

variety of settings. Additional instruction is provided for psychiatric disorders, and high-risk obstetrics. Teaching/learning concepts, advanced dosage calculations, nutrition, pharmacology, communication, cultural, and community concepts are integrated.

NUR 203 NURSING THROUGH THE LIFESPAN III 6 Hrs.
PREREQUISITE Two-Year Track: BIO 201, BIO 202, BIO 220, NUR 102, NUR 103, NUR 104, NUR 105, NUR 106, MTH 116 or higher, ENG 101, SPH 106 or higher, PSY 200, and PSY 210

PREREQUISITE Mobility Track: MTH 116 or higher, BIO 201, BIO 202, BIO 220, ENG 101, NUR 200, SPH 106 or higher, PSY 200, and PSY 210

COREQUISITE: Humanities elective

This course builds upon previous instruction and provides additional opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Students manage and provide collaborative care to clients who are experiencing selected alterations in cardiovascular, respiratory, and neurological systems in a variety of settings. Additional instruction is provided care for selected mental health disorders, selected emergencies, multiple organ dysfunction syndrome and related disorders. Teaching/learning concepts, advanced dosage calculations, nutrition, pharmacology, communication, cultural, and community concepts are integrated.

NUR 204 ROLE TRANSITION FOR THE REGISTERED NURSE 4 Hrs.

PREREQUISITE Two-Year Track: BIO 201, BIO 202, BIO 220, NUR 102, NUR 103, NUR 104, NUR 105, NUR 106, MTH 116 or higher, ENG 101, SPH 106 or higher, PSY 200, and PSY 210

PREREQUISITE Mobility Track: MTH 116 or higher, BIO 201, BIO 202, BIO 220, ENG 101, NUR 200, SPH 106 or higher, PSY 200, and PSY 210

COREQUISITE: Humanities elective

This course provides students with opportunities to gain knowledge and skills necessary to transition from student to registered nurse. Content includes current issues in health care, nursing leadership and management, professional practice issues for registered nurses, and transition into the workplace. Additional instruction is provided for preparing for the NCLEX-RN.

OFFICE ADMINISTRATION (OAD)

OAD 101 BEGINNING KEYBOARDING 3 Hrs.
PREREQUISITE: None.

This course is designed to enable the student to use the touch method of keyboarding through classroom instruction and outside lab. Emphasis is on speed and accuracy in keying alphabetic, symbolic, and numeric information using the keyboard. Upon completion, the student should be able to demonstrate proper technique at an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of basic business documents such as memos, letters, reports, and tables.

OAD 102 SPEED and ACCURACY 3 Hrs.
PREREQUISITE: OAD 101.

This course is designed to build speed while maintaining a high degree of accuracy and accomplishes this through a diagnostic approach of identifying individual keystroking weaknesses and prescribing specific drills to correct those weaknesses. Upon completion, the student should be able to demonstrate proper technique and improve speed and accuracy, as defined by the course syllabus.

OAD 103 INTERMEDIATE KEYBOARDING 3 Hrs.
PREREQUISITE: OAD 101.

This course is designed to assist the student in increasing speed and accuracy using the touch method of keyboarding through classroom instruction and outside lab. Emphasis is on the production of business documents such as memorandums, letters, reports, and tables. Upon completion, the student should be able to demonstrate proficiency at an acceptable rate of speed and accuracy, as defined by the course syllabus, in the production of business documents.

OAD 125 WORD PROCESSING 3 Hrs.
PREREQUISITE: OAD 101.

This course is designed to provide the student with basic word processing skills through classroom instruction and outside lab. Emphasis is placed on the utilization of software features to create, edit, and print common office documents. Upon completion, the student should be able to demonstrate the ability to use industry-standard software and generate appropriately formatted, accurate, and attractive business documents such as memos, letters, tables, and reports.

OAD 126 ADVANCED WORD PROCESSING 3 Hrs.
PREREQUISITE: OAD 125/CIS 196A.

This course is designed to increase student proficiency in using the advanced word processing functions through classroom instruction and outside lab. Emphasis is on the use of software to maximize productivity. Upon completion, the student should be able to demonstrate the ability to generate complex documents such as forms, newsletters, and multi-page documents.

OAD 130 ELECTRONIC CALCULATIONS 3 Hrs.
PREREQUISITE: None.

This course is designed to teach the touch system and problem solving methods of machine calculators. Emphasis is on basic mathematical functions. Upon completion, the student should be able to demonstrate an acceptable rate of speed and accuracy, as defined by the course syllabus to solve problems based on typical business applications.

OAD 131 BUSINESS ENGLISH 3 Hrs.
PREREQUISITE: None.

This course is designed to develop the student's ability to use proper English. Emphasis is on grammar, spelling, vocabulary, punctuation, word usage, word division, and proofreading. Upon completion, the student should be able to write and speak effectively.

OAD 133 BUSINESS COMMUNICATIONS 3 Hrs.
PREREQUISITE: OAD 131.

This course is designed to provide the student with skills necessary to communicate effectively. Emphasis is on the application of communication principles to produce clear, correct, logically-organized business communications. Upon completion, the student should be able to demonstrate effective communication techniques in written, oral, and nonverbal communication.

OAD 135 FINANCIAL RECORDKEEPING 3 Hrs.
PREREQUISITE: None.

This course is designed to provide the student with an understanding of accounting concepts, principles, and terminology. Emphasis is on the accounting cycle and equations as they relate to different types of business ownership. Upon completion, the student should be able to demonstrate accounting procedures used in a proprietorship, partnership, and corporation.

- OAD 136 ADVANCED FINANCIAL RECORDKEEPING** 3 Hrs.
 PREREQUISITE: None
 This course is designed to provide more in-depth principles and practices of the accounting cycle. Emphasis is on the preparation of financial records such as payroll records, vouchers, accruals, deferrals and related documents. Upon completion, the student should be able to demonstrate the ability to prepare and manage financial records and information, both manually and electronically.
- OAD 137 ELECTRONIC FINANCIAL RECORDKEEPING** 3 Hrs.
 PREREQUISITE: OAD 243 or CIS 286 and MTH 116 or MAH 101 or MTH 098 or MTH 100 or equivalent placement score.
 This course is designed to provide the student with skill in using the microcomputer to enter financial data through classroom instruction and outside lab. Emphasis is on the use of appropriate software in the preparation of journals, financial statements, and selected payroll records. Upon completion, the student will be able to demonstrate the ability to use a microcomputer system to record financial data.
- OAD 138 RECORDS AND INFORMATION MANAGEMENT** 3 Hrs.
 PREREQUISITE: None.
 This course is designed to give the student knowledge about managing office records and information. Emphasis is on basic filing procedures, methods, systems, supplies, equipment, and modern technology used in the creation, protection, and disposition of records stored in a variety of forms. Upon completion, the student should be able to perform basic filing procedures, both manually and electronically.
- OAD 200 BEGINNING MEDICAL TRANSCRIPTION** 3 Hrs.
 PREREQUISITE: OAD 103, BIO 120, and BIO 150
 This course is designed to orient students to operating a transcribing machine efficiently and on transcribing documents through classroom instruction and outside lab. Emphasis is placed on transcribing documents and operating a transcribing machine efficiently. Upon completion, the student should be able to accurately transcribe documents from dictated recordings.
- OAD 202 LEGAL TRANSCRIPTION** 3 Hrs.
 PREREQUISITE: OAD 103 and PRL 101.
 This course is designed to familiarize the student with legal terms and provide transcription skill development in the production of legal correspondence, forms, and court documents through classroom instruction and outside lab. Emphasis is on transcribing legal documents from dictated recordings. Upon completion, the student should be able to demonstrate the ability to accurately transcribe legal documents.
- OAD 212 INTERMEDIATE MEDICAL TRANSCRIPTION** 3 Hrs.
 PREREQUISITE: OAD 200.
 This course is designed to develop skill in the transcription of documents generated in the medical office through classroom instruction and outside lab. Emphasis is on transcribing medical records and operating a transcribing machine efficiently. Topics for reports include pathology, cardiology, and radiology. Upon completion, the student should be able to accurately transcribe medical documents from dictated recordings.
- OAD 213 ADVANCED MEDICAL TRANSCRIPTION** 3 Hrs.
 PREREQUISITE: OAD 212.
 This course is designed to develop marketable skills in transcribing dictated material through classroom instruction and outside lab. Emphasis is on transcribing medical records and operating a transcribing machine efficiently. Topics include radiology, gastrointestinal, and orthopedics. Upon completion, the student should be able to demonstrate proficiency in the preparation of a variety of reports and forms used in the medical environment.
- OAD 214 MEDICAL OFFICE PROCEDURES** 3 Hrs.
 PREREQUISITE: OAD 125/CIS 196A OR OAD 231/CIS 196C.
 This course is designed to provide an awareness of the responsibilities and opportunities of professional support personnel in a medical environment through classroom instruction and outside lab. Emphasis is on medical terms, the production of appropriate forms and reports, and the importance of office procedures and practices. Upon completion, the student should be able to perform support tasks required for employment in a medical environment.
- OAD 218 OFFICE PROCEDURES** 3 Hrs.
 PREREQUISITE: OAD 125/CIS 196A OR OAD 231/CIS 196C.
 This course is designed to develop an awareness of the responsibilities and opportunities of the office professional through classroom instruction and outside lab. Emphasis is on current operating functions, practices and procedures, work habits, attitudes, oral and written communications, and professionalism. Upon completion, the student should be able to demonstrate the ability to effectively function in an office support role.
- OAD 230 ELECTRONIC PUBLISHING** 3 Hrs.
 PREREQUISITE: OAD 101.
 This course is designed to introduce the student to the elements and techniques of page design, layout, and typography through classroom instruction and outside lab. Emphasis is on the use of current commercial desktop publishing software, graphic tools, and electronic input/output devices to design and print professional publications such as newsletters, brochures, catalogs, forms, and flyers. Upon completion, the student should be able to utilize proper layout and design concepts in the production of attractive desktop published documents.
- OAD 231 WORDPERFECT** 3 Hrs.
 PREREQUISITE: OAD 101.
 This course is designed to provide the student with basic word processing skills through classroom instruction and outside lab. Emphasis is placed on the utilization of software features to create, edit, and print common office documents. Upon completion, the student should be able to demonstrate the ability to use industry-standard software and generate appropriately formatted, accurate, and attractive business documents such as memos, letters, tables, and reports. The State Department of Education refers to this course as Office Applications.
- OAD 232 THE ELECTRONIC OFFICE** 3 Hrs.
 PREREQUISITE: OAD 125/CIS 196A OR OAD 231/CIS 196C OR CIS 146.
 Electronic Office is designed to work with each of the four Microsoft Office programs: Word, Excel, PowerPoint, and Access to create meaningful projects and perform business tasks. The student will learn how to streamline specific applications by integrating two or more of the Office programs, and how to use the

