

**Accounting Technology (Certificate of Technical Studies)**

Upon successful completion of the program, the graduate will be able to:

1. Explain basic accounting concepts, such as the accounting equation, and accounting terms, e.g. debits and credits, used in business and government employment positions.
2. Perform basic accounting skills, such as journalizing and posting of transactions and the preparation and analysis of financial statements.
3. Demonstrate the accounting functions with computerized accounting software.
4. Explain auditing and accounting information systems and relate to other accounting functions.
5. Train for accounting careers in bookkeeping and other accounting entry-level employment positions in business and government.

**Auto Body Repair Technician (Technical Diploma and concentration in the Vehicle Maintenance and Repair Technology Associate of Applied Science)**

Upon successful completion of the program, the student will be able to:

1. Demonstrate the skills needed for entry and advanced levels of employment in a collision repair career.
2. Demonstrate the ability to diagnose, repair, and maintain the operation of motor vehicles.
3. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.

**Automotive Technology (Technical Diploma and concentration in the Vehicle Maintenance and Repair Technology Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the skills needed for entry and advanced levels of employment in an automotive technology career.
2. Engage in the servicing and maintenance of all types of automobiles.
3. Demonstrate the appropriate selection, safe use, and maintenance of hand and power tools, jacks, and hoisting equipment.
4. Demonstrate the diagnosis of malfunctions and repair of engines, fuel, electrical, cooling, and brake systems, drive train, and suspension systems.
5. Demonstrate knowledge needed to pass certification exams given by the National Institute for Automotive Service Excellence (ASE).
6. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.

**Aviation Maintenance Technician, Airframe (Certificate of Technical Studies)**

Upon successful completion of the program, the graduate will be able to:

1. Meet Title 14 Code of Federal Regulations Part 56 requirements for Federal Aviation Administration (FAA) Mechanic application for Written, Oral, and Practice testing.
2. Complete the FAA written General and Airframe test with a passing score.
3. Complete the oral and practical General and Airframe test administered by an FAA Designated Mechanic Examiner, with passing scores.

**Aviation Maintenance Technician, Powerplant (Certificate of Technical Studies)**

Upon successful completion of the program, the graduate will be able to:

1. Meet Title 14 Code of Federal Regulations Part 65 requirements for Federal Aviation Administration (FAA) Mechanic application for Written, Oral, and Practical testing.
2. Complete the FAA Written General and Powerplant test with a passing score.
3. Complete the Oral and Practical General and Powerplant test, administered by an FAA Designated Mechanic Examiner, with passing scores.

**Aviation Maintenance Technology (Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate how to identify, troubleshoot, and repair powerplant faults.
2. Demonstrate how to identify, troubleshoot, and repair airframe deficiencies.
3. Demonstrate basic electrical and avionics competencies.
4. Demonstrate familiarity with required regulatory and documentation procedures used in aviation maintenance.

**Biological Sciences concentration, Louisiana Transfer (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Develop competencies in the key concepts in biological science disciplines.
2. Apply the process of science using quantitative reasoning, modeling and technology.
3. Analyze the dynamic interactions of science, technology and society.
4. Develop competencies in biological sciences required for various transfer pathways in biological sciences.

**Business (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Apply accounting terms and concepts to make business decisions.
2. Apply economic theory in business decisions.
3. Organize, analyze, and make information useful by employing mathematic principles.
4. Use oral and written communication skills appropriate to targeted audiences.

**Business Administration (Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Apply accounting terms and concepts to make business decisions;
2. Apply economic theory in business decisions;
3. Use financial tools in making business decisions;
4. Identify legal considerations in a business;
5. Use oral and written communication skills appropriate to targeted audiences;
6. Demonstrate tenets of professionalism including professional image, teamwork, and customer relations; and
7. Use the functions of management to address a standardized management situation in keeping with organizational goals.

