).

ENGLISH 213, SPEECH AND DRAMA

The student will learn effective oral communication through speech making and group and panel discussion. Emphasis is on preparation, enunciation, language selectivity, and general delivery. Prerequisite: ENG 123 (3 semester hours).

ENGLISH 223, WORLD LITERATURE

A chronological survey of selected multicultural masterpieces of world literature from ancient to modern periods, with emphasis on literary and historical analysis. Prerequisite: ENG 123 (3 semester hours).

ENGLISH 313, AMERICAN LITERATURE I

The course emphasizes a chronological survey, from the colonial period through the Civil War, of literary trends and representative selections from the literature of the United States. Included are selections from major ethnic groups of the Southwest. Prerequisites: ENG 213 and 223 (3 semester hours).

ENGLISH 323, AMERICAN LITERATURE II

The course focuses on a chronological survey, from the Civil War to the present, of literary trends and representative selections from the literature of the United States. Included are selections from major ethnic groups of the Southwest. Prerequisites: English 213 and English 223 (3 semester hours).

ENGLISH 343, THE LITERATURE OF AFRICA IN THE NEW WORLD: THE AMERICAS AND THE CARIBBEAN

This course is a survey of the literature of Africans in the New World. The focus will be most notably on the literature developed in the Americas, and the Caribbean. Prerequisites: ENG 213 and 223 (3 semester hours).

ENGLISH 353, ADVANCED GRAMMAR

This course includes an analysis of the grammatical framework of English, a comparison of traditional and contemporary approaches to the study of grammar, and practical experiences in applying these principles. Prerequisites: ENG 213 and 223 (3 semester hours).

ENGLISH 373, ENGLISH LITERATURE I

This is a survey of major English writers from Beowulf to the Romantic Period. Prerequisites: ENG 213 and 223 (3 semester hours).

ENGLISH 383, ENGLISH LITERATURE II

This is a survey of major English writers from the Romantic Period to the present time. Prerequisites: ENG 213 and ENG 223 (3 semester hours).

ENGLISH 392, TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL

The four basic communication skills (reading, writing, speaking, and listening) are emphasized in this course. Emphasis is placed on the relationship of communication skills in the development of children. Prerequisite: ENG 223 (2 semester hours).

ENGLISH 493, CHILDREN'S LITERATURE

This course is a study of the type of literature suitable for pre-school and elementary school children, including criteria for judging and selecting children's books. Story telling and dramatization are also covered. Prerequisite: ENG 223 (3 semester hours).

ENGLISH 403, INTERNSHIP

This course provides a practical experience through an assignment that requires writing, editing, and/or research. Prerequisite: Completion of required courses and approval of the Division Chairperson (3 semester hours).

ENGLISH 423, BLACK AMERICAN LITERATURE

This is a selective survey of modern and contemporary Black literature. Prerequisite: ENG 223 (3 semester hours).

ENGLISH 433, SHAKESPEARE

This is a survey of the representative works of Shakespeare with emphasis on the characteristics of the era and the literary criticism of Shakespeare's dramas and poetry. Prerequisites: ENG 323 and ENG 373. (3 semester hours)

ENGLISH 453, INTRODUCTION TO LITERARY CRITICISM

This course is a survey of criticism, which focuses on applying literary approaches to short selections of literature. Prerequisites: ENG 213 and ENG 223 (3 semester hours).

ENGLISH 463, SPECIAL TOPICS

This is a course centering on literary and composition topics. The course may be repeated when topics vary. Prerequisite: ENG 223 (3 semester hours).

COURSE DESCRIPTIONS IN READING

READING 083, READING I

This course focuses on improving reading comprehension and vocabulary skills. Course topics include determining main ideas and developing critical thinking techniques. Basic study skills are also introduced. A learning laboratory is available to provide individualized assistance (3 semester hours). This course does not satisfy the general education nor elective requirements.

READING 093, READING II

This course continues the development of reading comprehension and vocabulary building. Emphasis is placed on determining main ideas, critical thinking and evaluating the writer's technique. Study skills are also included. A learning laboratory is available to provide individualized assistance (3 semester hours). This course does not satisfy the general education nor elective requirements.

READING 353, READING IN THE ELEMENTARY SCHOOL

Designed to study the problems, methods, and materials involved in teaching reading in the elementary school. An organized in-field experience of 8 to 12 clock hours is a requirement of this course. Prerequisite: Admission to the Teacher Education Program (3 semester hours).

READING 403, DIAGNOSTIC TEACHING OF READING/READING IN THE CONTENT AREAS

Selection, administration, and evaluation of assessment instruments and instructional techniques appropriate for diagnosing and correcting classroom reading difficulties. Prerequisite: Admission to the Teacher Education Program (3 semester hours).

AREA OF FOREIGN LANGUAGES

The area of Foreign Languages offers a minor in Spanish. The program of study seeks to enable the student to:

- (1) Develop an appreciation for the language of another country;
- (2) Read, understand, and express one's ideas clearly in Spanish; and
- (3) Develop knowledge of Spanish culture.

Students pursuing a minor in Spanish must complete eighteen 18-semester hours, excluding Spanish 113 and 123.

COURSE DESCRIPTIONS IN SPANISH

SPANISH 113, ELEMENTARY SPANISH I

An introductory course designed to teach the student pronunciation, vocabulary, elements of grammar and sentence structure, development of the progressive control of the four basic skills of listening, speaking, reading, and writing. This course is an introduction to various aspects of the Spanish Civilization and the Spanish-American culture (3 semester hours).

SPANISH 123, ELEMENTARY SPANISH II

This is a continuation of Spanish 113. The emphasis is on grammar, conversation, and composition, based on situations of everyday life. Intense communicative approach with minimum use of English is employed to stimulate the students to express ideas and emotions. Prerequisite: SPN113 (3 semester hours).

SPANISH 313, INTERMEDIATE SPANISH I

A review and use of language fundamentals with conversational units. Discussion and compositions on modern standard Spanish, on literary and journalistic texts, and review of grammar and application of topics in oral and written expression. Prerequisites of Spanish 113, 123, for better understanding aspects of Spanish culture. Introduction to Spanish prose, poetry, and brief essays with the use of English at a minimum. Laboratory practice with recorded materials in class. Prerequisite: SPN 123 or approval by the instructor (3 semester hours).

SPANISH 323, INTERMEDIATE SPANISH II

A continuation of Spanish 213. Expansion of vocabulary and introduction to syntactical analysis. Continuation of communicative skills and reading comprehension, for better oral expression in discussions about Spanish culture themes. Appreciation of Hispanic traditions by listening to poetry and drama for class discussion. Conducted mostly in Spanish. Prerequisite: SPN 313 (3 semester hours).

SPANISH 333, CONVERSATIONAL SPANISH AND COMPOSITION I

An advanced course for minors to stimulate practical command of the language and increased study of idioms and correct speech patterns; modulation and expression in daily conversation; reading and commentary of texts related to the humanities, and literary Spanish creation to produce compositions in fluid and brief narrative. Conducted mostly in Spanish. Prerequisite: SPN 323 (3 semester hours).

SPANISH 343, CONVERSATIONAL SPANISH AND COMPOSITION II

Continuation of Spanish 333. Advanced oral expression to acquire oral proficiency in Spanish. Intensive use of grammar for written composition on contemporary material. Introduction to linguistics and close analysis of Spanish conversation about cultural topics conducted mostly in Spanish. Prerequisite: SPN 333 (3 semester hours).

SPANISH 353, SPANISH CULTURE AND CIVILIZATION

This course is a survey of peninsular Spanish culture and civilization with an overview of the historical and cultural developments of Spain, from its origin to the XIX century. It is the study of the evolution of Spain as a modern European state and a center for intellectual and artistic creation, conducted mostly in Spanish. Prerequisite: SPN 333 (3 semester hours).

SPANISH 363, SPANISH-AMERICAN CULTURE AND CIVILIZATION

A survey of Spanish-American history and art, with emphasis on cultural, intellectual, and artistic trends with a review of the sociological aspects of the Spanish-American societies. Conducted in Spanish. Prerequisite: SPN 333 (3 semester hours).

SPANISH 403, SPANISH AMERICAN LITERATURE

A study of representative Spanish-American Literature. Literary figures and productions from the Conquest to the present. A review of the importance of Romanticism and Modernism. Other trends that reflect on the Spanish-American world and important works of Spanish-American writers and artists will be covered. Prerequisite: SPN 343 (3 semester hours).

SPANISH 413, SPANISH LITERATURE SINCE 1898

Selected reading of Spanish Literary works from 1898 to the present. Study of prose, poetry and drama of Spain, and its influence in world literature. Conducted in Spanish. Prerequisite: SPN 343 (3 semester hours).

COURSE DESCRIPTIONS IN FRENCH

FRENCH 113, ELEMENTARY FRENCH I

An introductory course designed to teach the student pronunciation, listening, reading, and writing in French. Reading, writing, and speaking skills are emphasized by intensive conversation stimulation. It also provides intensive practice and training in sentence structure, and writing brief narratives (3 semester hours).

