

**PSGT 2660****Clinical II - Polysomnography  
(6 credits)**

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. (28 clinical hours per week) Prerequisite: PSGT 1260, Co-requisite: PSGT 2411. [CIP 51.0903]

**PSGT 2661****Polysomnography Clinical III  
(6 credits)**

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. (28 clinical hours per week) Prerequisite: PSGT 2660. [CIP 51.0903]

**PSTR 1301****Fundamentals of Baking  
(3 Credits)**

The Fundamentals of baking including yeast dough, quick breads, pies, cakes, cookies, tarts, and doughnuts. Instruction in flours, fillings, and ingredients. Topics include baking terminology, tool and equipment use, kitchen safety, formula conversions, functions of ingredients, and the evaluation of baked products. (1 lecture and 4 lab hours per week). Co-requisite: CHEF 1301 [CIP12.0501]

**PSYC 1300****Learning Framework  
(3 credits)**

A study of the 1) research and theory in the psychology of learning, cognition, and motivation, 2) factors that impact learning, and 3) application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. (3 lecture hours per week). [CB42.2701.5125]

**PSYC 2301****General Psychology  
(3 credits)**

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.0101.5125]

**PSYC 2306****Human Sexuality  
(3 credits)**

This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives – biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically-based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. (Cross-listed as SOCI 2306) (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB 42.0101.5325]

**PSYC 2307****Adolescent Psychology  
(3 credits)**

This course explores the physical, behavioral, mental, emotional, and social changes that accompany growth and development in adolescence. The purpose of this course is provide an overview of theories, research, issues, and applications related to adolescent development. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.2703.5125]

**PSYC 2308****Child Psychology  
(3 credits)**

This course will address psychological development from conception through middle childhood with references to physical, cognitive, social and personality changes. Students will examine the interplay of biological factors, human interaction, social structures and cultural forces in development. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.2703.5125]

**PSYC 2314****Life-Span Growth & Development  
(3 credits)**

Life-Span Growth and Development is a study of social, emotional, cognitive and physical factors and influences of a developing human from conception to death. (3 lecture hours per week). Prerequisites: TSI R/W Met. [CB42.2703.5125]

**PSYC 2315****Psychology of Adjustment  
(3 credits)**

Study of the processes involved in adjustment of individuals to their personal and social environments. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.0101.5625]

**PSYC 2316****Psychology of Personality  
(3 credits)**

Study of various approaches to determinants, development, and assessment of personality. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.0101.5725]

**PSYC 2317****Statistical Methods in Psychology  
(3 credits)**

Study of statistical methods used in psychological research, assessment, and testing. Includes the study of measures of central tendency and variability, statistical inference, correlation and regression as these apply to psychology. (3 lecture hours per week) Prerequisites: PSYC 2301 and TSI R/W Met. [CB42.0101.5225]

**PSYC 2319****Social Psychology  
(3 credits)**

Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. (Cross-listed as SOCI 2326) (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.2707.5125]

**PSYC 2389****Academic Cooperative  
(3 credits)**

An instructional program designed to integrate on-campus study with practical hands-on experience in psychology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions. (2 lecture & 3 co-op hours per week) Prerequisites: TSI R/W Met. [CB45.0101.5125]

**PTAC 1302****Introduction to Process Technology  
(3 credits)**

An introduction to process operations in refineries and chemical plants. The course includes: industry terminology, process technician duties, responsibilities, equipment, and expectations; plant organizations; review of applied mathematics; applied physics; applied chemistry; plant process and utility systems; maintenance expectations for process technicians; communication skills; quality statistics, economics, and problem solving. A discussion of physical and mental requirements of the process technician, family, and career considerations is included. (3 lecture hours, 1 lab hour per week). [CIP 41.0301]

**PTAC 1308****Safety, Health, and Environment  
in the Process Industry  
(3 credits)**

An overview of safety, health, and environmental issues in the performance of all job tasks. This course focuses on the fire triangle, firefighting for process technicians; hazards of air, steam, water, electricity, light hydrocarbons, operating hazards, properties of hazardous materials, personal protective equipment, engineering and administrative controls, testing equipment; and regulatory review—Federal, state, local. (3 lecture hours, 1 lab hour per week) [CIP 41.0301]

**PTAC 1310**  
**Process Technology I (Equipment)**  
**(3 credits)**

This course reviews the fundamentals and operating considerations of common process equipment and processes including: valves, piping, vessels, positive displacement and centrifugal pumps, positive displacement and centrifugal compressors, steam turbines, motors, and heat transfer. This course develops theory as well as mechanics of plant equipment. Prerequisite: PTAC 1302. (3 lecture hours, 1 lab hours per week) [CIP 41.0301]

**PTAC 1332**  
**Process Instrumentation I**  
**(3 credits)**

This course is the study of the common types of industrial processes and introduces students to the instruments in the primary process control loops including temperature, pressure, flow level, analyzer, pH and conductivity, piping and instrument diagrams and symbols. This course focuses on analog and digital control system, distributive control and process logic control, manual, auto, cascade, split range, ratio, feedback and feed forward control. Students will trace and understanding the control systems on several training units and a series of Simtronics process control simulators that requires students to complete off hours simulator lab assignments. Prerequisite: PTAC 1302 (3 lecture & 1 lab hour per week) [CIP 41.0301]

**PTAC 1354**  
**Industrial Processes**  
**(3 credits)**

This course examines the types of processes employed in petroleum refining and chemical operations. Included are crude distillation, coking, fluid catalytic cracking, hydrocracking, desulfurization, reforming, alkylation, polymerization, treating, olefin production, and many other common processes. (3 lecture hours, 1 lab hours per week) Prerequisite: PTAC 2420. [CIP 41.0301]

**PTAC 2314**  
**Quality (including SPC and Economics)**  
**(3 credits)**

Students will study the background and applications of quality concepts. Topics include team skills, quality tools, statistics, economics and continuous improvements. This course includes advanced quality techniques employed by industry to remain competitive in today's global economy. The widespread use of statistical techniques is stressed. Students learn principles of data handling, plotting, flow charting, histograms, standard deviation, control charts, cause and effect diagrams, etc. Principles of economics, as they affect unit, plant and corporate realizations are explored to give the student a foundation in the factors which affect business profitability. Team activities are a fundamental part of this course. This course is only offered on-line via MyBlackboard. Access to high-speed Internet is recommended. Completion of ORNT-0100 is required. (2 lecture hours, 2 lab hours per week) [CIP41.0301]

**PTAC 2420**  
**Process Technology II (Systems)**  
**(4 credits)**

A study of various process systems including related scientific principles. This course reviews the unit operations employed in the refining and chemical industry including: distillation; absorption; adsorption; reactions; refrigeration; cooling systems, utilities, and auxiliary systems. (3 lecture hours, 2 lab hours per week) Prerequisite: PTAC 1310. [CIP41.0301]

**PTAC 2436**  
**Process Instrumentation II**  
**(4 credits)**

This course continues with Simtronics simulations practices and hands on operation on several training modules. Course topics include process and instrumentation loop tracking and memorizations, position management, signal transmission and communication, automatic controls, safety instrumented systems and instrument and control applications. Students will get practical experience in the operations of distributive control using Emerson DeltaV and Siemens PLC. (3 lecture hours, 2 lab hours per week) Prerequisites: PTAC 1332. [CIP41.0301]

**PTAC 2438**  
**Process Technology III (Operations)**  
**(4 credits)**

This course will review process plant operations with emphasis on the elements of effective operations, routine technician duties, startups, shutdowns, emergency and non-routine operations, procedure writing, team and communications skills, process economic considerations, and commissioning new and revamped process facilities. Students work with operating process model and tour the college utilities facility. (3 lecture hours, 2 lab hours per week) Prerequisites: PTAC 1332 & 2420. [CIP410301]