**Business Administration (Certificate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Perform basic accounting skills including applying accounting terms and concepts.
2. Apply economic theory in business decisions.
3. Examine challenges of effective organizational communication.

**Care and Development of Young Children (Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the knowledge, skills, and abilities required for various levels of employment in child care centers, nursery schools, recreation centers, public school settings, head start programs, or other areas where caring for young children is the principal function.
2. Discuss the cognitive, physical, emotional, and social growth and development of young children.
3. Demonstrate the ability to plan and implement developmentally appropriate learning experiences that support young children's optimal development socially, emotionally, cognitively, and physically as suggested by the National Association for the Education of Young Children (NAEYC).
4. Prepare for Child Development Associate (CDA) credentialing.
5. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.

**Carpentry (Technical Diploma)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate skills needed for entry and advanced levels of employment in a carpentry career.
2. Demonstrate the ability to build, repair, and maintain residential and commercial buildings.
3. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.

**Computer Networking (Certificate of Technical Studies)**

Upon successful completion of the program, the graduate will be able to:

1. Apply knowledge of the fundamental concepts in computer networking in the workforce.
2. Solve problems using critical thinking skills (analyze, synthesize, and evaluate) independently and in teams.
3. Use technological tools to manage computer networks and data.
4. Comply with established network protocols and policies.
5. Qualify for TestOut Security Pro, Network Pro, and PC Pro certifications.

**Computer Science (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Identify technical requirements for rapidly changing computing problems.
2. Solve computer related problems using critical thinking skills independently and in team settings.

3. Demonstrate the knowledge and skills necessary for transfer to a four-year institution and permit entry into the workforce, according to their career goals.

**Computing and Information Systems (Associate of Applied Science), Software Applications Development Concentration**

Upon successful completion of the program, the graduate will be able to:

1. Use programming techniques, skills, and tools to solve problems in a rapidly changing environment.
2. Communicate effectively with a wide range of audiences by explaining the software development life cycle.
3. Recognize professional, ethical, legal, security, and social issues and responsibilities.
4. Contribute effectively in a team environment to accomplish a common goal.
5. Demonstrate the skills necessary for entry-level employment.

**Computing and Information Systems (Associate of Applied Science), Cloud Computing Concentration**

Upon successful completion of the program, the graduate will be able to:

1. Identify cloud infrastructure mechanisms such as virtual servers, storage, and usage.
2. Apply current technical tools and methodologies to create cloud solutions.
3. Evaluate cloud computing trends, practices, and products.
4. Discuss emerging and fundamental database concepts and technologies.
5. Communicate effectively with a wide range of audiences.

**Computing and Information Systems (Associate of Applied Science), Cybersecurity Concentration**

Upon successful completion of the program, the graduate will be able to:

1. Apply written, oral, and graphical communication in both technical and non-technical environments.
2. Utilize critical thinking skills to collect, analyze, and interpret technical data collected through investigation and experimentation.
3. Evaluate the human role in security systems with an emphasis on ethics, social engineering vulnerabilities and training.
4. Use appropriate security protocols to interpret and forensically investigate security incidents.

**Construction Management (Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Apply effective communication, both orally and in writing.
2. Apply the skills to estimate quantities and costs for the bidding process in a construction project.
3. Apply the aptitude to schedule a basic construction project.
4. Apply current technology related to the construction process.
5. Apply the interpretation of construction documents (contracts, specifications, and drawings) used in managing a construction project.
6. Apply basic principles of construction accounting.
7. Apply basic surveying techniques used in building layout.

8. Understand basic principles of ethics in the construction industry.
9. Understand the fundamentals of contracts, codes, and regulations that govern a construction project.
10. Understand basic construction methods, materials and equipment.
11. Understand basic safety hazards on a construction site and standard prevention measures.
12. Understand the basic principles of structural design.
13. Understand the basic principles of mechanical, electrical and piping systems.