World Wide Web to gather information. Upon completion, the student should be able to demonstrate the ability to use industry-standard software and generate appropriately formatted, accurate, and attractive business documents.

OAD 233 TRENDS IN OFFICE TECHNOLOGY 3 Hrs.

This course is designed to address current trends in office technology through classroom instruction and outside lab. Emphasis is on technology relevant to the office environment such as electronic mail, multimedia interaction, presentation hardware and software, and Internet use. Upon completion, the student should be able to demonstrate an awareness of current technological applications for the modern office.

OAD 243 MICROSOFT EXCEL 3 Hrs.
PREREQUISITE: OAD 101

This course is designed to provide the student with a firm foundation in the use of computerized equipment and appropriate software in performing spreadsheet tasks through classroom instruction and outside lab. Emphasis is on spreadsheet terminology and design, common formulas, and proper file and disk management procedures. Upon completion, the student should be able to use spreadsheet features to design, format, and graph effective spreadsheets. The State Department of Education refers to this course as Spreadsheet Applications.

OAD 244 MICROSOFT ACCESS AND POWERPOINT 3 Hrs.
PREREQUISITE: OAD 101

Access is a computer program used to enter, maintain, and retrieve related data in a format known as a database. Upon completion, the student should be able to create a database, organize and update the data, prepare queries to find the needed information, and choose attractive and functional methods for viewing the information on screen and in printed reports.

PowerPoint is a presentation graphics program that is used to organize and present information directly from a computer or printed for distribution. Upon completion, the student should be able to prepare a PowerPoint presentation, modify a presentation, format slides, add visual appeal and animation to presentations, share and connect data, link and embed objects and files, and save a presentation as a Website. The State Department of Education refers to this course as Database Applications.

ORIENTATION (ORI)

ORI 101 ORIENTATION TO COLLEGE 1-2 Hrs.
PREREQUISITE: None.

This course aids new students in their transition to the institution; exposes new students to the broad educational opportunities of the institution; and integrates new students into the life of the institution.

PARALEGAL (PRL)

PRL 101 INTRODUCTION TO PARALEGAL STUDY 3 Hrs.
PREREQUISITE: None.

This course introduces the paralegal profession and the legal system. Topics include regulations and concepts, ethics, case analysis, legal reasoning, career opportunities, certification, professional organizations, and other related topics. Upon completion, the student should be able to explain the role of the paralegal and identify the skills, knowledge, and ethics required of legal assistants.

PRL 102 BASIC LEGAL RESEARCH AND WRITING 3 Hrs.
PREREQUISITE: None.

This course introduces the techniques of legal research and writing. Emphasis is placed on locating, analyzing, applying, and updating sources of law; effective legal writing, including proper citation; and the use of electronic research methods. Upon completion, the student should be able to perform legal research and writing assignments using techniques covered in the course.

PRL 103 ADVANCED LEGAL RESEARCH AND WRITING 3 Hrs.
PREREQUISITE: PRL 102.

This course covers advanced topics in legal research and writing. Topics include more complex legal issues and assignments involving preparation of legal memos, briefs, and other documents and the advanced use of electronic research methods. Upon completion, the student should be able to perform legal research and writing assignments using techniques covered in the course.

PRL 150 COMMERCIAL LAW 3 Hrs.
PREREQUISITE: None.

This course covers legally enforceable agreements, forms of organization, and selected portions of the Uniform Commercial Code. Topics include drafting and enforcement of contracts, leases, and related documents, and selection and implementation of business organization forms, sales, and commercial papers. Upon completion, the student should be able to apply the elements of a contract, prepare various business documents, and understand the role of commercial paper.

PRL 160 CRIMINAL LAW AND PROCEDURE 3 Hrs.
PREREQUISITE: None.

This course introduces substantive criminal law and procedural rights of the accused. Topics include elements of state/federal crimes, defenses, constitutional issues, pre-trial process, and other related topics. Upon completion, the student should be able to explain elements of specific crimes and assist an attorney in preparing a criminal case.

PRL 192 SELECTED TOPICS IN PARALEGAL I 3 Hrs.
PREREQUISITE: None.

This course provides an opportunity to explore areas of current interest in specific program or discipline areas. Emphasis is placed on subject matter appropriate to the program or discipline. Upon completion, the student should be able to demonstrate an understanding of the specific area of study.

PRL 220 CORPORATE LAW 3 Hrs.
PREREQUISITE: None.

This course covers the legal aspects of forming, operating, and maintaining a business. Emphasis is placed on the business corporation with additional coverage of sole proprietorships and partnerships. Upon completion, the student should be able to draft basic partnership and corporate documents and file these documents as required.

PRL 230 DOMESTIC LAW 3 Hrs.
PREREQUISITE: None.

This course covers laws governing domestic relations. Topics include marriage, separation, divorce, child custody, support, property division, adoption, domestic violence, and other related topics. Upon completion, the student should be able to interview clients, gather information, and draft documents related to family law.

PRL 240 WILLS, ESTATES AND TRUSTS 3 Hrs.

PREREQUISITE: None.

This course covers various types of wills, trusts, probate estate administration, and intestacy. Topics include types of wills and execution requirements, caveats and dissents, intestate succession, inventories and accountings, distribution and settlement, and other related topics. Upon completion, the student should be able to draft simple wills, prepare estate forms, understand administration of estates including taxation, and explain terms regarding trusts.

PRL 250 BANKRUPTCY AND COLLECTIONS 3 Hrs.

PREREQUISITE: None.

This course provides an overview of the laws of bankruptcy and the rights of creditors and debtors. Topics include bankruptcy procedures and estate management, attachment, claim and delivery, repossession, foreclosure, collection, garnishment, and post-judgment collection procedure. Upon completion, the student should be able to prepare and file bankruptcy forms, collection letters, statutory liens, and collection of judgments.

PRL 262 CIVIL LAW AND PROCEDURES 3 Hrs.

PREREQUISITE: None.

This course is designed to give the student a basic understanding of the federal rules of civil procedure and Alabama rules of court. The student will demonstrate the ability to prepare a trial notebook for litigation purposes.

PRL 270 WORKERS' COMPENSATION LAW 3 Hrs.

PREREQUISITE: None.

This course covers the process of initiating and handling workers' compensation claims. Emphasis is placed on reviewing and drafting relevant Industrial Commission forms. Upon completion, the student should be able to interview clients, gather information, and draft documents related to workers' compensation claims.

PRL 291 INTERNSHIP IN PARALEGALISM 3 Hrs.

PREREQUISITE: PRL 101 and PRL 102.

This course provides the student the opportunity to work in a paid or unpaid position in which he/she applies paralegal skills and knowledge. This course requires a minimum of 100 hours of practical experience in the legal field, including work in law offices, municipal courts, banks, insurance companies, governmental agencies, and with district and circuit court judges. Upon completion, the student will be able to apply in real-work settings competencies obtained in the PRL curriculum.

PHILOSOPHY (PHL)**PHL 106 INTRODUCTION TO PHILOSOPHY 3 Hrs.**

PREREQUISITE: None.

This course is an introduction to the basic concepts of philosophy. The literary and conceptual approach of the course is balanced with emphasis on approaches to ethical decision making. The student should have an understanding of major philosophical ideas in an historical survey from the early Greeks to the modern era.