**PTAC 2446**  
**Process Troubleshooting**  
**(4 credits)**

This course introduces students to different types of troubleshooting techniques and describes how these methods are used to solve problems in various process operations. Teams of students are given field problems which they approach from both a technical and practical viewpoint. The text includes specific problems which are presented in a comprehensive and easy to understand style. (3 lecture hours, 2 lab hours per week) Prerequisite: PTAC 2420 [CIP41.0301]

**RNSG 1129**  
**Integrated Nursing Skills II**  
**(1 credit)**

Study of the concepts and principles necessary to perform intermediate or advanced nursing skills for care of diverse patients across the lifespan. Content includes knowledge, judgment, skills, and professional values within a legal/ethical framework. (3 lab hours per week). Prerequisite: RNSG 1219. [CIP 51.3801]

**RNSG 1219**  
**Integrated Nursing Skills I**  
**(2 credits)**

Study of the concepts and principles necessary to perform basic nursing skills for diverse patients across the lifespan; demonstrate competence in the performance of nursing procedures. Content includes knowledge, judgement, skills, and professional values within a legal/ethical framework. (1 lecture and 3 lab hours per week). Prerequisites: Admission into the ADN Program. [CIP 51.3801]

**RNSG 1240**  
**Professional Nursing Skills for Articulating Students**  
**(2 credits)**

Demonstration of professional nursing skills and procedures; and utilize critical thinking skills in a systematic problem-solving process. Content includes knowledge, judgment, skills, and professional values within a legal/ethical framework. (1 lecture and 3 lab hours per week). Prerequisites: Admission into the ADN Program. [CIP 51.3801]

**RNSG 1260**  
**Clinical I RN**  
**(2 credits)**

A health related work-based learning experience that introduces the student in the application of nursing theory, skills and concepts within the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Direct supervision is provided by the clinical professional. Clinical experiences allow the student opportunities to begin utilizing nursing skills in caring for adults and family. Clinical education is an unpaid learning experience. (6 lab hours per week) Prerequisites: Admission into the ADN Program. Co-requisite: RNSG 1523. [CIP 51.3801]

**RNSG 1262**  
**Clinical RN Transition**  
**(2 credits)**

A health related work-based learning experience that introduces the vocational nurse in the application of nursing theory, skills and concepts within the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Direct supervision is provided by the clinical professional. (6 lab hours per week) Prerequisites: Admission into the ADN Program, Co-requisite: RNSG 1327. [CIP 51.3801]

**RNSG 1327**  
**Transition to Professional Nursing**  
**(3 credits)**

Content includes health promotion, expanded assessment, analysis of data, critical thinking skills and systematic problem solving process, pharmacology, interdisciplinary teamwork, communication, and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework throughout the lifespan. (2 lecture hours and 3 lab hours per week). Prerequisites: Admission into the ADN Program, BIOL 2401, BIOL 2402, BIOL 2420, PSYC 2301, PSYC 2314, ENGL 1301. Co-requisite: RNSG 1262. [CIP 51.3801]

**RNSG 1461  
Clinical II RN  
(4 credits)**

A health related work-based learning experience in medical/surgical settings that enables the student to apply professional nursing theory, skills and concepts within the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Direct supervision is provided by the clinical professional. (12 lab hours per week). Prerequisites: RNSG 1260. Co-requisite: RNSG 2504. [CIP 51.3801]

**RNSG 1523  
Introduction to Professional Nursing for  
Integrated Programs  
(5 credits)**

Introduction to the profession of nursing including the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of health care team, and member of the profession with emphasis on health promotion and primary disease prevention across the lifespan; essential components of the nursing health assessment; identification of deviations from expected health patterns; the application of a systematic, problem-solving process to provide basic nursing care to patients across the lifespan; and applicable competencies in knowledge, judgement, skills, and professional values within a legal/ethical framework. (4 lecture and 3 lab hours per week). Prerequisites: BIOL 2401, BIOL 2402, ENGL 1301, PSYC 2301. Admission into the ADN Program. Co-requisites: RNSG 1260, PSYC 2314. [CIP51.3801]

**RNSG 2435  
Integrated Patient Care Management  
(4 credits)**

Application of independent nursing interventions to care for patients and families throughout the lifespan whose health care needs may be difficult to predict. Emphasis on collaborative clinical reasoning, nursing leadership skills, and patient management. Content includes the significance of professional development, trends in nursing and health care, and applicable knowledge, judgement, skills, and professional values within a legal/ethical framework. (3 lecture and 3 lab hours per week). Prerequisite: RNSG 2514. Co-requisite: RNSG 2463. [CIP 51.3801]

**RNSG 2462  
Clinical III RN  
(4 credits)**

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. (12 lab hours per week). Prerequisite: RNSG 1461 or RNSG 1262. Co-requisite: RNSG 2514. [CIP 51.3801]

**RNSG 2463  
Clinical IV RN  
(4 credits)**

A health related work-based learning experience that enables the student to apply nursing theory, skills, and concepts within the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of the health care team and member of the profession. Direct supervision is provided by the clinical professional. (16 lab hours per week) Prerequisite: RNSG 2462. Co-requisite: RNSG 2435. [CIP 51.3801]

**RNSG 2504  
Integrated Care of the Patient with Common  
Health Care Needs  
(5 credits)**

Application of a systematic problem-solving process, critical thinking skills and concepts to provide nursing care to diverse patients and families across the lifespan with common health care needs including, but not limited to, common childhood/adolescent diseases, uncomplicated perinatal care, mental health concepts, perioperative care, frequently occurring adult health problems and health issues related to aging. Emphasis on secondary disease prevention and collaboration with members of the interdisciplinary health care team. Content includes roles of the professional nurse and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework. (4 lecture and 4 lab hours per week). Prerequisite: RNSG 1523. Co-requisite: RNSG 1461. [CIP 51.3801]

**RNSG 2514  
Integrated Care of the Patient with Complex  
Health Care Needs  
(5 credits)**

Application of a systematic problem-solving process, critical thinking skills and concepts to provide comprehensive nursing care to diverse patients and families across the lifespan with complex health care needs including, but not limited to, complex childhood/adolescent diseases, complicated perinatal care, acute mental illness, complex perioperative care, serious adult health problems and health issues related to aging. Emphasis on tertiary disease prevention, health maintenance/restoration and collaboration with members of the interdisciplinary health care team. Content includes the roles of the professional nurse and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework. (4 lecture and 2 lab hours per week). Prerequisites: BIOL 2420, RNSG 2504 or RNSG 1327. Co-requisite: RNSG 2462. [CIP 51.3801]

**RSPT 1166  
Practicum - Respiratory Care Therapist  
(1 credit)**

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This is an introductory course to the hospital setting. Students will be able to observe and perform the skills taught in adjoining courses. (8 lab per week) [CIP 51.0908]

**RSPT 1191  
Special Topics in Respiratory Therapy  
(1 credit)**

Topics address recently identified current events, skills, knowledge and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the respiratory therapist. This course was designed to be repeated multiple times to improve student proficiency. Specific topics introduced to the student will be current issues facing the Profession of Respiratory Care. In addition, the activities of the three major professional sponsors - the AARC, the NBRC and the Co ARC are discussed. Students will be exposed to the topics of accreditation, credentialing, management, education, and clinical practice. (4 lab hours per week). [CIP 51.0908]