**Cosmetology (Technical Diploma)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the skills needed for employment in a cosmetology career.
2. Demonstrate the knowledge, skills, and abilities to pass the LA State Board of Cosmetology licensure examination.
3. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.

**Criminal Justice concentration, Louisiana Transfer (Associate of Arts)**

Upon successful completion of the program, the graduate will be able to:

1. Communicate in standard edited English, write and speak with clarity, coherence, and persuasiveness.
2. Recognize when information is needed; locate, evaluate, understand, and analyze a variety of texts; and apply that learning to academic, personal, and professional contexts.
3. Think critically, independently, and creatively so that they can make ethical, informed, and logical judgements of the arguments of others, arrive at reasoned and meaningful arguments and positions, and formulate and apply ideas to new contexts.
4. Demonstrate a practical and working knowledge of the American Criminal Justice System process as it relates to police, courts, and corrections.

**Criminal Justice (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate a practical and working knowledge of the American Criminal Justice System process as it relates to Police, Courts, and Corrections.
2. Determine the differences between the major criminological theories of the causes of crime and the evolution of punishment.
3. Explain how perceptions of the criminal justice system vary cross-culturally, and how such differences influence policy and public perception.
4. Demonstrate a practical and working knowledge of the core values of the criminal justice field and the professional code of ethics.

**Culinary Arts and Occupations (Technical Diploma)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the skills needed for entry and advanced levels of employment in a culinary career.

2. Demonstrate the skills needed to work in service, production, fast foods, and baking areas of the food service industry.
3. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.

**Customer Service and Sales (Career and Technical Certificate)**

Upon successful completion of the program, the graduate will be able to:

1. Describe various approaches to personal selling and its role in organizations.
2. Identify the key functions of a business.
3. Demonstrate the ability to work successfully in a team.
4. Demonstrate skills (create, edit, organize, and visually enhance documents) using four basic software applications incorporated in Microsoft Office, with an emphasis on advanced topics in Microsoft Excel.

**Diagnostic Medical Sonography (Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Obtain, review, and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results.
2. Recognize the importance of patient care and comfort.
3. Record, analyze, and process diagnostic data and other pertinent observations made during the procedure for presentation to the interpreting physician.
4. Demonstrate sound clinical judgment in the performance of sonographic and other diagnostic services.
5. Demonstrate appropriate communication skills with patients, families and colleagues.
6. Demonstrate professionalism and ethical behavior.
7. Provide patient education related to medical ultrasound and other diagnostic procedures.

**Diesel Heavy Truck Technology (Technical Diploma and concentration in the Vehicle Maintenance and Repair Technology Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the skills needed for entry and advanced levels of employment in the diesel heavy truck technology industry.
2. Demonstrate the diagnosis of malfunctions and repair of engines, fuel, electrical, cooling, and brake systems, drivetrain, and suspension systems.
3. Demonstrate the knowledge needed to pass the certification exams given by the National Institute for Automotive Service Excellence (ASE).
4. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.
5. Demonstrate the writing, math, science, and interpersonal skills of a diesel heavy truck technology professional.

**Digital Cinema Production (Career and Technical Certificate)**

Upon successful completion of the program, the graduate will be able to:

1. Develop digital video projects using structural elements such as tracks, timelines, and layers.
2. Create visual elements and effects as part of a digital video project.
3. Publish and export projects using media encoders.

**Drafting and Design Technology (Technical Diploma and concentration in the Technical Studies Associate of Applied Science):**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the essential knowledge and skills required for efficient and productive performance in the drafting field.
2. Demonstrate fundamental manual drafting skills with introductory training in several drafting disciplines and fundamentals in Computer Aided Drafting.
3. Demonstrate the skills for one or more areas of specialization which includes intensive applications of Computer Aided Drafting in the selected discipline.
4. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.