PHL 206 ETHICS AND SOCIETY 3 Hrs.

PREREQUISITE: None.

This course involves the study of ethical issues which confront individuals in the course of their daily lives. The focus is on the fundamental questions of right and wrong, of human rights, and of conflicting obligations. The student should be able to understand and be prepared to make decisions in life regarding ethical issues.

PHYSICAL EDUCATION (PED)**PED 101 SLIMNASTICS (BEGINNING) 1 Hr.**

PREREQUISITE: None.

This course provides an individualized approach to physical fitness, wellness, and other health-related factors. Emphasis is placed on the scientific basis for setting up and engaging in personalized physical fitness programs. Upon completion, the student should be able to set up and implement an individualized physical fitness program. (Lecture will be provided with this activity.)

PED 102 SLIMNASTICS (INTERMEDIATE) 1 Hr.

PREREQUISITE: None.

This course is an intermediate-level slimnastics class. Topics include specific exercises contributing to fitness and the role exercise plays in developing body systems, nutrition, and weight control. Upon completion, the student should be able to implement and evaluate an individualized physical fitness program. (Lecture will be provided with this activity.)

PED 103 WEIGHT TRAINING (BEGINNING) 1 Hr.

PREREQUISITE: None.

This course introduces the basics of weight training. Emphasis is placed on developing muscular strength, muscular endurance, and muscle tone. Upon completion, the student should be able to establish and implement a personal weight training program. (Lecture will be provided with this activity.)

PED 104 WEIGHT TRAINING (INTERMEDIATE) 1 Hr.

PREREQUISITE: None.

This course covers advanced levels of weight training. Emphasis is placed on meeting individual training goals and addressing weight training needs and interests. Upon completion, the student should be able to establish and implement an individualized advanced weight training program. (Lecture will be provided with this activity.)

PED 105 PERSONAL FITNESS 1 Hr.

PREREQUISITE: None.

This course is designed to provide the student with information allowing him/her to participate in a personally developed fitness program. Topics include cardiovascular, strength, muscular endurance, flexibility, and body composition.

PED 106 AEROBICS 1 Hr.

PREREQUISITE: None.

This course introduces a program of cardiovascular fitness involving continuous, rhythmic exercise. Emphasis is placed on developing cardiovascular efficiency, strength, and flexibility, and on safety precautions. Upon completion, the student should be able to select and implement a rhythmic aerobic exercise program. (Lecture will be provided with this activity.)

PED 107 AEROBICS DANCE (BEGINNING) 1 Hr.

PREREQUISITE: None

This course introduces the fundamentals of step and dance aerobics. Emphasis is placed on basic stepping up, basic choreographed dance patterns, and cardiovascular fitness; and upper body, floor, and abdominal exercises. Upon completion, the student should be able to participate in basic dance aerobics. (Lecture will be provided with this activity.)

PED 108 AEROBICS DANCE (INTERMEDIATE) 1 Hr.

PREREQUISITE: None.

This course provides a continuation of step aerobics. Emphasis is placed on a wide variety of choreographed step and dance patterns; cardiovascular fitness; and upper body, abdominal, and floor exercises. Upon

- completion, the student should be able to participate in and design an aerobics routine. (Lecture will be provided with this activity.)
- PED 109 JOGGING 1 Hr.**
PREREQUISITE: None.
This course covers the basic concepts involved in safely and effectively improving cardiovascular fitness. Emphasis is placed on walking, jogging, or running as a means of achieving fitness. Upon completion, the student should be able to understand and appreciate the benefits derived from these activities.
- PED 118 GENERAL CONDITIONING (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course provides an individualized approach to general conditioning utilizing the five major components. Emphasis is placed on the scientific basis for setting up and engaging in personalized physical fitness and conditioning programs. Upon completion, the student should be able to set up and implement an individualized physical fitness and conditioning program. (Lecture will be provided with this activity.)
- PED 119 GENERAL CONDITIONING (INTERMEDIATE) 1 Hr.**
PREREQUISITE: None.
This course is an intermediate-level fitness and conditioning program class. Topics include specific exercises contributing to fitness and the role exercise plays in developing body systems. Upon completion, the student should be able to implement and evaluate an individualized physical fitness and conditioning program. (Lecture will be provided with this activity.)
- PED 123 GOLF (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course emphasizes the fundamentals of golf. Topics include the proper grips, stance, alignment, swings for the short and long game, putting, and the rules and etiquette of golf. Upon completion, the student should be able to perform the basic golf shots and demonstrate a knowledge of the rules and etiquette of golf.
- PED 124 GOLF (INTERMEDIATE) 1 Hr.**
PREREQUISITE: PED 123 or permission of instructor.
This course covers the more advanced phases of golf. Emphasis is placed on refining the fundamental skills and learning more advanced phases of the games such as club selection, trouble shots, and course management. Upon completion, the student should be able to demonstrate the knowledge and ability to play a recreational round of golf.
- PED 128 RACQUETBALL 1 Hr.**
PREREQUISITE: None.
This course introduces the fundamentals of racquetball. Emphasis is placed on rules, fundamentals, and strategies of beginning racquetball. Upon completion, the student should be able to play recreational racquetball.
- PED 130 HANDBALL 1 Hr.**
PREREQUISITE: None.
This course introduces the fundamentals of handball. Emphasis is placed on rules, fundamentals, and strategies of beginning handball. Upon completion, the student should be able to play recreational handball.
- PED 131 BADMINTON (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course covers the fundamentals of badminton. Emphasis is placed on the basics of serving, clears, drops, drives, smashes, and the rules and strategies of singles and doubles. Upon completion, the student should be able to apply these skills in playing situations.
- PED 133 TENNIS (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course emphasizes the fundamentals of tennis. Topics include basic strokes, rules, etiquette, and court play. Upon completion, the student should be able to play recreational tennis.
- PED 134 TENNIS (INTERMEDIATE) 1 Hr.**
PREREQUISITE: PED 133 or permission of instructor.
This course emphasizes the refinement of playing skills. Topics include continuing the development of fundamentals, learning advanced serves, and strokes and pace and strategies in singles and doubles play. Upon completion, the student should be able to play competitive tennis.
- PED 150 TAI CHI 1 Hr.**
PREREQUISITE: None.
Tai Chi is an ancient martial art from through which the student will improve flexibility, balance, strength, and mental discipline. By learning the slow and deliberate movements of Tai Chi, the student will also develop proper breathing and relaxation techniques and enhance joint flexibility. Tai Chi skills are a combination of stretching, isometrics, and isotonic movements in combination with diaphragmatic breathing and postural maintenance.
- PED 151 JUDO (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course introduces the basic discipline of judo. Topics include proper breathing, relaxation techniques, and correct body positions. Upon completion, the student should be able to demonstrate the procedures of judo.
- PED 152 JUDO (INTERMEDIATE) 1 Hr.**
PREREQUISITE: PED 151.
This course introduces more detailed aspects of the discipline of judo. Topics include breathing and physical postures, relaxation, and mental concentration. Upon completion, the student should be able to demonstrate advanced procedures of judo.
- PED 153 KARATE (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course introduces the martial arts using the Japanese Shotokan form. Topics include proper conditioning exercise, book control, proper terminology, historical foundations, and etiquette relating to karate. Upon completion, the student should be able to perform line drill techniques and Kata for various ranks.
- PED 154 KARATE (INTERMEDIATE) 1 Hr.**
PREREQUISITE: PED 153.
This course is a continuation of beginning Karate. Topics include proper conditioning exercise, book control, proper terminology, historical foundations, and etiquette relating to karate. Upon completion, the student should be able to perform line drill techniques and Kata for various ranks.
- PED 155 SELF DEFENSE 1 Hr.**
PREREQUISITE: None.
This course is designed to aid students in developing rudimentary skills in self-defense. Emphasis is placed on stances, blocks, punches, and kicks as well as non-physical means of self-defense. Upon completion, the student should be able to demonstrate basic self-defense techniques of a physical and non-physical nature.