**RSPT 1207  
Cardiopulmonary Anatomy and Physiology  
(2 credits)**

Anatomy and physiology of the cardiovascular and pulmonary systems. The student also becomes acquainted with the terminology used in respiratory physiology. (2 lecture and 1 lab hour per week) Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CIP51.0908]

**RSPT 1225  
Respiratory Care Sciences  
(2 credits)**

Physics, mathematics, and chemistry as related to respiratory care. (2 lecture and 1 lab hours per week) Prerequisite: INRW 0309, DIRW/DIRR 0309 or READ 0309. [CIP51.0908]

**RSPT 1262  
Clinical II - Respiratory Care Therapist  
(2 credits)**

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Specifically, this course provides the student with the opportunity to apply skills necessary for managing and monitoring the patient-ventilator system in the intensive care setting. (16 lab hours per week). Requires departmental approval. [CIP51.0908]

**RSPT 1266  
Practicum I - Respiratory Care Therapist  
(2 credit)**

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This course gives students the opportunity to perform and demonstrate clinically the knowledge gained in parallel courses. Setups, operation, and troubleshooting involved with the more sophisticated equipment are also included. (16 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 1310  
Respiratory Care Procedures I  
(3 credits)**

Essential knowledge of the equipment and techniques used in the treatment of cardiopulmonary disease. Prerequisite: PSGT 1400 (2 lecture and 2 lab hours per week) [CIP51.0908]

**RSPT 1431**  
**Respiratory Care Fundamentals II**  
**(3 credits)**  
 Prepare equipment for function, operation, and cleanliness; perform lung expansion therapy, bronchial hygiene therapy, artificial airway insertion, manual resuscitation, suctioning, and pulse oximetry; identify equipment malfunctions; and maintain patient records. (2 lecture and 3 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 1429**  
**Respiratory Care Fundamentals I**  
**(3 credits)**  
 Utilize data related to patient assessment; prepare equipment for function, operation, and cleanliness; perform infection control, vital signs, physical assessment, medical gas therapy, and humidity/aerosol therapy; identify equipment malfunctions; and maintain patient records. (3 lecture and 2 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 2131**  
**Clinical Simulations in Respiratory Care**  
**(1 credit)**  
 Theory of clinical simulation examinations. Includes construction types, scoring, and mechanics of taking the computerized simulation examination. (3 lab hours per week) Prerequisites: All previous respiratory care courses or permission of the Chairperson. [CIP51.0908]

**RSPT 2166**  
**Practicum V - Respiratory Care Therapist**  
**(1 credit)**  
 Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This course is designed for the student to rotate through specialty areas including the pulmonary function lab, hyperbaric medicine, sleep studies, emergency room, bronchoscopy, intubation, and EKG rotations. (8 lab hours per week). Requires departmental approval. [CIP51.0908]

**RSPT 2217**  
**Respiratory Care Pharmacology**  
**(2 credits)**  
 A study of drugs that affect cardiopulmonary systems. Emphasis on classification, route of administration, dosages/calculations, and physiological interactions. (2 lecture and 1 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 2239**  
**Advanced Cardiac Life Support**  
**(2 credits)**  
 Advanced Cardiac Life Support (ACLS) with an emphasis on airway management. Designed to develop skills for resuscitation of the adult. Includes strategies for managing and stabilizing the cardiopulmonary arrested patient. May include certification based on American Heart Association standards. Requires departmental approval. (1 lecture and 4 lab hours per week) [CIP51.0908]

**RSPT 2266**  
**Practicum III - Respiratory Care Therapist**  
**(2 credits)**  
 Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. In this course the student applies all respiratory concepts related to patient care to demonstrate experience as a practicing therapist with the correlation of advanced clinical and technological concepts. (16 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 2267**  
**Practicum IV - Respiratory Care Therapist**  
**(2 credits)**  
 Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This is an in-depth exposure to respiratory care and ventilator management with emphasis on neonatal and pediatric therapy. Case studies and follow-ups are presented. (16 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 2305**  
**Pulmonary Diagnostics**  
**(3 credits)**  
 The theories and techniques involved in pulmonary function testing, blood gas analysis, and quality control. (2 lecture and 3 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 2310**  
**Cardiopulmonary Disease**  
**(3 credits)**  
 Etiology, pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment, and detection of cardiopulmonary diseases. (2 lecture and 2 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 2314**  
**Mechanical Ventilation II**  
**(3 credits)**  
 The study of mechanical ventilation with emphasis on ventilator classification, methods, principles, and operational characteristics. This course is a continuation of Mechanical Ventilation I, designed to provide the student with the opportunity to set up, operate, and troubleshoot various volume ventilators on the market today. Emphasis will be placed on building skills needed to work with volume and pressure ventilators. (2 lecture and 2 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 2355**  
**Critical Care Monitoring**  
**(3 credits)**  
 Advanced monitoring techniques used to assess a patient in the critical care setting. This course is designed to familiarize the student with techniques used clinically to assess a patient both subjectively and objectively. It also introduces the student to invasive monitoring systems used in the critical care setting such as Swan-Ganz catheterization, CVP and arterial lines, intracranial pressure monitoring and chest drainage. (2 lecture and 4 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 2414**  
**Mechanical Ventilation I**  
**(4 credits)**  
 The study of mechanical ventilation with emphasis on ventilator classification, methods, principles, and operational characteristics. Also included are the indications, complications, and physiologic effects/principles of mechanical ventilation. (3 lecture and 4 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSPT 2453**  
**Neonatal/Pediatric Cardiopulmonary Care**  
**(4 credits)**  
 A study of neonatal and pediatric cardiopulmonary care. This course explores the care of the pediatric patient in regards to cardiopulmonary disease. Cardiopulmonary anatomy and physiology, fetal development, diseases, equipment and therapeutic techniques used in treating these diseases are covered. Also included in this course is a PALS certification course and a NRP certification course. (3 lecture & 2 lab hours per week) Requires departmental approval. [CIP51.0908]

**RSTO 2301**  
**Principles of Food and Beverage Controls**  
**(3 Credits)**  
 A study of financial principles and controls of food service operation including review of operation policies and procedures. Topics include financial budgeting and cost analysis emphasizing food and beverage labor costs, operational analysis, and international and regulatory reporting procedures. (3 lecture hours per week). Prerequisite: BCIS 1305 or POFI 1301. [CIP12.0504]

**RTVB 1150**  
**Radio Experience I**  
**(1 credit)**  
 Laboratory experience in radio operation and announcing by broadcasting on a radio station. (4 lab hours per week). [CIP 09.0701]

**RTVB 1250**  
**Radio Experience I**  
**(2 Credits)**  
 Lab experience in radio operation and announcing by broadcasting on a radio station. (1 lecture & 2 lab hours per week) [CIP 09.0701]

**RTVB 1301**  
**Broadcast/Digital Media News Writing**  
**(3 credits)**  
 Instruction in the writing of news copy for broadcast and various digital media content. (2 lecture and 4 lab hours per week). [CIP09.0701]

**RTVB 1309**  
**Audio/Radio Production I**  
**(3 credits)**  
 Concepts and techniques of sound production including basic recording, mixing, and editing techniques. (2 lecture and 2 lab hours per week) [CIP09.0701]

**RTVB 1321**  
**TV/Video Field Production**  
**(3 credits)**  
 Video field camera set up and operation for broadcast and digital media. Incorporates basic editing and field audio techniques. (2 lecture and 4 lab hours per week) [CIP09.0701]

**RTVB 1325**  
**TV Studio Production**  
**(3 credits)**  
 Basic television studio production planning, directing and techniques commonly used with video, audio and lighting equipment. (2 lecture and 4 lab hours per week) [CIP09.0701]