FRENCH 123, ELEMENTARY FRENCH II

A continuation of French 113. French speech with emphasis on grammar, conversation, and construction, based on daily life situations. There will be a minimum use of English in order to induce the students to expressing themselves in French. Prerequisite: FR 113 (3 semester hours).

FRENCH 313, INTERMEDIATE FRENCH I

This course is designed to provide the student with basic skills for the reading of French in news, brief short stories, and literature. There will be an application of grammar in intensive practice and training in spoken French with a minimum use of English. Prerequisite: FR 113 or approval by the instructor (3 semester hours).

FRENCH 323, INTERMEDIATE FRENCH II

Continuation of French 213. Expansion of French vocabulary to be used in oral and written materials, idiomatic expressions, daily use of correct French dialogue, grammar review, and new topics of fundamental use. There will be a minimum use of English. Prerequisite: FR 213 (3 semester hours).

PORT 113 ELEMENTARY PORTUGUESE I

This the first semester of academic transfer Portuguese. This course is an introductory course intended for students with little or no knowledge of the language. Its aim is to present essential vocabulary and grammar, and to develop the pronunciation, listening, reading, and writing skills necessary for basic communication and comprehension. Customs and cultural insights are also presented. (3 semester hours).

PORT 123 ELEMENTARY PORTUGUESE II

This course continues the oral practice, reading, writing, grammar and cultural studies begun in PORT 113. Students are expected to acquire a substantial amount of vocabulary and begin to deal with idiomatic language and more advanced syntax. Prerequisite: PORT 113 (3 semester hours).

AREA OF HISTORY

The Area of History offers a major and minor in teaching and non-teaching fields and a non-teaching minor in Political Science. History majors must declare a minor field. The purpose of the Area of History is:

- (1) To give the student a broad view of humanity's past experiences and achievements;
- (2) To acquaint the student with the political, social, and economic problems of the modern world;
- (3) To give the student a more complete understanding of his/her heritage;
- (4) To prepare qualified students for more extensive study at the graduate level; and
- (5) To prepare History teachers for the public schools.

COURSE DESCRIPTIONS IN HISTORY AND GEOGRAPHY

HISTORY 133, SURVEY OF WORLD CIVILIZATIONS

This course will cover the application of social science concepts and terminology. This course presents a thematic overview of African, Asian, European, and American cultures from the earliest times to the present (3 semester hours).

HISTORY 203, HISTORY OF THE AFRICAN DIASPORA

This course will offer an introductory course exploring the historical and contemporary significance of African people on the continent and in the Diaspora. Emphasis is on African history and contributions to world civilizations; the impact of the slave trade, slavery, colonialism, and neo-colonialism; protest movements with emphasis on slave revolts, political movements, and ideologies such as back to Africa, Black Power, and the civil rights movement in the U.S.A.; struggles for liberation and nationalist movements in Africa, the Caribbean and Latin America; Pan-Africans movements and development policies of African nations and the policies of external agencies affecting them (3 semester hours).

HISTORY 213, UNITED STATES HISTORY I

This course will offer a general survey of the history of the United States until 1876 (3 semester hours).

HISTORY 223, UNITED STATES HISTORY II

This course will offer a general survey of the history of the United States after 1876. Prerequisite: HST 213 (3 semester hours).

HISTORY 333, EUROPEAN HISTORY I (1500- 1815)

This course will cover the complex forces, movements, and economic developments in Europe from the Reformation to the end of the Napoleonic Wars. Prerequisite: HST 133 (3 semester hours).

HISTORY 343, EUROPEAN HISTORY II (1815-Present)

A survey of the History of Europe from the beginning of the nineteenth century to the present time, with an emphasis on economic structures, the development of Fascism, Communism, and Nazism. This course will cover the participation of Europe in the Second World War, and the events after that. Prerequisite: HST 313 (3 semester hours).

HISTORY 353, TEXAS HISTORY

This course will cover the social, economic, and political development of Texas from the seventeenth century to the present. Prerequisite: HST 223 (3 semester hours).

HISTORY 363, HISTORY OF LATIN AMERICA

This course will cover a study of the political, social, economic, and cultural history of the people of the Rio Grande from early civilizations to the present. Prerequisite: HST 133 (3 semester hours).

HISTORY 373, WORLD CIVILIZATION I

This course will cover a general survey of the history of the world's principle cultures from the beginning of civilization until the European Renaissance. Special attention is given to basic knowledge of World Geography (3 semester hours).

HISTORY 383, WORLD CIVILIZATION II

This course will cover a general survey of the history of the world's principle cultures from the European Renaissance to the present (3 semester hours).

HISTORY 393, HISTORY OF THE AFRICAN AMERICAN PEOPLE

This course is a topical survey of the historical legacy of the African American people. It begins with the origins of humankind and explores the impact of African culture and technology on Asia, Europe, and the Americas, prior to the rebirth and expansion of Europe. The struggles of African-American men and women for liberation are seen as an exciting chapter in the history of humanity. Prerequisite: HST 233 (3 semester hours).

HISTORY 403, TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL

This course is the study of human beings' relationship to each other in a pluralistic society. Content and activities will be drawn from the core disciplines contained in social studies. Prerequisite: Admission to the Teacher Education Program (3 semester hours).

HISTORY 413, SPECIAL TOPICS IN HISTORY

This course is designed to give students exposure to advanced topics in areas of interest. May be repeated when topics vary. Prerequisite: Approval of Division Chairperson (3 semester hours).

HISTORY 423, HISTORY OF AFRICA

This course will offer a broad study of the historical development of Africa, south of the Sahara Desert. Prerequisite: HST 383 (3 semester hours).

HISTORY 433, HISTORY OF THE MIDDLE EAST

This course will offer a political, cultural, and economic study of the Middle East from the time of Muhammad to the present. Prerequisite: HST 383 (3 semester hours).

HISTORY 453, U. S. IN THE 20TH CENTURY

This course will cover a study of the complex forces, movements, and economic developments in the United States, which culminated in World Wars I and II. An analysis of post-war developments and trends will be included. Prerequisite: HST 323 (3 semester hours).

GEOGRAPHY 303, WORLD GEOGRAPHY

An introduction to modern geography, including regions and nations of the world, major types of land surfaces, climatic regions, water and mineral resources, and world distribution of populations. Map study will be given great importance. Prerequisite: HST 383 (3 semester hours).

AREA OF PHILOSOPHY

The courses in Philosophy aim to provide students with understanding of the philosophical thoughts in liberal learning. The courses also aim to provide students with the tools needed for logical and effective thinking, and experience in working with fundamental human values.

COURSE DESCRIPTIONS IN PHILOSOPHY

PHILOSOPHY 303, INTRODUCTION TO PHILOSOPHY

This course will offer an introduction to the main philosophical systems of the past hundred years, with emphasis on the historical development (3 semester hours).

PHILOSOPHY 333, ETHICS

A study of moral theory, including the ideas of Plato, Aristotle, The Stoics, Spinoza, Kant, Mills, and Nietzsche, in reference to Christian ethics. This course will provide a discussion of such problems as war, sex, euthanasia, birth control, etc. Prerequisite: PHI 303 (3 semester hours).

PHILOSOPHY 373, LOGIC

This course will offer a study of the principles of critical thinking, inductive and deductive logic, with emphasis on common and formal fallacies, the syllogism, and symbolic logic. Prerequisite: PHI 303 (3 semester hours).

AREA OF RELIGION

The mission of the Religion program is to equip students to become Christian servant leaders in multicultural settings, who combine intellect with faith in their respective careers. The mission is achieved through prayer, study, intellectual inquiry, critical reasoning and theological reflection.

The Area of Religion offers a Bachelor of Arts degree in addition to a minor in Religion. The specific objectives of the Area are as follows:

- (1) To ignite within students a desire for lifelong study of the Word of God.
- (2) To provide students with an understanding of basic methods of academic religious inquiry.
- (3) To provide leadership and educational resources to enhance the learning experience and challenge students in theological reflection.
- (4) To develop students' critical thinking skills, and integration of theology in daily decision making.
- (5) To offer a degree plan that would prepare students for graduate school, seminary or the marketplace.
- (6) To educate students to be agents for positive change in church and society, who exemplify Christian integrity, and academic excellence.