- PED 157 FENCING (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course introduces the fundamentals of fencing. Emphasis is placed on grip, stance, and establishment of good techniques for attacks and parries. Upon completion, the student should be able to perform elementary foil techniques and demonstrate the basic skills of fencing.
- PED 158 FENCING (INTERMEDIATE) 1 Hr.**
PREREQUISITE: PED 157.
This course covers more advanced fencing techniques. Topics include advanced foil techniques and elementary sabre techniques. Upon completion, the student should be able to participate in competitive fencing.
- PED 159 KICKBOXING 1 Hr.**
PREREQUISITE: None.
This course develops cardiovascular muscular endurance and flexibility through the skill and techniques of kickboxing. The student will learn basic conditioning skills and fundamentals of kickboxing that will enhance his or her total fitness ability.
- PED 160 SOCIAL DANCE 1 Hr.**
PREREQUISITE: None.
This course introduces the fundamentals of popular social dances. Emphasis is placed on basic social dance techniques, dances, and a brief history of social dance. Upon completion, the student should be able to demonstrate specific dance skills and perform some dances.
- PED 163 SQUARE DANCING (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course introduces the terminology and skills necessary to perform square dancing. Topics include working from squared sets-squared circles to squared throughs, right and left throughs, and Dixie Chains. Upon completion, the student should be able to perform square dance routines and recognize the calls made for all formations.
- PED 164 SQUARE DANCING (INTERMEDIATE) 1 Hr.**
PREREQUISITE: PED 163 or permission of instructor.
This course includes additional variations and forms of square dancing. Topics include such routines as turns, grand swing, triple trades, wheel and deal, T-cup chain, and arky change. Upon completion, the student should be able to demonstrate and perform country and western square dance routines.
- PED 166 MODERN DANCE 1 Hr.**
PREREQUISITE: None.
This course introduces the fundamentals of modern dance. Emphasis is placed on basic modern dance techniques, dances, and a brief history of modern dance. Upon completion, the student should be able to demonstrate specific dance skills and perform some dances.
- PED 171 BASKETBALL (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course covers the fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, the student should be able to participate in recreational basketball.
- PED 172 BASKETBALL 1 Hr.**
PREREQUISITE: PED 171 or permission of instructor.
This course covers more advanced basketball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques.
- Upon completion, the student should be able to play basketball at a competitive level.
- PED 176 VOLLEYBALL (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course covers the fundamentals of volleyball. Emphasis is placed on the basics of serving, passing, setting, spiking, blocking, and the rules and etiquette of volleyball. Upon completion, the student should be able to participate in recreational volleyball.
- PED 177 VOLLEYBALL (INTERMEDIATE) 1 Hr.**
PREREQUISITE: PED 176 or permission of instructor.
This course covers more advanced volleyball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, the student should be able to participate in competitive volleyball.
- PED 178 SOCCER (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course introduces the basics of soccer. Emphasis is placed on rules, strategies, and fundamental skills. Upon completion, the student should be able to participate in recreational soccer.
- PED 179 SOCCER (INTERMEDIATE) 1 Hr.**
PREREQUISITE: PED 178 or permission of instructor.
This course introduces the basics of soccer. Emphasis is placed on rules, strategies, and advanced techniques, skills, and strategies. Upon completion, the student should be able to participate in introductory competitive soccer.
- PED 180 FLAG FOOTBALL 1 Hr.**
PREREQUISITE: None.
This course introduces the fundamentals and rules of flag football. Emphasis is placed on proper techniques and strategies for playing in game situations. Upon completion, the student should be able to participate in recreational flag football.
- PED 181 BASEBALL (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course covers the fundamentals of baseball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, the student should be able to participate in recreational baseball.
- PED 182 BASEBALL (INTERMEDIATE) 1 Hr.**
PREREQUISITE: None.
This course covers more advanced baseball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, the student should be able to play baseball at a competitive level.
- PED 186 SOFTBALL (BEGINNING) 1 Hr.**
PREREQUISITE: None.
This course introduces the fundamental skills and rules of softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, the student should be able to participate in recreational softball.
- PED 187 SOFTBALL (INTERMEDIATE) 1 Hr.**
PREREQUISITE: None.
This course presents advanced skills and competitive practice in softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, the student should be able to participate in competitive softball.

- PED 216 SPORTS OFFICIATING** 3 Hrs.
PREREQUISITE: None.
This course surveys the basic rules and mechanics of officiating a variety of sports, including both team and individual sports. In addition to class work, the student will receive at least 3 hours of practical experience in officiating.
- PED 223 METHODS OF INSTRUCTION** 3 Hrs.
PREREQUISITE: None.
This course provides instruction for the student on specialized teaching techniques in becoming a wellness exercise instructor. The student will learn the basics of instruction in the area of aerobic types of exercise and weight training. This course will enable the student to instruct as well as supervise these types of programs. The student will learn basic anatomy and exercise physiology as it applies to the movement of the body during exercise. This course will address and explain safety and teaching methods for the exercise instructor in the development of a comprehensive fitness program.
- PED 236 CANOEING** 1 Hr.
PREREQUISITE: None.
This course provides basic instruction for the beginning canoeist. Emphasis is placed on safe and correct handling of the canoe and rescue skills. Upon completion, the student should be able to demonstrate basic canoeing, safe-handling, and self-rescue skills.
- PED 245 CYCLING** 1 Hr.
PREREQUISITE: None.
This course is designed to promote physical fitness through cycling. Emphasis is placed on selection and maintenance of the bicycle, gear shifting, pedaling techniques, safety procedures, and conditioning exercises necessary for cycling. Upon completion, the student should be able to demonstrate safe handling of a bicycle for recreational use.
- PED 251 VARSITY BASKETBALL** 1 Hr.
PREREQUISITE: Permission of instructor.
This course covers advanced fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, the student should be able to participate in competitive basketball.
- PED 252 VARSITY BASEBALL** 1 Hr.
PREREQUISITE: Permission of instructor.
This course covers advanced baseball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, the student should be able to play baseball at a competitive level.
- PED 254 VARSITY SOFTBALL** 1 Hr.
PREREQUISITE: Permission of instructor.
This course introduces the fundamental skills and rules of softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, the student should be able to play competitive softball.
- PED 255 VARSITY TENNIS** 1 Hr.
PREREQUISITE: Permission of instructor.
This course emphasizes the refinement of playing skills. Topics include continuing the development of fundamentals, learning advanced serves, and strokes and pace, and strategies in singles and doubles play. Upon completion, the student should be able to play competitive tennis.
- PED 257 VARSITY CHEERLEADING** 1 Hr.
PREREQUISITE: Permission of instructor.
This course covers advanced co-ed cheerleading techniques. Emphasis is placed on refining skills and improving all areas related to co-ed cheerleading including: knowledge of safety techniques, partner stunts, tumbling, basket tosses, pyramids, motions, physical conditioning, and mental preparation. Upon completion, the student should be able to participate in a competitive program at the university level.
- PED 258 VARSITY VOLLEYBALL** 1 Hr.
PREREQUISITE: Permission of instructor.
This course covers more advanced volleyball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, the student should be able to participate in competitive volleyball.
- PED 295 PRACTICUM IN PHYSICAL EDUCATION** 1-3 Hrs.
PREREQUISITE: PED 223.
This course is designed to provide field experience in observation and assistance in the student's area of specialization. The student will work under the supervision of trained physical education teachers.
- PHYSICAL SCIENCE (PHS)**
- PHS 112 PHYSICAL SCIENCE II** 4 Hrs.
PREREQUISITE: None.
This course provides the non-technical student with an introduction to the basic principle of chemistry and physics. Laboratory is required.
- PHYSICS (PHY)**
- PHY 201 GENERAL PHYSICS I -TRIG BASED** 4 Hrs.
PREREQUISITE: MTH 113 OR equivalent mathematics placement score.
This course is designed to cover general physics at a level that assures previous exposure to college algebra, and basic trigonometry. Specific topics include mechanics, properties of matter and energy, thermodynamics, and periodic motion. Laboratory is required.
- PHY 202 GENERAL PHYSICS II-TRIG BASED** 4 Hrs.
PREREQUISITE: PHY 201.
This course is designed to cover general physics using college algebra and basic trigonometry. Specific topics include wave motion, sound, light optics, electrostatics, circuits, magnetism, and modern physics. Laboratory is required.
- PHY 213 GENERAL PHYSICS WITH CAL I** 4 Hrs.
PREREQUISITE: MTH 125.
This course provides a calculus-based treatment of the principle subdivisions of classical physics: mechanics and energy, including thermodynamics. Laboratory is required.
- PHY 214 GENERAL PHYSICS WITH CAL II** 4 Hrs.
PREREQUISITE: PHY 213.
This course provides a calculus-based study in classical physics. Topics included are: simple harmonic motion, waves, sound, light, optics, electricity, and magnetism. Laboratory is required.
- POLITICAL SCIENCE (POL)**
- POL 200 INTRODUCTION TO POLITICAL SCIENCE** 3 Hrs.
PREREQUISITE: None.
This course is an introduction to the field of political science through examination of the fundamental principles, concepts, and methods of the discipline, and the basic political processes and institutions

of organized political systems. Topics include approaches to political science, research methodology, the state, government, law, ideology, organized political influences, governmental bureaucracy, problems in political democracy, and international politics. Upon completion, the student should be able to identify, describe, define, analyze, and explain relationships among the basic principles and concepts of political science and political processes and institutions of contemporary political systems.

POL 211 AMERICAN NATIONAL GOVERNMENT 3 Hrs.
PREREQUISITE: None.

This course surveys the background, constitutional principles, organization, and operation of the American political system. Topics include the U. S. Constitution, federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting behavior, elections, the presidency, bureaucracy, Congress, and the justice system. Upon completion, the student should be able to identify and explain relationships among the basic elements of American government and function as more informed participants of the American political system.

POL 236 SURVEY OF INTERNATIONAL RELATIONS 3 Hrs.
PREREQUISITE: None.