**RTVB 1329**  
**Scriptwriting**  
**(3 credits)**  
 Writing scripts for film and electronic media. Emphasizes format and style for commercials, public service announcements, promos, news, and documentaries. (2 lecture and 4 lab hours per week) [CIP09.0701]

**RTVB 1355**  
**Radio and Television Announcing**  
**(3 credits)**  
 Radio and television announcing skills such as voice quality, articulation, enunciation, and pronunciation. Includes preparation for on air and voice over positions. (2 lecture and 4 lab hours per week) [CIP09.0701]

**RTVB 1380,1381, 2380, 2381**  
**Cooperative Education – Radio and Television**  
**(3 credits)**  
 Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 lecture and 20 lab hours per week) . [CIP09.0701]

**RTVB 1391**  
**Special Topics in Radio and Television Broadcasting**  
**(3 credits)**  
 Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. (2 lecture and 4 lab hours per week) [CIP09.0701]

**RTVB 2250**  
**Radio Experience II**  
**(2 credits)**  
 Advanced lab experience in radio operation and announcing by broadcasting on a radio station. (4 lab hours per week). [CIP 09.0701]

**RTVB 2331**  
**Audio/Radio Production III**  
**(3 credits)**  
 Advanced concepts in audio/radio recording and editing. Includes digital editing, sound processing systems, and multi-track mix-down recording techniques. (2 lecture and 4 lab hours per week) [CIP09.0701]

**RTVB 2337**  
**TV/Video Production Workshop I**  
**(3 credits)**  
 Design and production of video content for location or studio shoots adhering to deadline and quality control restrictions. (2 lecture and 4 lab hours per week) [CIP09.0701]

**RTVB 2340**  
**Portfolio Development**  
**(3 credits)**  
 Preparation and presentation of a portfolio suitable for employment in the media industry. This course is intended to be taken in the last semester. (1 lecture and 7 lab hours per week) Prerequisite: RTVB 1301 or COMM 2311 [CIP 09.0701]

**SCIT 1414**  
**Applied General Chemistry**  
**(4 credits)**  
 Industrial chemistry introduces students to the fundamentals of chemistry, particularly as they apply to process system operations. Topics covered include atomic structure, elements, compounds, mixtures, equations, material balances, inorganic and organic process reactions. Particular emphasis is placed on hydrocarbon chemistry—the many families that are found in crude oil and natural gas. Included are typical process reactions such as alkylation, hydrogenation, polymerization, olefins production, etc. (3 lecture hours, 3 lab hours per week) [CIP 40.0501]

**SCIT 1420**  
**Physics for Allied Health**  
**(4 credits)**  
 An introduction to physics with emphasis on application to health related fields of study. Topics include forces, motion, work and energy, fluids, heat, electricity and magnetism, wave motion, sound, electromagnetic radiation, and nuclear radiation. Prerequisite: TSI Math Met (3 lecture and 3 lab hours per week) [CIP51.000]

**SCWK 1313**  
**Introduction to Social Work**  
**(3 credits)**  
 An overview of the social work profession and introduction to the terms, concepts, people, and critical events that have shaped the profession. (3 lecture hours per week) [CIP 44.0701]

**SOCI 1301**  
**Introduction to Sociology**  
**(3 credits)**  
 The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology. Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.1101.51 25]

**SOCI 1306**  
**Social Problems**  
**(3 credits)**  
 Application of sociological principles and theoretical perspectives to major social problems in contemporary society such as inequality, crime and violence, substance abuse, environmental issues, deviance, or family problems. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.1101.5225]

**SOCI 2301**  
**Marriage and the Family**  
**(3 credits)**  
 Sociological and theoretical analysis of the structures and functions of the family, the varied cultural patterns of the American family, and the relationships that exist among the individuals within the family, as well as the relationships that exist between the family and other institutions in society. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.1101.5425]

**SOCI 2306**  
**Human Sexuality**  
**(3 credits)**  
 This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives – biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. (Cross-listed as PSYC 2306) (3 lecture hours per week). Prerequisites: TSI R/W Met. [CB42.0101.5325]

**SOCI 2319**  
**Minority Studies**  
**(3 credits)**  
 This course studies minority-majority group relations, addressing their historical, cultural, social, economic, and institutional development in the United States. Both sociological and social psychological levels of analysis will be employed to discuss issues including experiences of minority groups within the context of their cultural heritage and tradition, as well as that of the dominant culture. Core concepts to be examined include (but are not limited to) social inequality, dominance/subordination, prejudice, and discrimination. Particular minority groups discussed may include those based on poverty, race/ethnicity, gender, sexual orientation, age, disability, or religion. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.1101.53 25]

**SOCI 2326**  
**Social Psychology**  
**(3 credits)**  
 Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. (Cross-listed as PSYC 2319) (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB42.2707.5125]

**SOCI 2336  
Criminology  
(3 credits)**

The course surveys various theories of crime, with an emphasis on understanding the social causes of criminal behavior. The techniques for measuring crime as a social phenomenon and the characteristics of criminals are examined. This course addresses crime types (such as consensual or white-collar crimes), the criminal justice system, and other social responses to crime. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB45.0401.5125]

**SOCI 2340  
Drug Use & Abuse  
(3 credits)**

Study of the use and abuse of drugs in today's society. Emphasizes the physiological, sociological, and psychological factors. (3 lecture hours per week) Prerequisites: TSI R/W Met. [CB51.1504.52 16]

**SOCI 2389  
Academic Cooperative  
(3 credits)**

An instructional program designed to integrate on-campus study with practical hands-on experience in sociology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions. (2 lecture & 3 co-op hours per week) Prerequisites: TSI R/W Met. [CB45.0101.5125]

**SPAN 1411  
Beginning Spanish I  
(4 credits)**

This course provides basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level. (3 lecture and 2 lab hours per week). [CB16.0905.5113]

**SPAN 1412  
Beginning Spanish II  
(4 credits)**

This course provides continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at a high beginner to low intermediate level. Prerequisite: Successful completion of SPAN 1411 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 2 lab hours per week). [CB16.0905.5113]

**SPAN 2311  
Intermediate Spanish I  
(3 credits)**

This course consolidates skills acquired at the introductory (beginning) level. It provides further development of proficiency in listening, speaking, reading and writing. It emphasizes comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: Successful completion of SPAN 1412 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hour per week). [CB16.0905.5213]

**SPAN 2312  
Intermediate Spanish II  
(3 credits)**

This course continues the consolidation of skills acquired at the introductory (beginning) level. It provides further development of proficiency in listening, speaking, reading and writing. It emphasizes comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: Successful completion of SPAN 2311 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture and 1 lab hours per week). [CB16.0905.5213]

**SPAN 2313  
Spanish for Native/Heritage Speakers I  
(3 credits)**

This course builds upon existing oral proficiencies of heritage speakers of Spanish. Enhances proficiencies in the home - based language by developing a full range of registers including public speaking and formal written discourse. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish - speaking world. Prerequisite: Placement Exam. (3 lecture hours and 1 lab hour per week) [CB16.0905.5213]

**SPAN 2315  
Spanish for Native/Heritage Speakers II  
(3 credits)**

This course builds upon existing oral proficiencies of heritage speakers of Spanish. It enhances proficiencies in the home-based language by developing a full range of registers including public speaking and formal written discourse. It emphasizes comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Prerequisite: Successful completion of SPAN 2313 with a minimum grade of C in the 12 months prior to enrollment or by Placement Exam immediately prior to enrollment. (3 lecture hours and 1 lab hour per week). [CB16.0905.5213]

**SPCH 1315  
Public Speaking  
(3 credits)**

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations. (3 lecture hours per week). Prerequisite: TSI Reading Met. [CB23.1304.5312]