COURSE DESCRIPTIONS IN RELIGION

RELIGION 203, ETHICS AND LOGIC

This course provides a general framework for studying historical and contemporary Christian ethical beliefs. The course objective is to sharpen critical thinking skills and dimensions of decision making in selected areas; and to identify new ways of communicating Christian values in a pluralistic society. (3 semester hours)

RELIGION 313, SURVEY OF THE OLD TESTAMENT

This course offers an exploration of the historical, cultural, and theological background of the Old Testament as expressed in the Law and other writings, and by the Prophets. (3 semester hours)

RELIGION 323, SURVEY OF THE NEW TESTAMENT

An introduction to the New Testament studies focusing on the origin of Christianity and the New Testament's social, political, and cultural settings. (3 semester hours)

RELIGION 333, HOMILETICS: PREPARATION AND DELIVERY

This course offers an exploration of the art of preaching and the opportunity to study formal elements of a sermon. The student will deliver a prepared sermonic manuscript. Prerequisite: REL 323 or approval by the instructor. (3 semester hours)

RELIGION 343, CHURCH ADMINISTRATION

This course deals with various aspects of church leadership including conducting public worship, directing the business affairs of the church and promoting Christian stewardship and responsible giving. (3 semester hours)

RELIGION 353, THE MINISTRY OF THE BLACK CHURCH

This course examines the historical and sociological role that the minister has played in the Black community. Focus is on the way the special leadership styles and posturing affects the Black Church. (3 semester hours)

RELIGION 363, HISTORY OF CHRISTIANITY

This course is a survey course on Church history, which begins with the origin of the primitive Christian movement through the rise and spread of Christianity in the present. Prerequisite: REL 223 or approval by the instructor. (3 semester hours)

RELIGION 373, INTRODUCTION OF THEOLOGY

This course covers the study of theological leaders and issues including developments in Christian theology during the twentieth century. (3 semester hours)

RELIGION 383, PHILOSOPHY OF RELIGION

This course covers a study of various issues concerning religious experiences and ideas concerning the human and the divine. (3 semester hours)

RELIGION 393, PSYCHOLOGY OF RELIGION

This course is an exploration of religious experiences using schools of psychological thought. This course is applicable toward a minor in Psychology. (3 semester hours)

RELIGION 403, SOCIOLOGY OF RELIGION

This course offers a focus on sociological interpretations of religion. (3 semester hours)

RELIGION 413, AFRICAN RELIGIONS AND PHILOSOPHIES

A study of the consciousness, spirituality, and conceptions of social reality in African symbol systems, including a critical examination of existence, being, fate, time, and its relation to myth, ritual, and oral traditions. (3 semester hours)

RELIGION 423, TOPICAL SEMINAR IN THEOLOGY

A seminar, which focuses on, selected topics related to Christian theology. Prerequisite: REL 373. (3 semester hours)

RELIGION 433, TOPICAL SEMINAR IN OLD TESTAMENT STUDIES

A seminar on selected topics related to the Old Testament. (3 semester hours)

RELIGION 443 TOPICAL SEMINAR IN NEW TESTAMENT STUDIES

A seminar on selected topics related to the New Testament. (3 semester hours)

RELIGION 453, PRACTICUM

Fieldwork with seminar. Prerequisite: Minimum of eighteen semester hours in Religion. (3 semester hours)

Junior Year

SOC	323	Criminology	3
SOC	333	Social Problems	3
SOC	343	Deviant Behavior	3
		Minor	3
		Minor	3
ED	100	College Assembly	1
SOC	373	Social Psychology	3
SOC	463	Social Theory	3
SOC	353	The Black Family	3
		Minor	3
		Minor	3
		Total	31

Senior Year

SOC	483	Research Methods	3
SOC	403	Sociology Internship	3
		Minor	3
		Elective	3
		Elective	3
ED	100	College Assembly	1
SOC	473	Special Topics in Sociology	3
		Minor	3
		Elective	3
		Elective	3
		Total	28

COURSE DESCRIPTIONS IN SOCIOLOGY AND SOCIAL SCIENCE

SOCIOLOGY 303, INTRODUCTION TO SOCIOLOGY

This course is a general survey course, which introduces the student to the field of Sociology. The course includes basic sociological concepts, inter-relations of culture, society, groups and the individual, and the major social institutions (3 semester hours).

SOCIOLOGY 313, MARRIAGE AND FAMILY

This course is a social, psychological, and cultural analysis of the family under modern conditions, focusing on personality and family interactions, love, courtship, mate selection, marital success, parent-child interactions, mobility and social change, urbanization and family patterns, family crises, divorce, family therapy, and adjustment (3 semester hours).

SOCIOLOGY 333, SOCIAL PROBLEMS

This course is an introduction to and an analysis of major contemporary social problems of the U. S. society (3 semester hours).

SOCIOLOGY 343, DEVIANT BEHAVIOR

This is a sociological analysis of the various kinds of deviant behavior, with emphasis upon their relationship to societal norms and values (3 semester hours)

SOCIOLOGY 353, THE BLACK FAMILY

This course is the family structure and functions of the Black people in the United States. Explorations into some of the consequences of slavery, poverty, racism, urbanization, and rapid social change upon the Black family in a white- oriented society (3 semester hours).

SOCIOLOGY 373, SOCIAL PSYCHOLOGY

This course is an analysis of the process of social interaction, with special emphasis on development of social attitudes and group psychology. An analysis of the processes of social interaction with special emphasis on the development of social attitudes and the dynamics of small group interactions(3 semester hours).

SOCIOLOGY 403, INTERNSHIP

Places students in approved agencies for first –hand knowledge of an experience in sociological work.

SOCIOLOGY 463, SOCIAL THEORY

This course is a review of the developments in sociological theory from its origin in philosophy to contemporary theory building efforts (3 semester hours).

SOCIOLOGY 473, SPECIAL TOPICS IN SOCIOLOGY

This course is an intensive individual study or research undertaken by a student under the direction of a faculty member. Prerequisite: Consent of instructor (3 semester hours).

SOCIOLOGY 483, RESEARCH METHODS

This course is an introduction to the philosophy and basic concepts of research including the scientific method, research design, reliability, validity, sampling, and ethical considerations of research. Prerequisite: Math 393 (3 semester hours).

COURSE DESCRIPTIONS IN POLITICAL SCIENCE

POLITICAL SCIENCE 203, TEXAS AND FEDERAL CONSTITUTION

This course is the study of the constitutional structure, function and role of government in Texas and at the national level. The course includes an examination of Texas public education laws. This course fulfills legislative requirements for Teacher Certification (3 semester hours).

POLITICAL SCIENCE 303, AMERICAN CONSTITUTIONAL LAW

This course is an overview of the development of American constitutional principles, law, and judicial review as well as case decisions of the Federal Supreme Court (3 semester hours).

POLITICAL SCIENCE 313, AMERICAN POLITICAL PARTIES

A study of the American party system, its organization and leadership; nominations, campaign suffrage, elections, and the expression of public opinion (3 semester hours).

POLITICAL SCIENCE 323, AMERICAN GOVERNMENT

A study of the federal government of the United States emphasizing the origins of the United States Constitution, its amendments, the principles of federalism, judicial interpretations, and political party developments (3 semester hours).

AREA OF PSYCHOLOGY

The Psychology minor is designed for the student who is seeking an introduction to the field of psychology. It is not intended to offer a complete foundation for graduate study in psychology. Eighteen (18) hours are required for a minor in Psychology.

Requirements for the Minor in Psychology:

PSY	303	Introduction to Psychology	3
PSY	313	Abnormal Psychology	3
PSY	383	Psychology of the Disadvantaged Child	3
PSY	443	Theories of Personality	3
PSY	473	Special Topics in Psychology	3
SOC	373	Social Psychology	3
TOTAL			18

COURSE DESCRIPTIONS IN PSYCHOLOGY

PSYCHOLOGY 303, INTRODUCTION TO PSYCHOLOGY

This course offers an introduction to psychology emphasizing various psychological approaches (based on scientific methodology) or perspectives in understanding behavior. Typical topics covered include: learning, memory intelligence, motivation and emotion, states of consciousness, health psychology, abnormal behavior, and social foundations of behavior and personality (3 semester hours).

PSYCHOLOGY 313, ABNORMAL PSYCHOLOGY

This course covers etiology, diagnosis, treatment, and prognosis of personality maladjustment and mental disorders (3 semester hours).

PSYCHOLOGY 383, PSYCHOLOGY OF THE DISADVANTAGED CHILD

This course covers an analysis of the environmental factors influencing the learning, motivation, and social behaviors of the disadvantaged child (3 semester hours).

PSYCHOLOGY 443, THEORIES OF PERSONALITY

This course provides consideration of major theoretical approaches to the study of personality, its development, understanding, and investigation (3 semester hours).

PSYCHOLOGY 473, SPECIAL TOPICS IN PSYCHOLOGY

This course is an intensive individual study undertaken by a student under the direction of a faculty member. Prerequisite: Consent and availability of supervising instructor. May be repeated for credit (3 semester hours).

COURSE DESCRIPTIONS IN ART**ART 312, ARTS AND CRAFTS**

This course covers participation in the elementary processes of working with wood, clay, paper, paint, textiles, and other materials. Fee \$5.00 (2 semester hours).

ART 383, TEACHING ART FUNDAMENTALS IN THE ELEMENTARY SCHOOL

This is a practicing laboratory class for elementary education majors. Emphasis is placed on elements and basic principles of art that promote forms of creative expression. Emphasis will also be placed on the development of two-dimensional subjects common to the elementary school art curriculum (3 semester hours).