This course is a survey of the basic forces affecting international relations. Topics include bases of national power, balance of power, causes of war, the international political economy, international law, international organization, and possible futures of international relations. Upon completion, the student should be able to identify and discuss relevant terms and concepts, and identify, analyze, evaluate, and discuss the primary factors influencing the international relations of selected states.

PSYCHOLOGY (PSY)

PSY 106 CAREER EXPLORATION 1 Hr.
PREREQUISITE: None.

This course is designed for the student to explore potential career fields. This course includes an assessment, through testing of strengths and weaknesses, general information about careers and job skills, value and decision making techniques, and a career research.

PSY 107 STUDY SKILLS 1 Hr.
PREREQUISITE: None.

In this course, emphasis is placed on the skills of "how to study". The course introduces the student to effective techniques for listening in class, note taking, preparation for test taking, and an overall system of successful study.

PSY 108 STRESS MANAGEMENT 2 Hrs.
PREREQUISITE: None.

This course is designed to improve the stress management skills of the student. Stress management techniques will be described and evaluated and the relationship between stress and disease will be discussed.

PSY 200 GENERAL PSYCHOLOGY 3 Hrs.
PREREQUISITE: None.

This course is a survey of behavior with emphasis upon psychological processes. This course includes the biological bases for behavior, thinking, emotion, motivation, and the nature and development of personality.

PSY 207 PSYCHOLOGY OF ADJUSTMENT 3 Hrs.
PREREQUISITE: None.

This course provides an understanding of the basic principles of mental health and an understanding of the individual modes of behavior.

PSY 210 HUMAN GROWTH AND DEVELOPMENT 3 Hrs.
PREREQUISITE: PSY 200.

This course is the study of the psychological, social, and physical factors that affect human behavior from conception to death.

PSY 220 HUMAN SEXUALITY 3 Hrs.
PREREQUISITE: None.

This course is a comprehensive and integrated approach to human sexuality emphasizing biological, psychological, social, and emotional aspects.

PSY 230 ABNORMAL PSYCHOLOGY 3 Hrs.
PREREQUISITE: PSY 200.

This course is a survey of abnormal behavior and its social and biological origins. The anxiety related disorders, psychoses, personality disorders, and mental deficiencies will be covered.

READING (RDG)

RDG 083 DEVELOPMENTAL READING I 4 Hrs.
PREREQUISITE: None.

This course is designed to assist the student whose placement test scores indicate difficulty with decoding skills, comprehension, vocabulary, and study skills.

RDG 084 DEVELOPMENTAL READING II 4 Hrs.
PREREQUISITE: RDG 083 or equivalent placement score.

This course is designed to assist the student whose placement test scores indicate difficulty with decoding skills, comprehension, vocabulary, and study skills.

RDG 085 DEVELOPMENTAL READING III 4 Hrs.
PREREQUISITE: RDG 084 or equivalent placement score.

This course is designed to assist the student whose placement test scores indicate difficulty with decoding skills, comprehension, vocabulary, and study skills.

RDG 114 CRITICAL READING FOR COLLEGE 3 Hrs.
PREREQUISITE: RDG 085 or equivalent placement score.

This course is designed to enhance critical reading skills. Topics include vocabulary enrichment, reading flexibility, metacognitive strategies, and advanced comprehension skills, including analysis and evaluation. Upon completion, the student should be able to demonstrate comprehension and analysis and respond effectively to material across disciplines.

REAL ESTATE (RLS)

RLS 101 REAL ESTATE PRINCIPLES 4 Hrs.
PREREQUISITE: None.

This is an introductory real estate course providing the necessary terminology, background, and understanding of real estate principles. Topics include history of property ownership, real estate finance, real estate law, and the mechanics of listing and closing the sale. This course is designed to assist those preparing for the real estate salesman's licensing examination in Alabama.

RECREATION (REC)

- REC 231 HEALTH AND FITNESS CLUB MANAGEMENT** 3 Hrs.
PREREQUISITE: None.
This course is designed to introduce the student to all facets of proper management of a modern fitness facility.
- REC 232 HEALTH AND FITNESS CLUB INTERNSHIP** 3 Hrs.
PREREQUISITE: None.
This course covers the elements of advertising and sales promotion in the business environment. Topics include advertising and sales promotion appeals, selection of media, use of advertising and sales promotion as a marketing tool, and means of testing effectiveness. Upon completion, the student should be able to demonstrate an understanding of the concepts covered through application.

RELIGION (REL)

- REL 151 SURVEY OF THE OLD TESTAMENT** 3 Hrs.
PREREQUISITE: None.
This course is an introduction to the content of the Old Testament with emphasis on the historical context and contemporary theological and cultural significance of the Old Testament. Upon completion, the student should have an understanding of the significance of the Old Testament writings.
- REL 152 SURVEY OF THE NEW TESTAMENT** 3 Hrs.
PREREQUISITE: None.
This course is a survey of the books of the New Testament with special attention focused on the historical and geographical setting. Upon Completion, the student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings.

RESPIRATORY (RPT)

- RPT 210 CLINICAL PRACTICE I** 2 Hrs.
PREREQUISITE: BIO 201, ENG 101, MTH 100, CIS 146, RPT 256 and acceptance into the Respiratory Therapist Program
COREQUISITE: BIO 202, RPT 211, RPT 212, RPT 213, and RPT 214
This clinical course provides for initial hospital orientation and development of general patient assessment and communication skills required for safe and effective patient care. Emphasis is placed upon application of classroom and laboratory experiences within the clinical environment. Upon completion, students should demonstrate adequate psychomotor skills and cognitive abilities necessary for initial patient contact and safe and effective performance of basic respiratory care procedures.
- RPT 211 INTRODUCTION TO RESPIRATORY CARE** 2 Hrs.
PREREQUISITE: BIO 201, ENG 101, MTH 100, CIS 146, RPT 256 and acceptance into the Respiratory Therapist Program
COREQUISITE: BIO 202, RPT 210, RPT 212, RPT 213, and RPT 214
This course is designed to acquaint the student with responsibilities of the respiratory care practitioner (RCP) as a member of the health care team. Areas of emphasis include: history of the profession, credentialing mechanism, licensure, medical ethics, communication skills, basic medical terminology, and patient assessment. Upon completion, students should be able to demonstrate effective communication skills, proper use of aseptic technique, deference

to appropriate professional ethics and behavior, and be able to perform basic patient assessment.

- RPT 212 FUNDAMENTALS OF RESPIRATORY CARE I** 4 Hrs.
PREREQUISITE: BIO 201, ENG 101, MTH 100, CIS 146, RPT 256 and acceptance into the Respiratory Therapist Program
COREQUISITE: BIO 202, RPT 210, RPT 211, RPT 213, and RPT 214
A fundamental course which presents the scientific basis for respiratory care procedures and application of basic chemistry and physics as related to compressed gases and respiratory care equipment operation. Experimental laboratory is required and emphasis includes: design, functional characteristics, and operation of commonly encountered respiratory care equipment, use of medical gases and applied chemistry, physics, and mathematics. Upon completion, the student should be able to demonstrate an adequate knowledge base concerning function and troubleshooting of respiratory care equipment and concepts of applied physics, chemistry, and mathematics.
- RPT 213 ANATOMY AND PHYSIOLOGY FOR THE RCP** 3 Hrs.
PREREQUISITE: BIO 201, ENG 101, MTH 100, CIS 146, RPT 256 and acceptance into the Respiratory Therapist Program
COREQUISITE: BIO 202, RPT 210, RPT 211, RPT 212, and RPT 214
This course provides detailed lecture and audio-visual presentations which concentrate on the cardiopulmonary and renal systems. Emphasis is placed on structure, function, and physiology of the cardiopulmonary and renal systems and the role each plays in the maintenance of homeostasis. Upon completion, the student should be able to demonstrate adequate knowledge of the structure, function, and physiology of the cardiopulmonary and renal systems.
- RPT 214 PHARMACOLOGY FOR THE RCP** 2 Hrs.
PREREQUISITE: BIO 201, ENG 101, MTH 100, CIS 146, RPT 256 and acceptance into the Respiratory Therapist Program
COREQUISITE: BIO 202, RPT 210, RPT 211, RPT 212, and RPT 213
This course is a detailed study of drugs encountered in respiratory care practice and the function of the autonomic nervous system. Areas of emphasis include: determination of drug dosage, applied mathematics, clinical pharmacology, indications, hazards, intended actions, and side-effects of agents used in respiratory care. Upon completion, the student should be able to complete a dosage calculation test with 90% proficiency, and demonstrate an adequate understanding of the clinical pharmacology of respiratory care drugs, and the general principles of pharmacology.
- RPT 220 CLINICAL PRACTICE II** 2 Hrs.
PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, and RPT 256
COREQUISITE: PSY 200, RPT 221, RPT 222, RPT 223, and RPT 234
This course is a continuation of RPT 210 Clinical Practice I and allows the student to continue integration of classroom and laboratory instruction into the clinical practice of respiratory care. Areas of emphasis include: bedside patient assessment techniques, airway care, hyperinflation therapy, protocol implementation, development of patient care plans, oxygen, humidity, and aerosol administration, and an introduction to management of the mechanical ventilation of the

adult. Upon completion, the student should be able to demonstrate appropriate psychomotor skills and cognitive abilities necessary to successfully function as primary care giver for routine respiratory care procedures.