**SPCH 1318  
Interpersonal Communication  
(3 credits)**

Application of communication theory to interpersonal relationship development, maintenance, and termination in relationship contexts including friendships, romantic partners, families, and relationships with co-workers and supervisors. (3 lecture hours per week). Prerequisites: TSI R/W Met. [CB23.1304.5412]

**SPCH 1321  
Business & Professional Communication  
(3 credits)**

Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams and technologically mediated formats. (3 lecture hours per week). Prerequisite: TSI Reading Met. [CB23.1304.5212]

**SPCH 2335  
Argumentation and Debate.  
(3 credits)**

Theory and practice in argumentation and debate including analysis, reasoning, organization, strategy, and refutation. (3 lecture hours per week). Prerequisite: TSI Reading Met [CB23.1304.5912]

**TECA 1303  
Family, School and Community  
(3 credits)**

A study of the child, family, community, and schools, including parent education and involvement, family and community lifestyles, child abuse, and current family life issues. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth through age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations. The course includes a minimum of 16 hours of field experiences. (3 lecture and 1 field experience hour per week). Prerequisite: TSI R/W Met. [CB13.0101.5209]

**TECA 1318  
Wellness of the Young Child  
(3 credits)**

A study of the factors that impact the well-being of the young child including healthy behavior, food, nutrition, fitness, and safety practices. Focuses on local and national standards and legal implications of relevant policies and regulations. Course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards and coincide with the National Association for the Education of Young Children position statement related to developmentally appropriate practices for children from birth to age eight. Requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations. Course includes a minimum of 16 hours of field experiences. (3 lecture and 1 field experience hour per week). Prerequisite: TSI R/W Met. [CB13.01015309]

**TECA 1354****Child Growth and Development  
(3 credits)**

A study of the physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence. (3 lecture hours per week). Prerequisite: TSI R/W Met. [CB13.1202.5209]

**TECM 1303****Technical Calculations  
(3 credits)**

Specific mathematical calculations required by business and industry; Includes whole numbers, fractions, mixed numbers, decimals, percents, ratios, and proportions. Also covers converting to different units of measure (standard and/or metric). Solve business/industry problems using addition, subtraction, multiplication, and division; convert between whole numbers, fractions, mixed numbers, and decimals; perform calculations involving percents, ratios, and proportions; and convert numbers to different units of measurement (standard and/or metric). (3 lecture and 1 lab hour per week) [CIP 27.0301]

**TECM 1317****Technical Trigonometry  
(3 Credits)**

Triangular measurements and calculations used in technical/industrial applications. Calculate right triangles and oblique triangles; convert between polar and rectangular vectors; add and subtract vectors; and analyze sine and cosine waveforms used in technical/industrial applications. (2 lecture and 2 lab hours per week) Prerequisite: Math 1314. [CIP27.0301]

**VNSG 1122****Vocational Nursing Concepts  
(1 credit)**

Introduction to the nursing profession and its responsibilities and the legal and ethical issues in nursing practice. Concepts related to the physical, emotional, and psychosocial self-care of the learner/professional. End-of-Course Outcomes: The student will discuss the personal adjustments essential to the development of the vocational nurse; identify the role of the licensed vocational nurse; and discuss the legal and ethical responsibilities in vocational nursing practice. (1 lecture hour per week). [CIP 51.3901]

**VNSG 1160****Clinical I - Vocational Nurse  
(1 credit)**

A health related work-based experience, that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. End-of-Course Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedure, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry, and demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written & verbal communication skills using the terminology of the occupation and the business/industry. (5 clinical hours per week). Co-requisite: VNSG 1423.

**[CIP 51.3901]****VNSG 1219****Leadership & Professional Development  
(2 credits)**

Study of the importance of professional growth. Topics include the role of the licensed vocational nurse in the multi-disciplinary health care team, professional organizations, and continuing education. End-of-Course Outcomes: The student will describe the role of the licensed vocational nurse in multi-disciplinary settings inclusive of basic principles of leadership and management; discuss the role of professional organizations and regulatory agencies; explain the Texas Board of Nursing Rules and Regulations and the Nurse Practice Act; and identify criteria and appropriate resources for continuing education. (2 lecture hours per week). [CIP 51.3901]

**VNSG 1226****Gerontology  
(2 credits)**

Overview of the normal physical, psychosocial, and cultural aspects of the aging process. Addresses common disease processes of aging and explores perceptions towards care of the older adult. End-of-Course Outcomes: the student will describe the aspects of aging; discuss disease processes associated with aging; and identify perceptions related to care of the older adult. (2 lecture hours per week). Co-requisite: VNSG 1661. [CIP 51.3901]

**VNSG 1227****Essentials of Medication Administration  
(2 credits)**

General principles of medication administration including determination of dosage, preparation, safe administration, and documentation of multiple forms of drugs. Instruction includes various systems of measurement. End-of-Course Outcomes: The student will demonstrate accurate dosage calculation; demonstrate safe medication administration and accurately document medication administration. (1 lecture and 2 lab hours per week). [CIP 51.3901]

**VNSG 1230****Maternal - Neonatal Nursing  
(2 credits)**

A study of the biological, psychological, and sociological concepts applicable to basic needs of the family including childbearing and neonatal care. Utilization of the nursing process in the focused assessment and management of the childbearing family. Topics include physiological changes related to pregnancy, fetal development, and nursing care of the family during labor and delivery and the puerperium. End-of-Course Outcomes: The student will discuss human reproduction and fetal development as related to the normal aspects of childbearing; identify common complications of the mother and newborn during prenatal, antenatal, and postnatal periods; and relate characteristics of the normal newborn and associated nursing interventions to meet identified health care needs utilizing the nursing process. (2 lecture hours per week). Co-requisite: VNSG 1661. [CIP 51.3901]

**VNSG 1234****Pediatrics  
(2 credits)**

Study of the care of the pediatric patient and family during health and disease. Emphasis on growth and development needs utilizing the nursing process. End-of-Course Outcomes: The student will identify safety principles related to childcare; discuss primary nursing care of the pediatric patient and family during the health and disease; and apply concepts of growth and development to the care of pediatric patients utilizing the nursing process. (2 lecture hours per week). Co-requisite: VNSG 1661. [CIP 51.3901]

**VNSG 1301****Mental Health and Mental Illness  
(3 credits)**

Study of personality development, human needs, common mental mechanisms, and factors influencing mental health and mental illness. Includes common mental disorders and related therapy. End-of-Course Outcomes: The student will identify the characteristics of mental health; identify common mental illness and maladaptive behaviors; describe trends in psychotherapeutic treatment; discuss the application of therapeutic communication skills; and assist in the formulation of a plan of care for the individual with mental illness or maladaptive behavior. (3 lecture hours per week). [CIP 51.3901]

**VNSG 1329****Medical Surgical Nursing I  
(3 credits)**

Application of the nursing process to the care of adult patients experiencing medical-surgical conditions along the health-illness continuum in a variety of health care settings. End-of-Course Outcomes: The student will identify components of the health-illness continuum; identify prevalent medical surgical conditions affecting the adult and utilize the nursing process to assist in developing a plan of care for selected medical-surgical conditions. (3 lecture hours per week). Co-requisite: VNSG 1660. [CIP 51.3901]

**VNSG 1331****Pharmacology  
(3 credits)**

Fundamentals of medications and their diagnostic, therapeutic, and curative effects. Includes nursing interventions utilizing the nursing process. End-of-Course Outcomes: The student will identify properties, effects, and principles of pharmacotherapeutic agents; and explain nursing interventions associated with the various pharmacotherapeutic agents. (3 lecture hours per week). [CIP 51.3901]