AREA OF MUSIC

The Minor in Music Program is open to students from all academic areas of the College and consist of 18 semester hours. Students who elect music as their minor must earn a grade of "C" or better in each music course taken.

The Music curriculum is designed to meet the following objectives:

- (1) To assist students in achieving their professional goals in music; and
- (2) To enrich the lives of the students and the community through exposure to music.

Requirements for the Minor in Music

The Music Minor shall consist of eighteen (18) credit hours, including eight (8) credit hours of theory, six (6) credit hours of music history, three (3) credit hours of applied music, and three (3) credit hours of approved electives.

Music Minor Required Courses:

MUS	112	Music Theory I	3
MUS	122	Music Theory II	3
MUS	171	Music History	3
MUS	222	Music Literature	3
MUS	312	Applied Music (Instrumental or Vocal)	3
MUS	343	Approved Elective	3
TOTAL			18

COURSE DESCRIPTIONS IN MUSIC

MUSIC 101, PERFORMING ARTS - CHOIR

Choir is a mixed ensemble selected by auditions. Representative works from standard choral literature of all the major artistic periods will be learned and performed each semester. Music majors (except Instrumental majors) must take Choir for eight semesters. Credit will be given for only four semesters. Non-music majors may take Choir for eight semesters and receive one credit each semester (1 semester hour).

MUSIC 111, PERFORMING ARTS – BAND

Marching Band is designed to develop group and individual instrumental and marching skills for effective performance.

MUSIC 111, PERFORMING ARTS – JAZZ BAND

Provides an introduction to the basic principles of Jazz with practical study of scales, patterns, chord progressions and major style developments in the tradition of Jazz.

MUSIC 112, MUSIC THEORY I

Covers the fundamentals of music theory and includes the study of scale and chord formation and recognition of melodic and harmonic intervals, chords and inversions, transposition, meter and rhythmic counting. Emphasis will be placed on the study of all keys, major and minor. (3 semester hours)

MUSIC 122, MUSIC THEORY II

This course offers a continuation of Music Theory I with the introduction of passing tones and seventh chords with their (dominant and non-dominant) inversion. Harmonization of melodies, figured, and unfigured basses. Elementary and advanced modulation practices will also be studied (3 semester hours).

MUSIC 171, MUSIC HISTORY

This course covers a comprehensive study of the historical and stylistic growth of music from antiquity to the present (3 semester hours).

MUSIC 222, MUSIC LITERATURE

This course covers the study of music literature from a variety of genres and ethnic groups through the ages. Emphasis will be placed on spiritual, jazz, symphonic, lyric and choral compositions (3 semester hours).

MUSIC 312, APPLIED MUSIC

Applied principles with an emphasis on hearing pitches accurately and singing and writing of rhythms and pitches associated with solfege and standard music notation. Principles of applied musicianship used to perform actual musical composition in a variety of styles and idioms (3 semester hours).

MUSIC 343, TEACHING MUSIC IN THE ELEMENTARY SCHOOL

This course focuses upon the significance of music and the general music curriculum in an elementary school setting (3 semester hours).

COURSE DESCRIPTION IN AESTHETICS

AESTHETICS 203, AESTHETICS

This course is designed to provide students with a variety of fine arts, including painting, print making, sculpture, and music (classical and jazz). These experiences will help students to develop a deeper appreciation for the arts (3 semester hours).

DIVISION OF EDUCATION

The purpose of the Division of Education is to prepare competent, highly proficient teachers who possesses the knowledge, understanding, skills, dispositions and abilities essential for effective teachers. The emphasis is on “Teacher as Decision Maker” State, national and institutional standards have been integrated in order to prepare the teacher candidates to become professional educators.

The Division of Education offers ten teacher certification areas and one non-teaching degree: Early Childhood-Fourth Grade; Fourth – Eighth Grade, science, math, English/Language Arts and Social Studies; Eighth-Twelfth Grade Biology, Science, Math, English/Language Arts and History; All Level (Physical Education) and Human Performance and Wellness (non-teaching).

Teacher Educations Degrees

Area	Academic Degree Offered
Elementary Education, Early Childhood through Fourth Grade	Bachelor of Science
Elementary/Middle School Education, Grades 4-8	
Life Science	Bachelor of Science
English, Reading and Language Arts	
Social Studies	Bachelor of Science
Mathematics	Bachelor of Science
Middle and Secondary Education, Grades 8-12	
Biology	Bachelor of Science
English, Reading and Language Arts	
History	Bachelor of Science
Mathematics	Bachelor of Science
All Levels, Grades Early Childhood-12	
Physical Education	Bachelor of Science

Non-Teaching Degree

Area	Academic Degree Offered
Human Performance and Wellness	Bachelor of Science

revoke a teaching certificate, or refuse to issue a teaching certificate for an individual who has a criminal record background.

Professional Organizations

Teacher education majors are encouraged to join at least one professional organization. Information regarding organizations in specialized teaching disciplines may be obtained from the student's advisor and/or the Division Chairperson.

COURSE DESCRIPTIONS IN EDUCATION

EDUCATION 100, COLLEGE ASSEMBLY

The College Assembly is designed to supplement and complement the total educational experience at the college. Emphasis is placed on the broad dimensions of the academic, social, cultural, and religious experiences. The opportunity is provided for students to apply these lectures/presentations to their major area of endeavor. (3 semester hours)

EDUCATION 223, INTRODUCTION TO EDUCATION

Students are provided information concerning the field of education, schools and students, teachers and the teaching profession, parental and community involvement and governance of schools. Additionally, the requirements for admission to the teacher education program are presented. (3 semester hours)

EDUCATION 300, LEARNER ASSESSMENT

This course offers a systematic focus on the content and strategies needed to successfully pass the state pedagogy and professional development/content standards (TEXES exam). (0 semester hours)

EDUCATION 303, DEVELOPMENT OF INFANTS, CHILDREN AND ADOLESCENTS

The courses focus on developmental theories applied to learning and teaching in school settings. Theorists such as Piaget, Freud, Erickson, Maslow and Pearce will be covered. This course includes current philosophies and practices for the exceptional child. (3 semester hours)

EDUCATION 323, TECHNOLOGY IN TEACHING

This course is an introduction to educational technology. Students will be required to produce lessons utilizing computers, telecommunications, videotapes and other technology to meet the state standards for this area. (3 semester hours)

EDUCATION 333, MATH/SCIENCE STRATEGIES

This course focuses on theories, basic principles of real complex numbers, and linear and quadratic equalities. Special emphasis on teaching mathematics to special needs students is included. Other topics covered include: Aims and objectives for science, math teaching, selection and organization of materials, guidance and experiences of children, development of available resources, and practical experiences in developing and demonstrating science lessons we included. (3 semester hours)

EDUCATION 343, FINE ARTS STRATEGIES (music, art and physical education)

This course covers introduction to the essential elements of physical education, music, and art for grades Pre-K 4. Other areas include: Applying the principles of human growth and development to teach physical education, music and art in the school setting. (3 semester hours)

EDUCATION 363, READING IN THE CONTENT AREAS

This course is designed to study the theories, research, processes, strategies, practical applications, as well as the selection, administration and evaluation of assessment instruments appropriate for diagnosing and correcting classroom reading difficulties. Strategies are presented for teaching reading across the curriculum. (3 Semester hours)

EDUCATION 373, READING /ENGLISH/LANGUAGE ARTS STRATEGIES

This integrated course exemplifies the benefits of teaching reading, language arts and social studies authentically. The focus is on methods, materials and strategies as it relates to each subject area. (3 semester hours)

EDUCATION 400, STUDENT TEACHING SEMINAR

This course provides opportunities for student teachers to discuss the clinical experience. Reinforcement and feedback are provided to enable the student teachers to experience success. Some of the topics covered are: lesson plans, classroom management strategies, working with the cooperating teacher, observation, techniques, use of technology, current topics in education and other topics. (0 semester hours)

EDUCATION 406, STUDENT TEACHING ELEMENTARY

Students participate full-time for twelve weeks in all phases of school work in an elementary school under the joint supervision of the college and the school. Periodic meetings are held with the cooperating teacher and the college supervisor of student teaching. Assessments of the student teaching experience are done on an on going basis and at the end of the experience. Feedback is provided to the student teacher in order to make the experience productive. (6 semester hours)

EDUCATION 413, MATHEMATICS STRATEGIES (4-8 AND 8-12)

The focus of this course is on the strategies and materials involved in teaching mathematics to students in grades 4-8 and 8-12. Students will prepare lesson plans to incorporate state and national standards, appropriate materials and strategies to deliver effective instruction to students. (3 semester hours)

EDUCATION 416, STUDENT TEACHING SECONDARY

Students participate full-time for twelve weeks in all phases of school work in a secondary school under the supervision of the college and school. Periodic meetings are held with the cooperating teacher and college supervisor of student teaching. Assessments of the student teaching experience are done on an on-going basis and at the end of the experience. Feedback is provided to the student teacher in order to make the experience productive. (3 semester hours)