RPT 221 PATHOLOGY FOR THE RCP I 3 Hrs.
PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, and RPT 256
COREQUISITE: PSY 200, RPT 220, RPT 222, RPT 223, and RPT 234

This course is a survey of commonly encountered diseases and disorders which may affect the function of the cardiopulmonary system, and the clinical manifestations and treatment rationales as related to respiratory care practice. Practical laboratory is required and course emphasis is placed upon the application of sound diagnostic techniques in the gathering of data in support of diagnosis of specific disease entities as well as progression of pathological changes in cardiopulmonary function. Upon completion, the student should be able to demonstrate the ability to gather appropriate information from various sources in support of diagnosis of specific cardiopulmonary disease as well as an adequate understanding of cardiopulmonary pathology.

RPT 222 FUNDAMENTALS OF RESPIRATORY CARE II 4 Hrs.
PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, and RPT 256
COREQUISITE: PSY 200, RPT 220, RPT 221, RPT 223, and RPT 234

This course is a continuation of RPT 212 and continues to present the scientific basis for selected respiratory care procedures. Experimental laboratory is required and areas of emphasis include: therapeutic techniques utilized in bronchial hygiene, hyperinflation therapy, mechanical ventilation of the adult, manual resuscitation equipment, the equipment utilized in bedside assessment and mechanical ventilation. Upon completion, the student should be able to demonstrate the cognitive abilities and psychomotor skills required to perform the procedures presented.

RPT 223 ACID BASE REGULATION AND ABG ANALYSIS 2 Hrs.
PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, and RPT 256
COREQUISITE: PSY 200, RPT 220, RPT 221, RPT 222, and RPT 234

This course provides the student with lecture and audiovisual presentation of material essential to the understanding of acid/base physiology and arterial blood gas interpretation. Emphasis is placed upon ABG sampling technique, quality assurance, basic chemistry as related to acid/base balance, evaluation of oxygen transport, and the role of the respiratory and renal systems in maintenance of homeostasis. Upon completion, the student should be able to demonstrate an understanding of the fundamental concepts of acid/base balance and regulation of homeostasis by the respiratory and renal systems.

RPT 230 CLINICAL PRACTICE III 2 Hrs.
PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, RPT 234, RPT 242, and RPT 256
COREQUISITE: RPT 240, RPT 241, RPT 243, RPT 244, and RPT 266

This course, the third course in the clinical sequence, is designed to allow the student to function in the role of primary care giver. Emphasis is placed upon mastery of basic respiratory care procedures, administra-

tion of aerosol drugs, and care of the patient receiving mechanical ventilation. Upon completion, the student should be able to demonstrate psychomotor skills and cognitive abilities necessary to function safely and effectively in the role of primary care giver.

RPT 231 PATHOLOGY FOR THE RCP II 3 Hrs.
PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, RPT 234, and RPT 256
COREQUISITE: RPT 232, RPT 233, and RPT 242

A continuation of RPT 221, this course continues to present specific disease entities which may impair cardiopulmonary function. Laboratory study is directed toward diagnostic techniques and course emphasis is placed upon etiology, diagnosis, prognosis, and treatment rationale for each medical problem presented. Upon completion, the student should be able to demonstrate the cognitive abilities necessary to integrate clinical and laboratory data obtained from various sources in support of the diagnosis and treatment of the specific disease entities presented.

RPT 232 DIAGNOSTIC PROCEDURES FOR THE RCP 2 Hrs.
PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, RPT 234, and RPT 256
COREQUISITE: SPH 106 or higher, RPT 231, RPT 233, and RPT 242

This course is a lecture course designed to present the value of various procedures as an aid to diagnosis in cardiopulmonary disease. Course emphasis is placed upon procedures such as complete pulmonary function testing, bronchoscopy, cardiac diagnostic procedures, and ventilation/perfusion studies. Upon completion, the student should be able to demonstrate the psychomotor and cognitive abilities necessary to perform routine diagnostic procedures.

RPT 233 SPECIAL PROCEDURES FOR THE RCP 2 Hrs.
PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, and RPT 234
COREQUISITE: SPH 106 or higher, RPT 231, RPT 232, and RPT 242

This course presents special procedures and medical specialties and identifies various tasks required of the RCP while functioning in an assistive role to the physician. Course emphasis is placed upon phlebotomy, bronchoscopy, hemodynamic assessment, and advanced cardiopulmonary monitoring techniques. Upon completion, the student should be able to demonstrate cognitive and psychomotor abilities necessary to perform assistive functions during the various procedures presented.

RPT 234 MECHANICAL VENTILATION FOR THE RCP 3 Hrs.
PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, and RPT 256
COREQUISITE: PSY 200, RPT 220, RPT 221, RPT 222, and RPT 223

This course continues and expands the presentation of material concerning mechanical ventilation as previously introduced in RPT 222 to include indications, modification, and discontinuance of mechanical ventilation. Laboratory is required and course emphasis is placed upon the application of scientific principles to the clinical use of various modes of mechanical ventilation. Upon completion, the student should be able to demonstrate the cognitive and psychomotor skills required to effectively institute and maintain various methods of mechanical ventilation.

- RPT 240 CLINICAL PRACTICE IV 4 Hrs.**
 PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, RPT 231, RPT 232, RPT 233, RPT 234, RPT 242, and RPT 256
 COREQUISITE: RPT 230, RPT 241, RPT 243, RPT 244, and RPT 266
 This course, the last in the required clinical sequence, provides opportunities for the student to further refine clinical skills. Course emphasis is placed upon critical care, neonatal mechanical ventilation, home care and discharge planning. Upon completion, the student should be able to demonstrate the cognitive and psychomotor skills required to function in the role of advanced respiratory care practitioner.
- RPT 241 REHABILITATION AND HOME CARE FOR THE RCP 2 Hrs.**
 PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, RPT 231, RPT 232, RPT 233, RPT 234, RPT 242, and RPT 256
 COREQUISITE: RPT 230, RPT 240, RPT 243, RPT 244, and RPT 266
 This course presents special considerations which apply to rehabilitation and home care of the patient with cardiopulmonary disorders. Emphasis is placed upon the role of the RCP within the home care medical community and modification of techniques and procedures necessary for effective home care. Upon completion, the student should be able to demonstrate an understanding of discharge planning and disease management protocols as applied to rehabilitation and the continuation of effective respiratory care in the home environment.
- RPT 242 PERINATAL/PEDIATRIC RESPIRATORY CARE 3 Hrs.**
 PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, and RPT 234,
 COREQUISITE: SPH 106 or higher, RPT 231, RPT 232, and RPT 233,
 This course presents the unique requirement for appropriate delivery of respiratory care to the neonatal and pediatric patient. Experimental laboratory is required and course emphasis is placed upon a detailed outline of fetal lung development, fetal circulation, neonatal cardiopulmonary disorders, and specialized equipment and techniques, as well as general considerations of provision of care to neonatal and pediatric patients. Upon completion, the student should be able to demonstrate the cognitive and psychomotor skills required for safe and effective delivery of respiratory care to the neonatal and pediatric patient.
- RPT 243 COMPUTER APPLICATIONS FOR THE RCP 2 Hrs.**
 PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, RPT 231, RPT 232, RPT 233, RPT 234, RPT 242, and RPT 256
 COREQUISITE: RPT 230, RPT 240, RPT 241, RPT 244, and RPT 266
 This course is designed to allow the student practice utilizing computer assisted clinical simulation software as well as allow for a general program review in preparation for credentialing examinations. Emphasis is placed on development of critical thinking skills, specific to the discipline, and development of computer literacy. Upon completion, the student should be able to demonstrate computer literacy and satisfactory performance on nationally standardized comprehensive self-assessment examinations.
- RPT 244 CRITICAL CARE CONSIDERATIONS FOR THE RCP 2 Hrs.**
 PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, RPT 231, RPT 232, RPT 233, RPT 234, RPT 242, and RPT 256
 COREQUISITE: RPT 230, RPT 240, RPT 241, RPT 243, and RPT 266
 This course provides for continued discussion concerning the monitoring and maintenance of patients who are treated in the critical care area of an acute care hospital. Course emphasis is placed upon advanced monitoring and assessment techniques employed in the treatment of the critical care patient. Upon completion, the student should be able to demonstrate increased cognitive abilities in the area of course emphasis.
- RPT 256 WRITINGS AND RESEARCH FOR THE RCP I 1 Hr.**
 PREREQUISITE: MTH 100 and ENG 101, (Permission of the instructor if taken during the fall semester)
 COREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, and RPT 214 (if taken during the fall semester)
 This elective course is provided to allow for independent research on a topic of special interest within the field of respiratory care. A written narrative of research activities or a literature research paper is required. Upon completion, the student should be able to effectively communicate in written narrative form the results of independent study.
- RPT 266 SEMINAR IN RESPIRATORY MEDICINE I 1 Hr.**
 PREREQUISITE: RPT 210, RPT 211, RPT 212, RPT 213, RPT 214, RPT 220, RPT 221, RPT 222, RPT 223, RPT 231, RPT 232, RPT 233, RPT 234, RPT 242, and RPT 256
 COREQUISITE: RPT 230, RPT 240, RPT 241, RPT 243, and RPT 244
 This elective course is a series of physician lectures designed to present topics of special interest to the student or practitioner. Emphasis is placed upon current medical practice within the field of pulmonary medicine and cardiology. Upon completion, the student should be able to demonstrate an increased knowledge base concerning the topics of special interest presented.
- SPANISH (SPA)**
- SPA 101 INTRODUCTORY SPANISH I 4 Hrs.**
 PREREQUISITE: None.
 This course provides an introduction to Spanish. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas.
- SPA 102 INTRODUCTORY SPANISH II 4 Hrs.**
 PREREQUISITE: SPA 101.
 This continuation course includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas.
- SPEECH (SPH)**
- SPC 100 FUNDAMENTALS OF SPEECH COMMUNICATIONS 1 Hr.**
 PREREQUISITE: None.
 This performance course includes the study of the principles of human communication: intrapersonal, interpersonal, and public. It surveys communication theory and provides practical application.