**Emergency Medical Technician, Paramedic (Certificate of Technical Studies)**

Upon successful completion of the program, the graduate will be able to:

1. Integrate comprehensive knowledge of Emergency Medical Service systems, safety/well-being of the paramedic, and medical/legal and ethical issues, research, workplace safety and wellness, documentation and therapeutic communication which is intended to improve the health of EMS personnel, patients, and the community (Preparatory).
2. Integrate a complex depth and comprehensive breadth of knowledge of the anatomy and physiology of all human systems (Anatomy and physiology).
3. Integrate comprehensive anatomical and medical terminology and abbreviations into the written and oral communication with colleagues and other health care professionals (Medical Terminology).
4. Integrate comprehensive knowledge of pathophysiology of major human systems (Pathophysiology).
5. Integrate comprehensive knowledge of life span development (Life Span Development).
6. Apply fundamental knowledge of principles of public health and epidemiology including public health emergencies, health promotion, and illness and injury prevention (Public Health).
7. Integrate comprehensive knowledge of principles of pharmacology, medication administration, and emergency medications to formulate a treatment plan intended to mitigate emergencies and improve the overall health of the patient (Pharmacology).
8. Integrate complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patent airway, adequate mechanical ventilation, and respiration for patients of all ages (Airway Management, Respiration, and Artificial Ventilation).
9. Integrate scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression. This includes developing a list of differential

- diagnoses through clinical reasoning, history taking, secondary assessment, monitoring devices and reassessment to modify the assessment and formulate a treatment plan (Patient Assessment).
10. Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with medical, neurology, abdominal and gastrointestinal, immunology, infectious disease, endocrine, psychiatric, cardiovascular, toxicology, respiratory, hematology, genitourinary/renal, gynecology, non-traumatic musculoskeletal, eyes, ears, nose and throat, and shock complaints (Medicine).
  11. Integrate comprehensive knowledge of causes and pathophysiology into the management of cardiac arrest and peri-arrest states (Shock and Resuscitation).
  12. Integrate assessment findings with principles of epidemiology and pathophysiology to formulate a field impression to implement a comprehensive treatment/disposition plan for an acutely injured patient with bleeding, chest, abdominal, genitourinary, orthopedic, soft tissue, head, facial, neck, and spine, nervous system, special considerations, environmental emergencies, and multi-system trauma (Trauma).
  13. Integrate assessment findings with principles of pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for patients with obstetrics, neonatal, pediatric, geriatric, and special challenges needs (Special Patient Population).
  14. Demonstrate knowledge of operational roles and responsibilities to ensure safe patient, public, and personnel safety as related to operating a ground ambulance, incident management, multiple casualty incidents, air medical, vehicle extrication, hazardous materials awareness and mass casualty incidents (EMS Operations).

*[The outcomes above are based on official U.S. Department of Transportation (US DOT) National Emergency Medical Services (EMS) Education Standards (with related Instructional Guidelines). These objectives are designed to prepare students with the education and skills necessary to sit for the National Registry of Emergency Medical Technicians (NREMT) Paramedic certification examination.]*

### **Enrolled Agent (Certificate of Technical Studies)**

Upon successful completion of the program, the student will be able to:

1. Complete and electronically transmit a federal tax return.
2. Identify the different forms of business organizations.
3. Calculate taxable income, tax due, deductions, and credits for all legal entities.
4. Calculate payroll taxes.

### **Entertainment Technologies (Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Apply the competencies learned in the classroom to work in the fields of Film, Interactive Digital Media, and/or Audio Recording and Engineering.
2. Use Core Area-specific software to create and/or develop a work-ready portfolio for application to work in an Entertainment Technology-related field.
3. Articulate the process of the creation of entertainment products.