EDUCATION 423, EDUCATION AND SOCIETY

This is a beginning course to introduce teachers to practices and foundations of education which include legal and ethical aspects of teaching; structure, organization and management of the schools. Emphasis will be placed on the state and local school governance. (3 semester hours)

EDUCATION 426, STUDENT TEACHING ALL LEVELS

Students participate full-time for twelve weeks in all phases of school work in grades Pre-K-12 under the supervision of the college and schools. Periodic meetings are held with the cooperating teacher and college supervisor of the student teaching. Assessments of the student teaching experience are done on an on-going basis and at the end of the experience. Feedback is provided to the prospective student teachers in order to make the teaching experience productive. (3 semester hours)

EDUCATION 433, SOCIAL STUDIES STRATEGIES

An overview of the teaching strategies and materials involved in teaching social studies to students in grades 4-12 will be presented. Also included are state objectives and national standards, instructional planning, use of technology, attention to diversity and other topics. (3 semester hours)

EDUCATION 443, ASSESSMENT IN LEARNING

This course focuses on techniques involved in the development of tests, collecting data; analysis of data, interpreting data, assessment (performance and portfolio) of students, legal and ethical considerations, descriptive statistics, outcomes based accountability assessment and other topics. (3 semester hours)

EDUCATION 463, CLASSROOM MANAGEMENT

An examination of the relationship between the pupil, and classroom environment in the schools, grades PreK-12 is the focus of this course. Also included are teaching objectives, instructional planning, use of technology/audio visual aids, effective teaching strategies, diversity and other topics. (3 semester hours)

EDUCATION 473, ENGLISH/LANGUAGE ARTS/READING STRATEGIES (4-8 AND 8-12)

This integrated course emphasizes the benefits of teaching reading (diagnostically), and language arts with a focus on methods, materials and strategies. This course also focuses on selecting, evaluation of assessment tools and instructional strategies for diagnosing and correcting reading problems. (3 semester hours)

EDUCATION 483, SCIENCE STRATEGIES

This experience is designed to assist the prospective teacher to prepare and present science concepts to students in grades 4-12. Emphasis is placed on the state and national standards, selection and organization of materials, guidance and experiences of students, use of available resources, practical experiences in developing and demonstrating science activities. (3 semester hours)

EDUCATION 493-PHYSICAL EDUCATION STRATEGIES

Emphasis is on developing materials for teaching, writing objectives that include the state and national standards, lesson plans and the use of effective teaching strategies for student mastery at all grade levels. (3 semester hours)

ENGLISH 493, CHILDREN'S/ADOLESCENT LITERATURE

This course involves determining the types of literature for children, Pre-K through 12. The focus is on selecting, evaluating, understanding literature, literature responses, and promoting a lifetime interest in literature. (3 semester hours)

REA 353-EMERGENT LITERACY

This courses teaches the skills essential for nurturing early literacy development (oral language, reading and writing) for young children. Areas of focus include: research, theories, developmental trends and instructional materials, methods and strategies for grades EC-4. (3 semester hours)

READING, 363, READING IN THE CONTENT AREAS

This course is designed to study theories, research, processes, strategies, practical applications, as well as the selection, administration and evaluation of assessment instruments appropriate for diagnosing and correcting classroom reading difficulties. Strategies are presented for teaching reading across the curriculum. (3 semester hours)

READING 393, READING IN THE ELEMENTARY SCHOOL

This course is designed to prepare the EC-6 grade teacher to understand the English/Language Arts and Reading TEKS, strategies for instruction, current research, lesson planning, monitoring/assessment of instruction and use of a variety of reading programs/materials. (3 semester hours)

READING 403, DIAGNOSTIC TEACHING OF READING

This course is designed to prepare the students to select, administer, evaluate and assess the instructional techniques appropriate for diagnosing, intervening and correcting reading difficulties experienced by EC-12 students. Field based observations and follow-up experiences will be incorporated in this course. Students will be required to do case studies, research on effective reading approaches and apply strategies. (3 semester hours)

SPECIAL EDUCATION, 383 EXCEPTIONAL LEARNER

This course provides an introduction to major areas of exceptionality, focusing on legislation and research requiring an appropriate education for all children. Students will acquire information related to intervention strategies, methods, materials and adaptations, as well as being made aware of other available personnel and related services required and dictated by legislation. (3 semester hours)

PHYSICAL EDUCATION/HUMAN PERFORMANCE AND WELLNESS

Physical Education Activity Requirements

Graduation from Paul Quinn College requires the completion of at least two different Physical Education courses. Students are strongly encouraged to complete this requirement during their first year of attendance.

General Notes:

1. A two-semester hour skills course may not be taken in lieu of the two semester hours required in the General Education Core. The General Education Core requirement consists of two courses of one semester hour each in Physical Education Activity.
2. Students will be permitted to take only one Physical Education Activity course during a semester.

A student may be eligible for exemption by meeting one of the following criteria:

1. Furnish a health certificate signed by a licensed physician which indicates medical impairment;
2. Furnish proof that one is 25 years of age or older;
3. Furnish a transcript indicating completion of two PHYSICAL EDUCATION activity courses; or
4. Be a veteran of the U.S. Armed Forces and furnish proof from the Veteran's Administration.

COURSE DESCRIPTIONS FOR PHYSICAL EDUCATION AND HUMAN PERFORMANCE/WELLNESS

ACTIVITY COURSES

PHYSICAL EDUCATION 111A, PHYSICAL ACTIVITIES I

The focus of this course is upon a study of the history, equipment, facilities, rules and regulations, and basic skills of the team sports (1 semester hour).

PHYSICAL EDUCATION 111B, PHYSICAL ACTIVITIES II

This course includes instruction on the history, equipment, facilities, rules and regulations, and basic skills of individual sports. Basic skills related to physical activities are presented and practiced. Opportunities for competition are presented (1 semester hour).

THEORY COURSES:

PHYSICAL EDUCATION 333, SOCIOLOGY OF SPORTS

This course offers a sociological and psychological interpretation of modern sports. Includes an in-depth analysis of rules, crowd response, and sociological demands of the athlete (3 semester hours).

PHYSICAL EDUCATION 343, HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION

This course includes a brief history and review of major objectives of the Area of Physical Education. Basic principles of the profession, as well as the sources of these principles, are included. This course is designed to serve as an introductory course for all students interested in pursuing careers related to Physical Education/Human Performance and Wellness. (3 semester hours).

PHYSICAL EDUCATION 353, PHYSIOLOGY OF EXERCISE

This course covers a study of the physiological effects of exercise upon the human body and the relationship of these effects to PHYSICAL EDUCATION programs and athletics (3 semester hours).

PHYSICAL EDUCATION 363, TESTS, MEASUREMENTS, AND EVALUATION IN PHYSICAL EDUCATION

This course is designed to assist prospective teachers of Physical Education in developing the skills to test, measure, and evaluate persons who participate in their programs. It will enable the individual to understand essential statistical techniques, relevant measurement theory, and available tests which enables the creative instructor of Physical Education to develop valid methods of testing, measuring, and evaluating students (3 semester hours).

PHYSICAL EDUCATION 373, PHYSICAL EDUCATION FOR SPECIAL INDIVIDUALS

This course embraces adapted, corrective, and developmental physical education activities. Adapted activities for the mentally, physically, emotionally, and socially handicapped; with corrective PHYSICAL EDUCATION activities and body mechanics, and with developmental PHYSICAL EDUCATION and physical fitness (3 semester hours).

PHYSICAL EDUCATION 383, PHYSICAL EDUCATION/HUMAN PERFORMANCE AND WELLNESS

This course places emphasis upon the analysis of both structural and functional human motion. The course also includes scientific information concerned with the mechanical laws of nature and their effects upon PHYSICAL EDUCATION (3 semester hours).

PHYSICAL EDUCATION 413, ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION PROGRAMS, INCLUDING ATHLETICS

This course provides information and experiences relative to basic principles involved in organizing, supervising, developing, and administering pr managing Physical Education Programs, including athletics in Elementary, Middle, and Secondary schools, as well as, College (3 semester hours).

PHYSICAL EDUCATION 473, COACHING INTERSCHOLASTIC FOOTBALL/BASKETBALL/OTHER SPORTS

This course includes a study of the basic science of the team sport of football. It provides opportunities to study the sport and to gather experience through visits and relations with coaches of interscholastic football (3 semester hours).

PHYSICAL EDUCATION 493, THE PSYCHOLOGY OF COACHING

This course includes principles and techniques applicable to providing instruction in sports, and to pointing out the relationship of meaningful learning to successful athletic coaching (3 semester hours)

HEALTH: THEORY COURSES

HEALTH 212, FUNDAMENTALS OF HEALTH

This course is designed specially for college students. It focuses on the most pressing issues and concerns facing students during their college years. The conceptual framework of the course is preparation for individual, self-directed health behavior (2 semester hours).