- SPH 106 FUNDAMENTALS OF ORAL COMMUNICATION** 3 Hrs.
PREREQUISITE: ENG 092 or equivalent placement in ENG 093.
COREQUISITE: ENG 093 or COM 100.
Fundamentals of Oral Communication is a performance course that includes the principles of human communication: intrapersonal, interpersonal, and public. This course surveys current communication theory and provides practical application.
- SPH 107 FUNDAMENTALS OF PUBLIC SPEAKING** 3 Hrs.
PREREQUISITE: ENG 093 or equivalent placement in ENG 101.
COREQUISITE: ENG 101.
This course explores principles of audience and environment analysis as well as the actual planning, rehearsing, and presenting of formal speeches to specific audiences. Historical foundations, communication theories, and student performances are emphasized.
- SPH 108 VOICE AND DICTION** 3 Hrs.
PREREQUISITE: None.
This course provides training for improvement in use of the speaking voice. Attention is focused on range, flexibility, clarity of articulation, and standards of pronunciation with individual help in the correction of faulty speech habits. A study of the International Phonetic Alphabet is included.
- SPH 116 INTRODUCTION TO INTERPERSONAL COMMUNICATION** 3 Hrs.
PREREQUISITE: ENG 092 or equivalent placement score.
COREQUISITE: ENG 093 or COM 100.
This course is an introduction to the basic principles of interpersonal communication.
- SPH 123/125 FORENSICS WORKSHOP I-II-III** 1-3 Hrs.
PREREQUISITE: Permission of Instructor.
These courses offer experience in speech activities such as debate, discussion, oral interpretation, extemporaneous speaking, and original oratory. The student is required to participate in scheduled intercollegiate speech tournaments.
- SPH 206 ORAL INTERPRETATION** 3 Hrs.
PREREQUISITE: None.
This course is designed to help students develop specific skills in the analysis and oral interpretation of poetry, prose, and drama. It includes a study of the elements of oral communication such as imagery, structure, and dramatic timing. Opportunity is given for public/classroom performance of literature.
- SPH 217 ELEMENTS OF PERSUASION** 3 Hrs.
PREREQUISITE: SPH 107.
This course is an advanced study and practice of the elements of persuasive speaking begun in SPH 106 and SPH 107.
- SPH 227 ARGUMENTATION AND DEBATE** 3 Hrs.
PREREQUISITE: SPH 107.
This course introduces argumentation and debate and methods of bringing reasoned discourse to bear on personal and social problems. It includes investigations into the various types of debates with emphasis on the use of evidence, logic, responsibility of the advocate, and the composition of language for oral controversy.
- SOCIOLOGY (SOC)**
- SOC 200 INTRODUCTION TO SOCIOLOGY** 3 Hrs.
PREREQUISITE: None.
This course is an introduction to the vocabulary, concepts, and theory of sociological perspectives of human behavior.
- SOC 207 INTRODUCTION TO THE FIELDS OF SOCIAL WORK PRACTICE** 3 Hrs.
PREREQUISITE: None.
This course introduces the student to an overview of the many and varied roles in which social workers function in today's society. It reviews the historical development of the fields of practice and the profession's code of ethics, and covers current national and local issues. Fifteen hours of volunteer work outside of class are required. (Transfers to UA as SW 100 Introduction to the Fields of Social Work Practice)
- SOC 210 SOCIAL PROBLEMS** 3 Hrs.
PREREQUISITE: SOC 200.
This course examines the social and cultural aspects, influences, incidences, and characteristics of current social problems in light of sociological theory and research.
- SOC 247 MARRIAGE AND THE FAMILY** 3 Hrs.
PREREQUISITE: None
This course is a study of family structures and families in a modern society. It covers preparation for marriage, as well as sociological, psychological, biological, and financial factors relevant to success in marriage and family life.
- SOC 296 DIRECTED STUDIES IN SOCIOLOGY** 1 -3 Hrs.
PREREQUISITE: SOC 200.
This course provides the student with opportunities to have "hands-on" experience with research methods used in the behavioral sciences or to complete directed readings under faculty supervision.
- THEATRE (THR)**
- THR 113 THEATRE WORKSHOP I** 1 Hr.
PREREQUISITE: None.
This is the first in a six-course sequence which provide practical experience in the production and performance of a dramatic presentation with assignments in scenery, lighting, props, choreography, sound, costumes, make-up, publicity, acting, directing, and other aspects of theatre production.
- THR 114 THEATRE WORKSHOP II** 1 Hr.
PREREQUISITE: THR 113.
This course is a continuation of THR 113.
- THR 115 THEATRE WORKSHOP III** 1 Hr.
PREREQUISITE: THR 114.
This course is a continuation of THR 114.
- THR 120 THEATRE APPRECIATION** 3 Hrs.
PREREQUISITE: None.
This course is designed to increase appreciation of contemporary theater. Emphasis is given to the theater as an art form through the study of history and theory of drama and the contributions to modern media. This course places emphasis on playwright, actor, director, designer, and technician to modern media. Attendance at theater productions may be required.
- THR 126 INTRODUCTION TO THEATRE** 3 Hrs.
PREREQUISITE: None.
This course is designed to teach the history of the theater and the principles of drama. It also covers the development of theater production and the study of

selected plays as theatrical presentations. Attendance at theater productions may be required.

- THR 131 ACTING TECHNIQUES I** 3 Hrs.
PREREQUISITE: None.
This is the first of a two-course sequence in which the student will focus on the development of the body and voice as the performing instruments in acting. Emphasis is placed on pantomime, improvisation, acting exercises, and building characterizations in short acting scenes.
- THR 132 ACTING TECHNIQUES II** 3 Hrs.
PREREQUISITE: THR 131.
This course is a continuation of THR 131.
- THR 213 THEATRE WORKSHOP IV** 2 Hrs.
PREREQUISITE: THR 115.
These courses are a continuation of THR 113, 114, and 115.
- THR 214 THEATRE WORKSHOP V** 2 Hrs.
PREREQUISITE: THR 213.
This course is a continuation of THR 113, 114, and 115.
- THR 215 THEATRE WORKSHOP VI** 2 Hrs.
PREREQUISITE: THR 214.
This course is a continuation of THR 113, 114, 115, and 214.
- THR 216 THEATRICAL MAKE-UP** 2 Hrs.
PREREQUISITE: None.
This course is a study of the materials and techniques of theatrical make-up.
- THR 236 STAGECRAFT** 3 Hrs.
PREREQUISITE: Permission of Instructor.
This course is a study of the principles, techniques, and materials in theatrical scenery and lighting.
- THR 241 VOICE AND SPEECH FOR THE PERFORMER** 3 Hrs.
PREREQUISITE: None
This is a beginning course in the effective and healthy use of the vocal instrument for performance. It is designed to approach both the physical and mental processes of vocal production and includes the following: learning a physical/vocal warmup, dialect reduction, articulation, class performance and written exams.
- THR 266 FUNDAMENTALS OF DIRECTING** 3 Hrs.
PREREQUISITE: None.
This course is designed to cover the fundamentals of directing. Instruction will include lectures, demonstration, written and oral analysis of scripts and performances.
- THR 281 STAGE MOVEMENT I** 1 Hr.
PREREQUISITE: None.
This is the first in a two-course sequence which offer the student a basic introduction to movement for the stage for those interested in acting or dance. They also include consideration of role development through movement.
- THR 282 STAGE MOVEMENT II** 1 Hr.
PREREQUISITE: THR 281.
This course is a continuation of THR 281.
- THR 296 DIRECTED STUDIES IN THEATRE** 2 Hrs.
PREREQUISITE: Permission of instructor.
This course deals with problems in theater and art management. Problems may be arranged in conjunction with other disciplines in the Fine Arts.