**VNSG 1332****Medical - Surgical Nursing II  
(3 credits)**

Continuation of Medical-Surgical Nursing I with application of the nursing process to the care of adult patients experiencing medical-surgical conditions along the health-illness continuum in a variety of health care settings. End-of-Course Outcomes: The student will explain the components of the health-illness continuum; assess prevalent medical surgical conditions affecting the adult and utilize the nursing process to assist in developing a plan of care for selected medical-surgical conditions. (3 lecture hours per week). Co-requisite: VNSG 1660. [CIP 51.3901]

**VNSG 1420****Anatomy & Physiology for Allied Health  
(4 credits)**

Study of the structure (anatomy) and function (physiology) of the human body including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems. End-of-Course Outcomes: The student will identify the structure of each of the body systems; describe the function of each of the body systems; and discuss the interrelationship of systems in maintaining homeostasis. (4 lecture hours per week). [CIP 51.3901]

**VNSG 1423****Basic Nursing Skills  
(4 credits)**

Mastery of basic nursing skills and competencies for a variety of health care settings. Utilization of the nursing process as the foundation for all nursing interventions. End-of-Course Outcomes: The student will demonstrate safe and competent basic nursing skills, describe how each step in the nursing process relates to nursing care, and discuss the implementation of basic nursing skills in a variety of health care setting. (3 lecture and 4 lab hours per week). Co-requisite: VNSG 1160. [CIP 51.3901]

**VNSG 1660****Clinical II - Vocational Nurse  
(6 credits)**

A health related work-based experience that enables the student to apply specialized occupation theory skills, and concepts. Direct supervision is provided by the clinical professional. End-of-Course Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, tools, procedure, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry, and demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry. (24 clinical hours per week). Co-requisites: VNSG 1329 and VNSG 1332. [CIP 51.3901].

**VNSG 1661****Clinical III - Vocational Nurse  
(6 credits)**

A health related work-based experience that enables the student to apply specialized occupation theory skills and concepts. Direct supervision is provided by the clinical professional. End-of-Course Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, tools, procedure, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry, and demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry. (24 clinical hours per week). Co-requisites: VNSG 1226 and, VNSG 1230, and VNSG 1234. [CIP 51.3901]

**WLDG 1323****Welding Safety Tools and Equipment  
(3 credits)**

An introduction to welding careers, equipment and safety practices, including OSHA standards for industry. (3 lecture hours per week). Co-requisites: WLDG 1407, 1413, 1521. [CIP 48.0508]

**WLDG 1407****Introduction to Welding Using Multiple Processes  
(4 credits)**

Basic welding techniques using some of the following processes; Oxy-fuel welding (OFW) and cutting, shielded metal arc welding (SMAW), gas metal arc welding (GMAC), and gas tungsten arc welding (GTAW). (1 lecture and 9 lab hours per week). Co-requisites: WLDG 1323, 1413, 1521. [CIP.48.0508]

**WLDG 1413****Introduction to Blueprint Reading for Welders  
(4 credits)**

A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards. Also includes interpretation of plans and drawings used by industry to facilitate field application and production. (4 lecture hours per week). Co-requisites: WLDG 1323, 1407, 1521. [CIP 48.0508]

**WLDG 1521****Welding Fundamentals  
(5 credits)**

An introduction to the fundamentals of equipment used in Oxy-fuel and arc welding, including welding and cutting safety, basic oxy-fuel welding and cutting, basic arc welding processes and basic metallurgy. (3 lecture and 5 lab hours per week). Co-requisites: WLDG 1323, 1407, 1413. [CIP 48.0508]



### Purpose

Continuing Education Workforce Development (CEWD), located in Building H, provides job training and educational opportunities in several categories: Workforce Training Programs, GED, Customized Corporate Training, Safety Education, Senior Adults, and Special Interest.

### General Information

The Alvin Community College Board of Regents establishes tuition and fees for noncredit classes. For more information concerning the Continuing Education Workforce Development course offerings please call 281-756-3787 or visit us online at [www.alvincollege.edu/cewd](http://www.alvincollege.edu/cewd).

Day and evening classes are offered. Check the current schedule for specific times and locations. Those who have program and course ideas should contact the office of the Dean of Continuing Education Workforce Development at 281-756-3789.

### Adult Basic Education

GED (General Educational Development). This GED Comprehensive Preparation class readies the student to take and pass the GED test. Instruction focuses on the four (4) content areas of the GED test: reading/writing, mathematics, science, and social studies. Textbook and official GED calculator required (Texas Instruments TI-30XS Multi-view).

GED classes are available to 17 year olds, as well as, 16 year olds who are court ordered. Before being allowed to attend class, underage students and a parent or legal guardian must meet with the program coordinator and agree to certain classroom rules before being allowed to register. Call 281-756-3995 to set up an appointment.

### WORKFORCE CERTIFICATE PROGRAMS

Career Training  
Computer Training  
Professional Development  
Helicopter Pilot Training  
Human Resources

### Corporate Training

The Continuing Education Workforce Development of Alvin Community College responds to the specific needs of local business and industry in the area of Workforce Training. The Corporate Training staff will respond efficiently and customize the training to meet your companies' needs through a strong network of consultants and trainers. Call 281-756-3787 for more information. CEWD provides a full range of Training services including, but not limited to:

- Training needs analysis
- Competency modeling
- Skills assessment
- Soft Skills training
- Technical skills training
- Business Computer Skills

### Allied Health Care Training

Providing top-quality training for individuals wanting to enter the medical field or those needing continuing education units for maintaining their professional licenses. Call 281-756-3787. Specific programs regularly offered are listed below:

Activity Director  
Certified Nursing Assistant (CNA)  
Clinical Medical Assistant (CMA)  
CPR  
Dental Assistant  
Medical Office Billing & Coding  
Medication Administration for Nurse Aide & Annual Update  
Phlebotomy Technician  
Veterinary Assistant

### INDUSTRIAL TRAINING

ACC offers multiple levels of industrial courses designed to provide students with a defined pathway to achieving journeyman status in their chosen field. Our students are "workforce ready" upon graduation based on the student's highest level of completion. Most courses allow the students the ability to obtain portable, nationally recognized credentials. ACC also offers night classes for all skill levels designed for individuals already practicing their craft or those that wish to continue their education.

**CNC Machinist** - Students gain hands-on experience from milling and turning to CNC skills training that is necessary to enter the workforce. Try a Free CNC Maching Workshop offered monthly. Call 281-756-3670.

**Industrial Maintenance Mechanic** - This new credential is designed for the maintenance side of the industrial world. The course covers the history of the trade, and the kinds of work and work environments industrial maintenance craftspeople would find in the field. Call 281-756-3787.

**Millwright** - This 160 hour course is designed for the student to receive NCCER Core and Level 1 Millwright credentials and prepares the student for an entry level position in this rapidly growing field. The course ensures students have access to both manual and computerized machining equipment. Call 281-756-3787.

**Pipe Fitting** - Our 160 hour course introduces the basics of pipefitting while adhering to the standards set forth by the National Center for Construction Education and Research (NCCER). Students will receive two NCCER credentials upon completion. Pipefitting level 2 is also offered at night to allow the individual to work while attending classes. Call 281-756-3787.

**Welding** - The 320 hour Welding course offers the student the ability to complete multiple levels of NCCER through one course with extended practice time. These students are also trained in a variety of settings that may be seen on a jobsite. The 160 hour course

introduces basic theory and welding techniques while focusing on NCCER Core and Level 1. Our level 2 night course offers the student the ability to earn the coveted pipe-welding credential. Call 281-756-3787.