RECREATION: THEORY COURSES

RECREATION 333, OUTDOOR RECREATION

This course is designed to introduce the student to the place of the out-of-doors in meeting recreational needs. Emphasis is placed upon outdoor activities such as, camping, fishing, and hunting (3 semester hours).

RECREATION 353, INTRODUCTION TO RECREATION

This course emphasizes the history and foundation of the recreational movement in America. Emphasis is placed on the cultural significance to recreation and the relationship of recreation to the totality of life (3 semester hours.)

RECREATION 373, LEADERSHIP IN RECREATION

This course is designed to present theories, principles, and practices of recreational leadership. The course also includes a study of program planning and organization, and the implementation of leisure time programs in public and private recreation settings (3 semester hours).

DIVISION OF BUSINESS & PROFESSIONAL STUDIES

MISSION

The mission of the Division of Professional Studies is to provide quality accounting, business, criminal justice and organizational management education, leading to baccalaureate degree programs. The primary focus is a commitment to prepare students with diverse backgrounds intellectually, professionally, and to enable them to function effectively in a global and technological environment with emphasis on continuous improvement.

OBJECTIVES

The Programs provide opportunities for students to:

- Understand the economics, social, and practical climate in which business and justice operate.
- Analyze and utilize research findings in solving problems
- Develop a firm analytical and conceptual background, which enables them to think ethically and analytically
- Develop enduring habits, attitudes for continuing independent professional and scholarly growth and development.
- Develop marketable skills for employment and hold responsible positions of leadership in business, industry, government, church, and other professional areas requiring a sound background in theory and practice.
- Develop usable, knowledge, habits, and attitudes needed in a culturally diverse workplace.

The Division of Business & Professional Studies includes the following areas of instruction and possible degrees:

COURSE DESCRIPTIONS IN ACCOUNTING**ACCOUNTING 303, ELEMENTARY ACCOUNTING I**

An introduction to the study of the principles of accounting as applied to business entities, as well as fundamental procedures in analyzing and recording business transactions. Journals, ledgers, and preparation of the income statement will be emphasized. Prerequisite: Sophomore standing or completion of MTH 123 (3 semester hours).

ACCOUNTING 313, ELEMENTARY ACCOUNTING II

A study of accounting procedures, practices in partnerships and corporations, cost data, and budgetary control in business decisions and financial reports. Prerequisite: ACC 303 (3 semester hours).

ACCOUNTING 323, INTERMEDIATE ACCOUNTING I

An application of generally accepted accounting principles for Business corporations. Intensive study of techniques used in adjusting, correcting, and revising accounting record and statements, and accounting for cash, receivable, liabilities, inventories, and plant assets. Prerequisite: 3.00 average in ACC 303 or ACC 313 or consent of Division Chairperson (3 semester hours).

ACCOUNTING 333, INTERMEDIATE ACCOUNTING II

This is an introductory course to the study of accounting investments, earning per share, revenue recognition, inter-period tax allocation, pensions, and leases. Also included are segment reporting, interim reporting, and the conceptual framework underlying financial accounting. Prerequisite: ACC 323 (3 semester hours).

ACCOUNTING 343, MANAGERIAL ACCOUNTING

A study of the measurement and analysis of accounting data appropriate to managerial decision making, including comprehensive budgeting, statistical cost estimation, cost-volume-profit analysis, gross profit analysis, and capital planning. Prerequisites: ACC 303 and ACC 313 (3 semester hours).

ACCOUNTING 353, COST ACCOUNTING

A course which emphasizes accounting procedures for material, labor, and manufacturing expenses for both job order and process cost systems. Special attention is given to the distribution of service area cost and the cost of by-products, and joint products. Prerequisites: ACC 303 and ACC 313 (3 semester hours).

ACCOUNTING 363, AUTOMATED ACCOUNTING

This course introduces the application of modern accounting data processing methods to accounting systems. Account structures, methods of analysis, and improvement of accounting systems utilizing the microcomputer will be covered. Prerequisites: CS 113, ACC 303, and ACC 313 (3 semester hours).

ACCOUNTING 373, GOVERNMENTAL AND NON-PROFIT

A study of the role financial reporting plays in fulfilling government's duty to be publicly accountable in a democratic society, and a study of the accounting concepts that are applicable to governmental activities of a non-business nature, and to hospitals, universities, and other non profit entities (3 semester hours).

ACCOUNTING 403, SPECIAL TOPICS IN ACCOUNTING

This course is an agreed concentration in Accounting formulated by the instructor/student. Credit may be earned without regular class attendance. The instructor and student are required to meet at least once per week for instruction and evaluation (3 semester hours).

ACCOUNTING 413, FEDERAL TAX ACCOUNTING

This course covers an overview of income tax laws and regulations, income legislation, treasury and court decision, departmental ruling, income tax problems and returns, and social security and self-employment taxes. Prerequisites: ACC 303 and ACC 313 (3 semester hours).

ACCOUNTING 423, SEMINAR IN TAXATION

This course examines Federal income Tax laws and their implications as applied to corporations, partnerships, sub-chapter corporations, estates, and trusts. Prerequisite: ACC 413 (3 semester hours).

ACCOUNTING 433, AUDITING

This course offers a study of auditing procedures used by intern auditors and independent public accountants, as well as the preparation of working papers. Prerequisite: ACC 333 (3 semester hours).

ACCOUNTING 443, ADVANCED ACCOUNTING

Theories of international trade and finance, tariffs barriers to trade, exchange rates and determinants, balance of payment problems, and alternative views and their solutions. Prerequisites: ECO 303 and ECO 313 (3 semester hours).

ACCOUNTING 453, ACCOUNTING THEORY

A study of accounting, including its historical and theoretical development, and the concepts of income measurement and asset valuation will also be addressed. Prerequisite: ACC 333 (3 semester hours).

ACCOUNTING 493, INTERNSHIP

This course is a practical work experience in an accounting firm. Students spend one hour per week in class and 15 or 20 hours per week in a work setting, supervised by a firm official. Approval of Division Chairperson required. Prerequisite: Junior or Senior classification.(3 semester hours).

Junior Year

BUS	353	Business Communication	3
ECO	303	Principles of Microeconomics	3
BUS	373	Personnel Management	3
MTH	383	Basic Statistics	3
ACC	303	Elementary Accounting I	3
ED	100	College Assembly	.5
ECO	313	Principles of Macroeconomics II	3
ACC	313	Elementary Accounting II	3
BUS	443	Statistics for Business	3
BUS	433	Topics in Business Administration	3
BUS	333	Organizational Behavior	3
ED	100	College Assembly	.5
		TOTAL	31

Senior Year

ACC	343	Managerial Accounting	3
FIN	313	Business Finance	3
BUS	483	Topical Seminal	3
ECO	363	Money & Banking	3
BUS	473	Marketing Management	3
ED	100	College Assembly	.5
BUS	413	Small Business Management	3
BUS	423	Business Strategy & policy	3
BUS	493	Internship in Business Admin.	3
ECO	473	Labor Economics	3
BUS		Elective	3
ED	100	College Assembly	.5
		TOTAL	31

COURSE DESCRIPTIONS IN BUSINESS ADMINISTRATION**BUSINESS ADMINISTRATION 303, INTRODUCTION TO BUSINESS**

An introductory business course for business and non-business majors, which will include an overview of business activities, and an understanding of capitalism, social responsibility, and decision-making. An overall perspective of business during the past decade will be provided (3 semester hours).

BUSINESS ADMINISTRATION 313, PRINCIPLES OF MANAGEMENT

This course covers the study of the principles of management, which have general applicability to all types of enterprises. Includes an introduction to basic management philosophy and decision-making processes, and the principles involved in the functions of planning, organizing, supervising, and controlling. special emphasis is on organization and supervision (3 semester hours).

BUSINESS ADMINISTRATION 323, PRINCIPLES OF MARKETING

A focus on micro-activities that demonstrates marketing operations and competitive marketing strategies for developing an organization's marketing mix. Prerequisite: ECO 223 (3 semester hours).

BUSINESS ADMINISTRATION 333, ORGANIZATIONAL BEHAVIOR

An introduction to organizational principles that is applicable to all organizations. This course focuses on many of the personal and professional interactions within profit or non-profit systems (3 semester hours).

BUSINESS ADMINISTRATION 353, BUSINESS COMMUNICATION

This course covers an analysis of updated concepts and methods for success in business communications. Emphasis is on communication process models, communication-by-objectives, whole-into-parts message planning, and the uses of logic, psychology, and language to achieve ethical, profitable goals. Prerequisites: ENG 113 and ENG 123 (3 semester hours).

BUSINESS ADMINISTRATION 363, BUSINESS LAW

A survey of fundamental principles governing business law including contract, torts, obligations, and grievance procedures as developed and administered under civil and administrative law (3 semester hours).