**Fine Arts concentration, Louisiana Transfer (Associate of Arts)**

Upon successful completion of the program, the graduate will be able to:

1. Communicate in standard edited English, write and speak with clarity, coherence, and persuasiveness.
2. Recognize when information is needed; locate, evaluate, understand, and analyze a variety of texts; and apply that learning to academic, personal, and professional contexts.
3. Think critically, independently, and creatively so that they can make ethical, informed, and logical judgements of the arguments of others, arrive at reasoned and meaningful arguments and positions, and formulate and apply ideas to new contexts.
4. Demonstrate an understanding of the creative process of the fine arts, the pleasures and challenges of artistic expression, and the role and value of the arts in society and culture.

**General Business concentration, Louisiana Transfer (Associate of Arts)**

Upon successful completion of the program, the graduate will be able to:

1. Communicate in standard edited English, write and speak with clarity, coherence, and persuasiveness.
2. Recognize when information is needed; locate, evaluate, understand, and analyze a variety of texts; and apply that learning to academic, personal, and professional contexts.
3. Think critically, independently, and creatively so that they can make ethical, informed, and logical judgements of the arguments of others, arrive at reasoned and meaningful arguments and positions, and formulate and apply ideas to new contexts.
4. Apply accounting terms and concepts to make business decisions.

**General Science (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate knowledge of the basic principles of biology, chemistry, physics, other science disciplines, and mathematics as determined by the student's individual study plan.
2. Apply the process of science using quantitative reasoning, modeling and technology.
3. Analyze the dynamic interactions of science, technology and society.

**General Studies (Certificate)**

Upon successful completion of the program, the graduate will be able to:

1. Communicate in standard edited English, write and speak with clarity, coherence, and persuasiveness.
2. Recognize when information is needed and have the ability to locate, evaluate, understand, and analyze a variety of texts and apply that learning to academic, personal, and professional contexts.
3. Comprehend and apply quantitative and scientific principles, concepts and methods.
4. Demonstrate an understanding of the creative process, the pleasures and challenges of artistic expression, and the role and value of the arts in society and culture.

5. Think critically, independently, and creatively so that they can make ethical, informed and logical judgments of the arguments of others, arrive at reasoned and meaningful arguments and positions, and formulate and apply ideas to new contexts.

### **Graphic Arts (Certificate of Technical Studies)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate effective craftsmanship, creative problem solving, and critical thinking techniques by producing quality digital art projects.
2. Develop personal aesthetic and technical proficiency within the context of contemporary visual communication using professional-level design software.
3. Acquire practical and technical job skills necessary to secure entry-level employment in a graphic design field.
4. Develop professional application skills required to secure employment including a portfolio, curriculum vitae, and interviewing skills.

### **Horticulture Technician (Technical Diploma)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the skills needed for entry and intermediate levels of employment in the areas of production and management in horticultural enterprises.
2. Demonstrate the skills needed for nurseries, landscaping, turf installation, interior-scaping, and professional lawn care.
3. Demonstrate the ability to install plants and diagnose ailments in plants (including lawns), knowledge of laws and regulations of the industry, and specialize in plant identification.
4. Demonstrate safe and efficient work practices, legal and efficient work practices, licensed and certified knowledge of the field, employability skills, and strong work ethics.
5. Demonstrate knowledge and skills necessary to pass licensing exams administered by the Louisiana Department of Agriculture and Forestry, Horticulture Commission, and the Louisiana Nursery and Landscape Association.

### **Humanities concentration, Louisiana Transfer (Associate of Arts)**

Upon successful completion of the program, the graduate will be able to:

1. Communicate in standard edited English, write and speak with clarity, coherence, and persuasiveness.
2. Recognize when information is needed; locate, evaluate, understand, and analyze a variety of texts; and apply that learning to academic, personal, and professional contexts.
3. Think critically, independently, and creatively so that they can make ethical, informed, and logical judgements of the arguments of others, arrive at reasoned and meaningful arguments and positions, and formulate and apply ideas to new contexts.
4. Recognize and understand cultural diversity and have a global perspective grounded in the understanding of international cultures, issues, and trends linking communities around the world.