### INFORMATION TECHNOLOGY

Growing changes in the computer and information technology field makes computer skills a must in today's job market. Call 281-756-3904 for information. IT offers the following courses:  
Computer Business Fundamentals  
Computer Job Skills Program  
Introduction to Computers  
Introduction to Photoshop  
MS Office Suite  
QuickBooks and much more

### Online Learning

Activity Director  
Command Spanish  
Ed2go - Career Training  
Ed2go - Instructor-Led Courses  
Ed2go - Corporate Training  
Medical Administrative Assistant  
Medical Coding & Billing  
Medical Terminology  
Medical Transcription  
Career Web School - Real Estate Licensing  
For more information call 281-756-3787.

### LIFE LONG LEARNING (ON ACC MARKETPLACE)

#### Senior Adult

Alvin Community College Education and Senior Services (ACCESS) for individuals 50 years of age and over, offers many courses, activities, and trips. Call 281-756-3729.

#### Special Interest

Community & personal enrichment opportunities are offered throughout the year. Suggestions for additional offerings are welcomed! Call 281-756-3787.

Some regular offerings include:

Cardio Kickboxing  
Karate  
Lifestory Writing  
Yoga

### VOCATIONAL TRAINING

#### Skills Training Rewarding Independence and Vocational Education (STRIVE)

A two year college Experience and vocational training for adults with intellectual abilities. Limited seats available. Admissions application is required. Call 281-756-3805.

### SAFETY EDUCATION

Civilian Handgun Safety  
License to Carry  
Motorcycle Safety

### NEW PROGRAMS AND COURSES ARE ADDED BASED ON DEMAND

# Board of Regents, Administration & Staff

## Board of Regents

- Mike Pyburn, Chairman  
 James B. DeWitt, Vice-Chairman  
 Jody Droege, Secretary  
 Dr. Patty Hertenberger  
 Cheryl Knape  
 'Bel Sanchez  
 Roger Stuksa  
 Doyle Swindell  
 Andy Taquard  
  
 Dr. Christal M. Albrecht, President

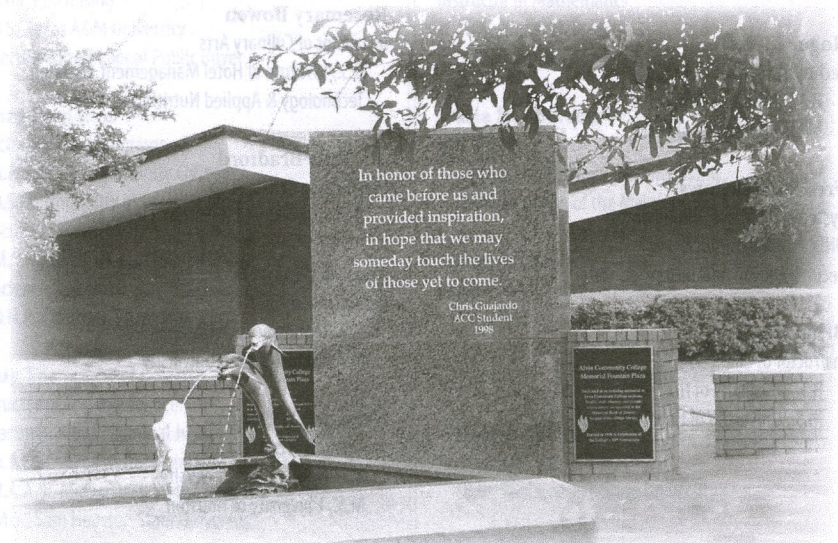


## Emeriti Administrators & Instructors

- |  |   |   |
|--|---|---|
| A. Rodney Allbright<br><i>President, Emeritus</i>  | Cleo Congrady<br><i>English Instructor, Emeritus</i>  | James Meadows<br><i>Dean of Instruction, Student &amp; Community Services, Emeritus</i>   |
| JoAn Anderson<br><i>Dean of Students, Emeritus</i>   | Diane Flatland<br><i>Allied Health &amp; TDJC, Emeritus</i>   | Danny R. Potter<br><i>Dean of Financial &amp; Administrative Services, Emeritus</i>       |
| Gilbert Benton<br><i>English Instructor, Emeritus</i>  | Charles Ferguson<br><i>English Instructor, Emeritus</i>   | Julia Roberts<br><i>ABE/GED Department Chair, Emeritus</i>                                |
| William Bitner<br><i>Chemistry Department Chair, Emeritus</i>                                  | Dorothy Hitt<br><i>Office Administration Department Chair, Emeritus</i>                                   | Joan Rossano<br><i>Administrative Coordinator, Emeritus</i>                               |
| Frankie Blansit<br><i>Sports &amp; Human Performance Instructor &amp; Coach, Emeritus</i>      | Sandra Horine<br><i>Instructor and Department Chair Child Development &amp; Early Childhood, Emeritus</i> | Marcello Joe Rossano<br><i>Dean of Financial &amp; Administrative Services, Emeritus</i>  |
| Thomas L. Bryan<br><i>Instructor of History Instructor, Emeritus</i>                           | William Horine<br><i>Biology Instructor, Emeritus</i>   | Gerald Skidmore<br><i>Dean of Instruction, Student &amp; Community Services, Emeritus</i> |
| José G. Castillo, Jr.<br><i>Associate Dean of Student and Instructional Services, Emeritus</i> | Patsy Klopp<br><i>English Instructor, Emeritus</i>  | Andy Taquard<br><i>Chief of Police, Emeritus</i>  |
| James Corbett<br><i>Mathematics Instructor, Emeritus</i>                                       | Mary Knapp<br><i>Court Reporting Department Chair, Emeritus</i>   |   |
| Allen Bill Crider<br><i>Division Chair, English &amp; Fine Arts, Emeritus</i>                  | James T. Lewis<br><i>Dean of Administrative Services, Emeritus</i>  |   |
|  | Marvin Longshore<br><i>Government Instructor, Emeritus</i>  |   |

## In Memoriam

*The Alvin Community College memorial fountain is dedicated to all who have influenced the lives of others through service to the college.*



# Faculty & Administrative/Professional Staff

**Daniel Abrego**

Programmer  
B.S., Lamar University  
B.S., University of Houston

**Lisa Akheituame**

Instructor of Management Development / TDCJ  
B.A., Malone University  
M.B.A., Texas Woman's University

**Christal M. Albrecht**

President  
A.A.S., SUNY / Jefferson Community College  
B.S., Syracuse University / Utica College  
M.A., Norwich University / Vermont College  
Ed.D., University of Houston

**Sharmeal Archie**

Advisor, Upward Bound Programs  
A.A., Alvin Community College  
B.B.A., University of Houston - Clear Lake

**Linda Austin**

Dean of Professional, Technical & Human Performance  
B.S., University of West Florida  
M.S., University of Tennessee  
Ph.D., University of Houston

**Andrea Baker**

Academic Advisor  
B.A., Texas State University  
M.A., University of Houston-Clear Lake

**Karen Barnett**

Instructor of Legal Studies  
Department Chair, Legal Studies  
B.S., University of Houston  
J.D., University of Houston Law Center

**Leslie Bartosh**

Instructor of Culinary Arts  
Department Chair, Culinary Arts  
A.A.S., Johnson & Wales University

**Roger K. Bell**

Technical Services Librarian  
B.A., University of Texas  
M.L.S., University of Texas

**Frederick Bellows**

Systems/Database Administrator  
UNIX Administration &  
Security/Novell Administration