BUSINESS ADMINISTRATION 373, PERSONNEL MANAGEMENT

This course covers a study of the principles, procedures, and techniques of personnel administration. Consideration is given to recruitment, selection, training, and wage and salary administration relative to human resource management (3 semester hours).

BUSINESS ADMINISTRATION 413, SMALL BUSINESS MANAGEMENT

An analysis of the creation and management of small firms with an emphasis on entrepreneurial opportunities, and new venture processes as well as managerial activities needed for the successful operation of small firms. Prerequisites: BUS 303, 313 and/or consent of the instructor (3 semester hours).

BUSINESS ADMINISTRATION 423, BUSINESS STRATEGY AND POLICY

The study and analysis of comprehensive business cases with an emphasis focused on decision-making processes using skills and techniques acquired from previous course work. Prerequisites: Senior standing and consent of instructor (3 semester hours).

BUSINESS ADMINISTRATION 433, TOPICS IN BUSINESS ADMINISTRATION

This course is based upon the individual needs of the student participants. Only students entering their final twelve credit hours needed for graduation are permitted to register (3 semester hours).

BUSINESS ADMINISTRATION 443, STATISTICS II FOR BUSINESS AND ECONOMICS

This course covers the application of calculus techniques to solve business and economic problems. Includes rule of differentiation and integration, maxima and minima, constrained optimization, and Taylor series. Prerequisites: 113 and Mathematics 123 (3 semester hours).

BUSINESS ADMINISTRATION 473, MARKETING MANAGEMENT

This course offers a study of the psychology and practices of salesmanship. The sales cycles and various forms of salesmanship are emphasized as well as laboratory and case studies. Prerequisite: Junior or senior standing (3 semester hours).

BUSINESS ADMINISTRATION 483, SPECIAL TOPICS IN BUSINESS ADMINISTRATION

Advanced individual work in an area of interest requires the consent of the instructor and approval by the Division Chairperson (3 semester hours).

BUSINESS ADMINISTRATION 493, INTERNSHIP IN BUSINESS ADMINISTRATION

This course is a practical experience in a business setting. Students spend 15 to 20 hours per week at the work site and one hour per week in class. Approval by the Division Chairperson required. Prerequisite: Junior or senior standing (3 semester hours).

COURSE DESCRIPTIONS IN ECONOMICS/FINANCE

ECONOMICS 303, PRINCIPLES OF MICROECONOMICS

This course covers an analysis of the role of price systems in the resource allocation free market economy. Topics include the determination of price and output in different forms of market structure, the theory of consumer demands, and the theories of marginal productivity and income distribution. Prerequisites: MTH 113 and MTH 123 (3 semester hours).

ECONOMICS 313, PRINCIPLES OF MACROECONOMICS

This course covers the study of the measures and determination of national income and price-level, inflation and unemployment, and the role of monetary and fiscal policies. Prerequisite: ECO 303 or approval of the instructor (3 semester hours).

ECONOMICS 363, MONEY AND BANKING

This course covers the study of the money supply, financial inter mediation, and the role of banks and non-bank financial institutions in the money supply process. Topics also address the determination of interest rates, the Federal Reserve System, and the conduct of monetary policy. Prerequisites: ECO 303 and ECO 313 (3 semester hours).

ECONOMICS 473, LABOR ECONOMICS

A study of the work force from management's viewpoint, labor union history, labor legislation, collective bargaining, and labor as a socio-political-economic institution are some of the topics discussed. Prerequisite: ECO 343 (3 semester hours).

COURSES IN FINANCE**FINANCE 313, BUSINESS FINANCE**

This course is an introductory course to the principles of financial management. Areas examined include profit planning, budgeting for capital expenditures, management of short-term and long-term funds, cost of capital analysis, and liquidity versus profitability. Prerequisites: ACC 303, ACC 313, ECO 303 and ECO 313 (3 semester hours).

AREA OF CRIMINAL JUSTICE

Students choosing Criminal Justice as a major are required to also select and complete an academic minor from any of several available disciplines offered at the College.

**BACHELOR OF ARTS
(124 SEMESTER HOURS REQUIRED)**

Freshman Year

ENG	113	English Composition I	3
MTH	213	College Algebra	3
PE	111A	Physical Activities	1
OR	101	Freshman Orientation	1
PHS	204	Physical Science – Lec	4
PHS	205	Physical Science – Lab	0
HST	133	Survey of World Civilization	3
ED	100	College Assembly	.5
ENG	123	Composition II	3
PE	111B	Physical Activities	1
BIO	104	General Biology – Lec	4
BIO	105	General Biology – Lab	0
AES	203	Aesthetics	3
HST	213	U.S. History I	3
ED	100	College Assembly	.5
	TOTAL		32

Sophomore Year

ENG	213	Speech & Drama	3
REL	203	Ethics and Logic	3
SPN	113	Elementary Spanish I	3
CJ	303	Intro to Criminal Justice	3
MTH	383	Basic Statistics	3
ED	100	College Assembly	.5
SPN	123	Elementary Spanish II/Fren/Port	3

Minor:

Requirements for the minor include 18 credit hours of selected courses from the department of the chosen minor. The minor area selected by the student may be Criminal Justice or any of several available disciplines offered at the College.

Electives:

Electives can be satisfied through successful completion of courses from any discipline and course offering that is available at the College, with the exception of courses that have been completed by the student to satisfy General Studies, Major or Minor curriculum requirements. It is highly recommended that students choose elective courses that will support and enhance their breadth of knowledge and preparation in the Criminal Justice or Minor discipline area.

COURSE DESCRIPTIONS IN CRIMINAL JUSTICE

CRIMINAL JUSTICE 303, INTRODUCTION TO CRIMINAL JUSTICE

A course focused on the history and philosophy of criminal justice as well as an overview of the criminal justice system including law enforcement, court systems, prosecution and defense, the trial process, and corrections (3 semester hours).

CRIMINAL JUSTICE 313, SUBSTANCE ABUSE

A focus on various substances including drugs and alcohol, that is currently being used and/or abused in our society. The etiology, social phenomena, psychological and physiological effects, and current modes of treatment will be discussed (3 semester hours).

CRIMINAL JUSTICE 323, INTRODUCTION TO CORRECTIONS

This course covers the study of the historical and philosophical background of professional corrections, including a general overview of the development of the American correctional system. Emphasis is on the interdependence of corrections with other components of the criminal justice systems, modern developments and recent innovations, and the future direction of corrections (3 semester hours).

CRIMINAL JUSTICE 323, CRIMINOLOGY

This course is a study of criminology from the classical schools to the present, with special units on professional criminals and crime causation (3 semester hours).

CRIMINAL JUSTICE 333, INTRODUCTION TO PROBATION AND PAROLE

This course covers an overview of probation and parole as an alternative to imprisonment. Includes review of the Mark system and furlough leave as a stepping-stone for probation and parole. Discusses current practices as compared to the original conception of probation and parole (3 semester hours).

CRIMINAL JUSTICE 343, INTRODUCTION TO NARCOTICS AND ALCOHOLISM

This course covers the description, classification, and analysis of drug problems. Includes the philosophy and background of alcohol education, the physiological and social aspects of alcohol use and abuse, and the use/abuse of alcohol and public safety (3 semester hours).

CRIMINAL JUSTICE 343A, VICTIMOLOGY

This course is designed to acquaint students with the plight of the victims in the Criminal Justice systems (3 semester hours).

CRIMINAL JUSTICE 353, FUNDAMENTALS OF CRIMINAL LAW

This course offers the study of the philosophical and historical nature of criminal law including the classification and penalties of crime (3 semester hours).

CRIMINAL JUSTICE 353A, CORRECTIONAL SYSTEMS & PRACTICES

This course is designed to provide students with an overview of correctional systems and practices in the United States and Canada. It offers extensive, interdisciplinary examination of the historical and current correctional problems and issues related to correctional institutions including infrastructure, information systems, custody, security, control procedures and elements of treatment programs (3 semester hours).

CRIMINAL JUSTICE 363A, COURTS AND CRIMINAL PROCEDURES

This course covers the investigation of the criminal justice judiciary and the structure of the American court system. Special topics include prosecution, the right to counsel, the adjudication process, and types and rules of evidence (3 semester hours).

CRIMINAL JUSTICE 373, JUVENILE JUSTICE SYSTEM

This course covers an evaluation of the history, philosophy and practices of the juvenile court system. The role of the police officer, the correctional officer, and the social welfare worker in the juvenile system is considered (3 semester hours).

CRIMINAL JUSTICE 373A, JUVENILE DELINQUENCY

This course covers impact of social problems and the increasing concern regarding juvenile delinquency. Discussion will center on theories of causation and treatment, methods of prevention and control, and the function of agencies responsible for dealing with youths' behavior (3 semester hours).

CRIMINAL JUSTICE 373B, CRIME PREVENTION

An exploration of the importance of crime prevention within the criminal justice system as well as discussion focusing on the role of the community, police, prosecutor, courts, probation and parole personnel (3 semester hours).