**HVAC/R Technician (Technical Diploma and concentration in the Technical Studies Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the skills needed for entry and advanced levels of employment in an air conditioning and refrigeration career.
2. Demonstrate the installation, diagnosis, repair, and maintenance of residential heating, air conditioning, and refrigeration systems.
3. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.

**Information Technology (Technical Diploma)**

Upon successful completion of the program, the graduate will be able to:

1. Resolve common networking issues.
2. Configure servers in a business environment.
3. Practice communication, problem-solving, and decision-making skills by using appropriate technology.
4. Acquire proper industry-recognized credentials which will prepare students for high-demand and high-skill job employment.

**Liberal Arts (Associate of Arts)**

Upon successful completion of the program, the graduate will be able to:

1. Communicate in standard edited English, write and speak with clarity, coherence, and persuasiveness.
2. Recognize when information is needed and have the ability to locate, evaluate, understand, and analyze a variety of texts and apply that learning to academic, personal, and professional contexts.
3. Think critically, independently, and creatively so that they can make ethical, informed and logical judgments of the arguments of others, arrive at reasoned and meaningful arguments and positions, and formulate and apply ideas to new contexts.
4. Recognize and understand cultural diversity and have a global perspective grounded in the understanding of international cultures, issues, and trends linking communities around the world.

**Medical Assistant (Certificate of Technical Studies)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the knowledge, skills, and abilities required of generalists in allied health professionals in physician's offices and health clinics.
2. Sit for the national certification exam administered by the National Association for Health Professionals.
3. Perform medical office administrative and clinical procedures following universal precautions for safety, as well as parish, state, and federal law.
4. Complete administrative tasks and clinical procedures within applicable parish, state, and federal law.

**Music Studio Production (Career and Technical Certificate)**

Upon successful completion of the program, the graduate will be able to:

1. Judge the quality of room acoustics and alter the space in order to tune the room for a specific audio need.
2. Choose and place microphones that are appropriate for specific instruments and performance spaces.
3. Master a final product for use as an independent contractor.

**NCCER Electrical (Technical Diploma and concentration in the Technical Studies Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Apply electrical theory and tools in residential and construction environments.
2. Integrate various electrical devices to construct electrical systems.
3. Employ electrical calculations to size and troubleshoot electrical systems.
4. Demonstrate knowledge of the National Electrical Code and its application to various industries.
5. Demonstrate proper safety, use, maintenance, and storage of electrical equipment.

**NCCER Instrumentation (Technical Diploma and concentration in the Technical Studies Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Employ proper techniques for use and storage of instrumentation equipment.
2. Categorize common instrumentation systems, components, and their uses.
3. Inspect instrumentation systems and components.
4. Integrate various devices to construct an instrumentation system.

**NCCER Millwright (Technical Diploma and concentration in the Technical Studies Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the ability to install, repair, and maintain industrial machinery and equipment.
2. Perform preventive and predictive maintenance tasks identified through examination of industrial machinery and equipment.
3. Safely operate rigging and hoisting equipment.
4. Utilize various hand and precision measuring tools to perform layouts.

**NCCER Pipefitting (Technical Diploma and concentration in the Technical Studies Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate proper use of pipefitting tools.
2. Fabricate piping systems through welding and machining processes.
3. Employ safe rigging practices and hazard identification to assemble a piping system.
4. Perform maintenance on piping systems and components.

**Nursing (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Apply the nursing process in managing the holistic needs of the patient.
2. Use critical-thinking as the foundation for clinical decision-making.
3. Communicate effectively with individuals, families, and the healthcare team.
4. Develop safe caring nursing interventions with respect to the patient's cultural values.
5. Integrate teaching and learning processes to promote and maintain health, reduce risk, and facilitate informed decision-making.
6. Collaborate with the patient, family, community, and health care team to promote client goals and outcomes.
7. Manage resources in an effective and efficient manner to provide safe quality care.
8. Demonstrate professional behaviors and adherence to ethical, legal, and regulatory frameworks and standards of professional practice.