**Brian Berger**

Instructor of Chemistry  
B.S., University of Houston  
M.S., University of Houston - Clear Lake

**John Bethscheider**

Dean of Legal and Health Sciences  
B.S., Sam Houston State University  
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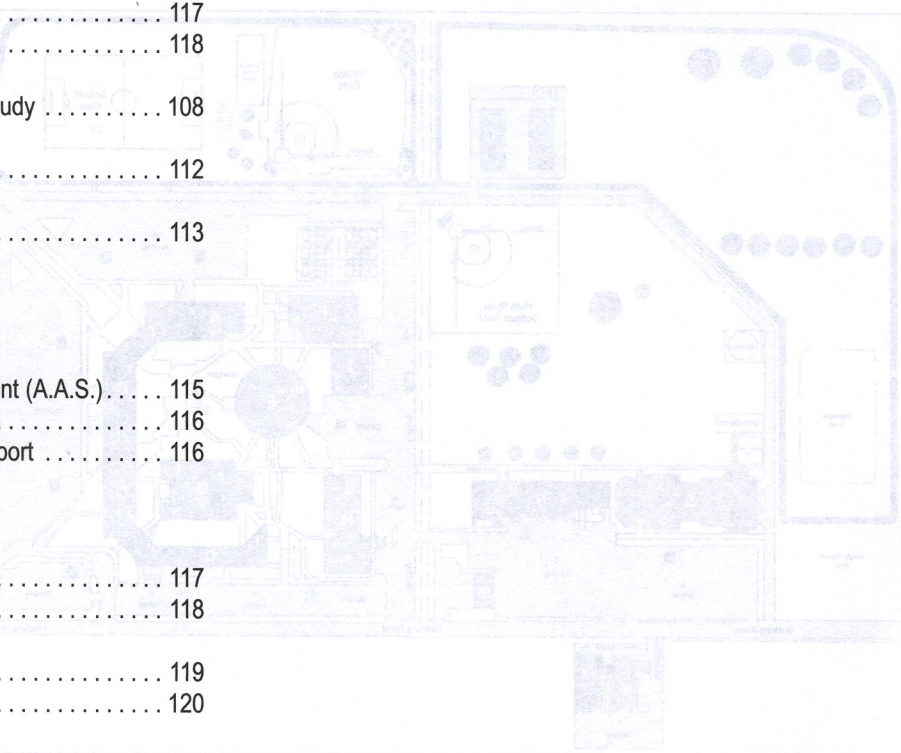
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**How to Reach**  
 Alvin Community College  
 3110 Mustang Road • Alvin, Texas 77511

Alvin Community College is located 25 miles north of Houston and 30 miles north of Galveston on Hwy 35 Bypass in Alvin, Texas.

From Houston: Take Hwy 35 south, or take I-45 south to Webster, then FM 528 west and Hwy 35 Bypass south, or take Hwy 328 south to Harned, then Hwy 6 east and Hwy 35 Bypass south.

From Galveston: Take Hwy 6 to Hwy 35 Bypass south, then Hwy 35 north.

From points south: Use Hwy 35 north.

Alvin Community College is now in Pechardi Branch in courses conveniently located at the University of Houston-Clear Lake Pechardi Campus and Shadow Creek High School.

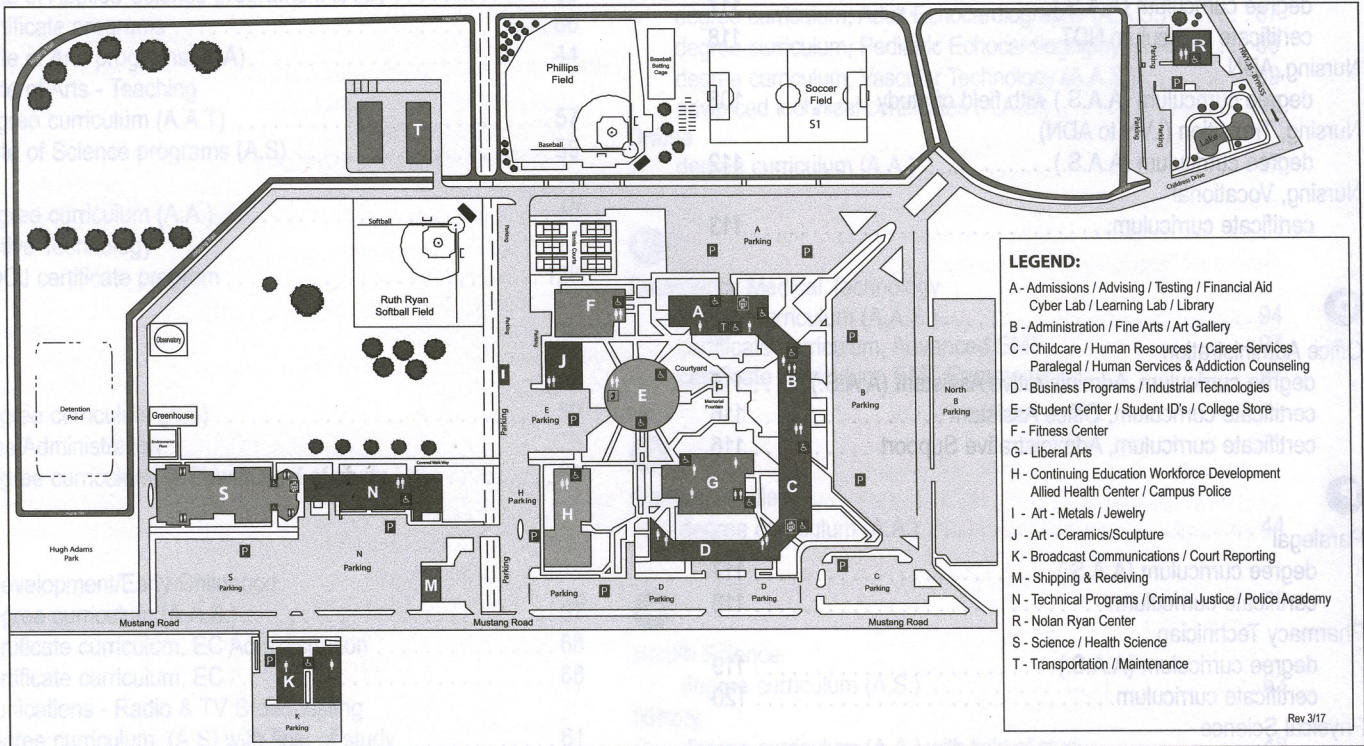
UHCL Pechardi Campus  
 1200 Pechardi Pkwy, Pechardi, Texas 77581

Shadow Creek High School  
 11880 Broadway St, Pechardi, Texas 77581



ALVIN COMMUNITY COLLEGE

# CAMPUS MAP



## How to Reach Alvin Community College 3110 Mustang Road • Alvin, Texas 77511

Alvin Community College is located 25 miles south of Houston and 30 miles north of Galveston on Hwy 35 ByPass in Alvin, Texas.

**From Houston:** Take Hwy 35 south; or take I-45 south to Webster, then FM 528 west and Hwy 35 ByPass south; or take Hwy 288 south to Manvel, then Hwy 6 east and Hwy 35 ByPass south.

**From Galveston:** Take Hwy 6 to Hwy 35 ByPass south.

**From points south:** Use Hwy 35 north.

*Alvin Community College is now in Pearland! Enroll in courses conveniently located at the University of Houston-Clear Lake Pearland Campus and Shadow Creek High School.*

**UHCL Pearland Campus**  
1200 Pearland Pkwy, Pearland, Texas 77581

**Shadow Creek High School**  
11850 Broadway St, Pearland, Texas 77581