CRIMINAL JUSTICE 383A, CRIMINAL INVESTIGATION

This course covers the study of investigative theory ranging from the collection and preservation of evidence to case and trial preparation (3 semester hours).

CRIMINAL JUSTICE 383B, CONSTITUTIONAL LAW AND CRIMINAL JUSTICE

This course is a study of federal and state constitutional laws as they relate to the criminal justice system, including the Bill of Rights and the Fourteenth amendment. Emphasis is on arrest, search and seizure, interrogation, confession, self-incrimination, electronic surveillance, right of privacy, trial rights, and protection against double jeopardy (3 semester hours).

CRIMINAL JUSTICE 393, INTRODUCTION TO LAW ENFORCEMENT

An overview of the law enforcement system, including the organization and functions of local, state, and federal enforcement agencies involved in the administration of criminal justice. Other topics to be discussed are centralized versus decentralized police systems and the history of the World Police Organization (3 semester hours).

CRIMINAL JUSTICE 393A, LEGAL ASPECTS OF LAW ENFORCEMENT

The authority of the police, their responsibilities and liability as well as constitutional constraints is the focus of this course (3 semester hours).

CRIMINAL JUSTICE 393B, EVIDENCE, SEARCH AND SEIZURE

Local and state laws governing evidence, procedures for obtaining evidence, and presenting it to the court is the focus of this course. Court cases concerning the admissibility of evidence, kinds and degrees of evidence, and collection and preservation of evidence are discussed (3 semester hours).

CRIMINAL JUSTICE 393C, METHODS OF RESEARCH IN CRIMINAL JUSTICE

This course is designed to teach methods and techniques of gathering, analyzing, and documenting data for classroom interpretation and advanced study (3 semester hours).

CRIMINAL JUSTICE 403, POLICE/COMMUNITY RELATIONS

This course is a study of the problems of community relations in criminal justice, and the emerging concept of active citizen involvement in the criminal justice process are covered. Topics will include: the police and the community, corrections and the community, news media, the role of minority and special interest groups, and the treatment of victims, witnesses, and jurors (3 semester hours).

CRIMINAL JUSTICE 433, 436, PRACTICUM IN CRIMINAL JUSTICE

This course is supervised work experience in an approved local, state, or federal criminal justice agency for a semester. Designed to provide the student with an opportunity to apply theory to practice (3 or 6 semester hours).

CRIMINAL JUSTICE 453A, POLICE MANAGEMENT

An in-depth study of police management including management theory; structural and functional aspects of police organizations; executive leadership and personnel selection; police records; academy and field training; patrol and middle and top-level police management; functional and supporting units; and the problems associated with police supervision (3 semester hours).

CRIMINAL JUSTICE 473A, PROBATION AND PAROLE PRACTICES

This course is the historical and philosophical evolution in the practices of probation and parole. An analysis of state and federal level probation and parole agencies as well as legal aspects of probation and parole practices (3 semester hours).

CRIMINAL JUSTICE 483, 486, SPECIAL TOPICS IN CRIMINAL JUSTICE

This course is an individual study and research in the student's area of interest in criminal justice. Consent of the Division Chairperson is required (3 or 6 semester hours).

CRIMINAL JUSTICE 493, 496, SEMINAR IN CRIMINAL JUSTICE

This course is a discussion and evaluation of historical and contemporary policies and practices in selected areas of the criminal justice field. Senior status is required (3 or 6 semester hours).

AREA OF ORGANIZATIONAL MANAGEMENT

The degree program in Organizational Management is structured to meet the needs of adult learners who are 25 or older and who have previously acquired a minimum of 45 college credit hours that can be transferred to Paul Quinn College. These students are typically working full-time and are interested in completing their degree in the evening while continuing to work. This degree program leads to a Bachelor of Science degree in Organizational Management.

Students choosing Organizational Management as a major must successfully complete the following degree plan:

Term 3

OM	4023	Managerial Economics	3
OM	4033	Managerial Finance	3
OM	4043	Managerial Marketing	3
OM	4053	Strategic Planning	3
		Elective	3
		Elective	3
		Elective	3
		TOTAL	21

Term 4

OM	4063	Personal Values & Organ Ethics	3
OM	4073	Action Research-Project II	3
		Elective	3
		Elective	1
		Elective	3
		Elective	3
		Elective	3
		TOTAL	19

Electives can be satisfied through successful completion of courses from any discipline and course offering that is available at the College, with the exception of courses that have been completed by the student to satisfy General Studies, Major or Minor curriculum requirements. It is highly recommended that students choose elective courses that will support and enhance their breadth of knowledge and preparation in the Organizational Management or Minor discipline area.

COURSE DESCRIPTIONS IN ORGANIZATIONAL MANAGEMENT

OM 3013, ADULT DEVELOPMENT AND LIFE ASSESSMENT

Module 2: Career patterns are reviewed and analyzed in light of life development theory. Guidance is given to students in preparation of a portfolio of professional experiences, which may represent college-level learning (2 semester hours).

OM 3003, GROUP AND ORGANIZATIONAL DYNAMICS

Module 1: Study of group behavior and how group functioning affects organizations. Emphasis is placed on decision making and resolving conflict in groups. Students develop strategies for efficient and productive group management and determine which tasks are handled by groups or individuals (3 semester hours).

OM 3023, ORGANIZATIONAL COMMUNICATIONS

Module 3: Students examine the formal and informal functions of organizations and analyze an agency or organization based on a systems model. Students will also analyze and solve organizational problems using a step-by-step method. This analysis will be applied to students' work-related senior thesis projects (3 semester hours).

OM 3033, COMMUNICATIONS IN ORGANIZATIONS

Module 4: This course investigates the role of communication in creating a productive organizational environment. It aids students in developing or strengthening communication skills by focusing on interpersonal group and presentation skills (3 semester hours).

OM 3044, AN INTRODUCTION TO RESEARCH AND ANALYSIS USING STATISTICS

Module 5: An introduction to research and its tools with specific emphasis upon helping the student to complete the Senior Thesis and understand managerial decision-making. Content will include statistical methods, data base research, and evaluating a problem or opportunity suitable for the Senior Thesis (4 semester hours).

OM 3053, MANAGERIAL ACCOUNTING

Module 6: An overview of financial tools available to the manager in decision-making. Includes a study of income statements, balance sheets, cash flow budgets, changes in financial position, and ratio analysis. Emphasis is on reading and understanding accounting documents rather than upon their preparation (3 semester hours)

OM3063, HUMAN RESOURCES MANAGEMENT

Model 7: This course studies how a manager attains the maximum contribution from each member of an organization toward the attainment of organizational goals. Focus on the personal and professional development of the employee is a key component (3 semester hours).

OM 4001, ACTION RESEARCH I

Module 8: Students present preliminary outlines, bibliographies, and other materials related to their Senior Thesis for review and comment (1 semester hour).

OM 4013, ISSUES IN MANAGEMENT

Module 9: Students examine the principles of management and supervision - the principles, which underlie the management of behavior within organizations. Specific topics include motivational theory, leadership styles and effectiveness, organizational design, employee involvement, quality circles, quality of work life, and job enrichment (3 semester hours).

OM 4023, MANAGERIAL ECONOMICS

Module 10: This course covers the principles of economics as they need to be understood and utilized by managers and supervisors in all fields. The internationalization of our economy and possible actions affecting economics in all types of organizations will be included (3 semester hours).

OM 4033, MANAGERIAL FINANCE

Module 11: This course covers the use of financial and statistical data to make financial decisions. Students will analyze and compare financial statements, prepare short-term and long-term financial forecasts, and distinguish between various options for investing capital (3 semester hours).

OM 4043, MANAGERIAL MARKETING

Module 12: Through assigned readings, lectures, and class discussions, students are exposed to basic marketing theory and terminology and then given the opportunity to apply this newly acquired knowledge to analyzing real-world cases exploring domestic and international marketing opportunities and problems. This exploration is designed to provide students with the skills and confidence to identify

and evaluate critical marketing data, and based on that data, develop workable and successful programs to solve problems and capitalize on opportunities (3 semester hours).

OM 4053, STRATEGIES PLANNING

Module 13: An introduction to various management planning models and techniques and applications to business case studies. Emphasis is placed on the concepts of strategic planning and strategic management. Students develop skills and strategies for achieving organizational goals (3 semester hours).

OM 4063, PERSONAL VALUES AND ORGANIZATIONAL ETHICS

Module 14: This course focuses on values, both social and personal. It is designed to help students identify the value system they and others possess, understand the basic world views of which the value systems arise, and explore the practical implications of the value systems they and others hold, especially in the area of business (3 semester hours).

OM 4073, ACTION RESEARCH, PART II

Module 15: The Senior Thesis research and writing project is submitted and reviewed. Students present their findings and recommendations and the impact on their lives of their work on the Senior Thesis for review and comment (3 semester hours).