TRUCK DRIVING (TRK)

- TRK 111 BASIC VEHICLE OPERATION** 4 Hrs.
PREREQUISITE: None.
COREQUISITE: TRK112 and TRK113.
This course introduces the student to the fundamentals of becoming a professional commercial motor vehicle driver. Topics include orientation, control systems, vehicle inspections and reporting, basic control, shifting, backing, coupling and uncoupling, proficiency development, and special rigs. Upon completion, the student should demonstrate proficiency in skill field tasks and pre-trip inspections to Commercial Drivers License standards.
- TRK 112 SAFE OPERATING PRACTICES** 3 Hrs.
PREREQUISITE: None.
COREQUISITE: TRK111 and TRK113.
This course offers proper defensive driving techniques applicable to the commercial motor vehicle driver and involves the interaction between the student/vehicle and the highway traffic environment. Topics include visual search, communication, speed and space management, night operation, extreme driving conditions, and proficiency development. Upon completion, the student should demonstrate basic operating skills that ensure safety of the driver and other vehicle operators to Commercial Drivers License standards.
- TRK 113 NONVEHICLE ACTIVITIES** 2 Hrs.
PREREQUISITE: None.
COREQUISITE: TRK111 and TRK112.
This course focuses on activities not directly related to the vehicle itself, but that are related to the potential job performance of the commercial motor vehicle driver. Topics include handling cargo, cargo documentation, hours of service requirements, accident procedures, personal health and safety, trip planning, employability skills, and public and employer relations. Upon completion, the student will demonstrate performance of these activities to Commercial Drivers License standards to ensure safety to the driver, vehicle, cargo, and other motorists.
- TRK 114 VEHICLE MAINTENANCE** 2 Hrs.
PREREQUISITE: None.
COREQUISITE: TRK111, TRK112, TRK113, and TRK116.
This course introduces the student to the various components of the vehicle and how they work in order that malfunctions and safety hazards may be recognized before serious damages or accidents occur. Topics include vehicle systems, preventive maintenance and servicing, and diagnosing and reporting malfunctions. Upon completion, the student should be able to perform routine service functions and simple maintenance tasks and recognize when a vehicle needs repairs.
- TRK 116 PROFICIENCY DEVELOPMENT** 1 Hr.
PREREQUISITE: None.
COREQUISITE: TRK111, TRK112, and TRK113.
This course provides an opportunity to refine and polish, within the highway traffic environment, vehicle handling skills, and the safe and fuel efficient operating practices. Student performance is closely monitored by instructors to ensure that student progress toward the level of proficiency required for attainment of the Commercial Drivers License.

WELDING (WDT)

- WDT 108 SMAW FILLET/OFC** **3 Hrs.**
 PREREQUISITE: None
 This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting.
- WDT 109 SMAW FILLET/PAC/CAC** **3 Hrs.**
 PREREQUISITE: None
 This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting.
- WDT 110 INDUSTRIAL BLUEPRINT READING** **3 Hrs.**
 PREREQUISITE: None
 This course provides students with the understanding and fundamentals of industrial blueprint reading. Emphasis is placed on reading and interpreting lines, views, dimensions, weld joint configurations and weld symbols. Upon completion students should be able to interpret welding symbols and blueprints as they apply to welding and fabrication.
- WDT 119 GAS METAL ARC/FLUX CORED ARC WELDING THEORY** **3 Hrs.**
 PREREQUISITE: None
 This course introduces the student to the gas metal arc and flux cored arc welding process. Emphasis is placed on safe operating practices, handling and storage of compressed gasses, process principles, component identification, various welding techniques and base and filler metal identification.
- WDT 120 SHIELDED METAL ARC WELDING GROOVE THEORY** **3 Hrs.**
 PREREQUISITE: None
 This course provides the student with instruction on joint design, joint preparation, and fit-up of groove welds in accordance with applicable welding codes. Emphasis is placed on safe operation, joint design, joint preparation, and fit-up. Upon completion, students should be able to identify the proper joint design, joint preparation and fit-up of groove welds in accordance with applicable welding codes.
- WDT 122 SMAW FILLET/OFC LAB** **3 Hrs.**
 PREREQUISITE: None
 This course is designed introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of oxy-fuel cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-3 groups in accordance applicable welding code and be able to safely operate oxy-fuel equipment and perform those operations as per the applicable welding code.
- WDT 123 SMAW FILLET/PAC/CAC LAB** **3 Hrs.**
 PREREQUISITE: None
 This course is designed introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed o striking and controlling the arc, and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of plasma arc and carbon arc cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-4 groups in accordance with applicable welding code and be able to safely operate plasma arc and carbon arc equipment and perform those operations as per applicable welding code.
- WDT 124 GAS METAL ARC/FLUX CORED ARC WELDING LAB** **3 Hrs.**
 PREREQUISITE: None
 This course provides instruction and demonstration using the various transfer methods and techniques to gas metal arc and flux cored arc welds. Topics included are safety, equipment set-up, joint design and preparation, and gases.
- WDT 125 SHIELDED METAL ARC WELDING GROOVE LAB** **3 Hrs.**
 PREREQUISITE: None
 This course provides instruction and demonstrations in the shielded metal arc welding process on carbon steel plate with various size F3 and F4 group electrodes in all positions. Emphasis is placed on welding groove joints and using various F3 and F4 group electrodes in all positions. Upon completion, the student should be able to make visually acceptable groove weld joints in accordance with applicable welding codes.
- WDT 180 SPECIAL TOPICS** **3 Hrs.**
 PREREQUISITE: None.
 This course allows the student to plan, execute, and present results of individual projects in welding. Emphasis is placed on enhancing skill attainment in the welding field. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor.
- WDT 181 SPECIAL TOPICS LAB** **3 Hrs.**
 PREREQUISITE: None
 This course provides specialized instruction in various areas related to the welding industry. Emphasis is placed on meeting students needs.
- WDT 217 SMAW CARBON PIPE THEORY** **3 Hrs.**
 PREREQUISITE: None
 This course introduces the student to the practices and procedures of welding carbon steel pipe using the shielded metal arc weld (SMAW) process. Emphasis is placed on pipe positions, electrode selection, joint geometry, joint preparation, and fit-up. Upon completion, the student should be able to identify pipe positions, electrodes, proper joint geometry, joint preparation, and fit-up in accordance with applicable code.
- WDT 221 PIPEFITTING AND FABRICATION** **3 Hrs.**
 PREREQUISITE: None.
 This course provides the student with skills and practices necessary for fabricating pipe plans using butt welded fittings. Emphasis is placed on butt-welded fittings to include 45 and 90 degree angles, flanges, reducers, and tees. Upon completion, the student should be able to fit butt-welded fittings, and cut and fabricate tees, laterals, and assorted angles.

WDT 228 GAS TUNGSTEN ARC FILLET THEORY 3 Hrs.

PREREQUISITE: None.

This course introduces the student to the gas tungsten arc welding process as described in AWS code D1.1 for fillet welds of ferrous and non-ferrous metals. Emphasis is placed on safe operating practices, handling of cylinders, process principles, tungsten types and shapes, and base and filler metal identification. Upon completion, the student should be able to explain safe operating practices and principles, identify various tungsten types and sizes, and recognize various base and filler metals.

WDT 257 SMAW CARBON PIPE LAB 3 Hrs.

PREREQUISITE: None.

This course is designed to provide the student with skills in welding carbon steel pipe with the shielded metal arc weld (SMAW) process using electrodes in the F4 and F3 group. Emphasis is placed on welding pipe in the 2G, 5G, and 6G positions. Upon completion, the student should be able to perform shielded metal arc welding on carbon steel pipe with prescribed electrodes in the 2G, 5G, and 6G positions to the applicable code.

WDT 258 CERTIFICATION LAB 3 Hrs.

PREREQUISITE: None.

This course is designed to provide the student with the skills needed to perform welds using the prescribed welding process. Emphasis is placed on welding test joints in accordance with the prescribed welding code. Upon completion, the student should be able to pass an industry standard welding test in accordance with D1.1 code requirements.

WDT 268 GAS TUNGSTEN ARC LAB 3 Hrs.

PREREQUISITE: None

This course provides student with skills needed to perform gas tungsten arc welds using ferrous and/or non-ferrous metals, according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes.

WDT 292 COOPERATIVE EDUCATION 3 Hrs.

PREREQUISITE: None.

This course constitutes a series wherein the student works on a part-time basis in a job directly related to welding. In this course, the employer evaluates the student's productivity and the student submits a descriptive report of his or her work experiences. Upon completion, the student will demonstrate skills learned in an employment setting.

WORKKEYS (WKO)**WKO 107 WORKKEYS TARGETED INSTRUCTION 1 Hr.**

PREREQUISITE: WorkKeys Assessment

This course utilizes computer based instructional modules which are designed to access and develop skills necessary for workplace success. The instructional modules in the course include applied mathematics, applied technology, reading for information, and locating information. Upon completion of this course, students will be assessed to determine if their knowledge of the subject areas has improved.