**Paralegal Studies (Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate legal research and writing skills pertinent to the paralegal profession.
2. Demonstrate knowledge of state and federal court litigation, procedures, and terminology.
3. Demonstrate organizational and computer skills necessary for law office functions.
4. Recognize ethical issues that arise in a legal work environment and apply rules of professional conduct.

**Pharmacy Technician (Certificate of Technical Studies)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate career readiness, including effective communication with other health professionals and patients, proper telephone etiquette, protocol, required identification, and professional attire.
2. Demonstrate knowledge of pharmacy laws and regulations as they pertain to pharmacy technician responsibilities, including application of procedures of the Drug Enforcement Administration (DEA) and state requirements for controlled substances and the role of the Louisiana Board of Pharmacy and the regulations that pertain to pharmacy technicians.
3. Demonstrate knowledge of drug nomenclature, an understanding of the classes of drugs, the various dosage forms and issues pertaining to their stability, the various factors that could affect drug activity, and proficiency in the dispensing of drugs.
4. Perform duties of the pharmacy technician including the process of prescriptions and/or medication orders, the maintenance of a patient profile/information system as directed by a pharmacist, proper procedure for materials management including ordering, receiving, and storing drugs, manufacturer drug labels, and inventory control and accountability for drugs.
5. Demonstrate knowledge and skills needed to be successful on the National Pharmacy Technician Certification Examination.

**Physical Science concentration, Louisiana Transfer (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Develop competencies in the key concepts in physical science disciplines.

2. Apply the process of science using quantitative reasoning, modeling and technology.
3. Analyze the dynamic interactions of science, technology and society.
4. Develop competencies in physical sciences required for various transfer pathways in physical sciences.

### **Practical Nursing (Technical Diploma)**

Upon successful completion of the program, the graduate will be able to:

1. Perform nursing care skills and responsibilities safely and effectively in a variety of client care settings within the legal and ethical framework of the entry-level practical/vocational nurses' scope of practice.
2. Apply critical thinking skills and the nursing process in the development of plans of care and when assisting individuals to reach their maximum level of wellness.
3. Utilize a holistic approach to assist individuals of different ages, genders, races and cultures to meet their basic needs and maintain homeostasis while providing organized quality nursing care.
4. Communicate and collaborate effectively with clients, families, and members of the health care team.
5. Reinforce client and family teaching for the provision of supportive and restorative care in a variety of health care settings across the lifespan.
6. Demonstrate accountability for vocational and professional behavior as the practical/vocational nurse and a commitment to continuing education and personal growth in the practice of nursing.

### **Pre-Engineering (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Employ principles of mathematics and applied science toward engineering problems;
2. Design and conduct laboratory experiments that include data collection and analysis;
3. Work effectively as a team member;
4. Identify, formulate and solve basic engineering problems;
5. Practice professional and ethical responsibility; and
6. Identify the roles of engineers in society.

### **Process Technology (Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Work effectively as a team member and demonstrate that they can exhibit professional and ethical behavior in the workforce.
2. Operate process technology equipment and systems as a process technician.
3. Practice environmental safety and health guidelines as a process technician.

### **Retail Management (Certificate of Technical Studies)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate tenets of professionalism including professional image, teamwork, and customer relations.
2. Evaluate the impact of laws and regulations pertaining to the role and responsibilities of a retail manager.

3. Interpret the differences and similarities between leadership, power, and management.

**Social Sciences concentration, Louisiana Transfer (Associate of Arts)**

Upon successful completion of the program, the graduate will be able to:

1. Communicate in standard edited English, write and speak with clarity, coherence, and persuasiveness.
2. Recognize when information is needed; locate, evaluate, understand, and analyze a variety of texts; and apply that learning to academic, personal, and professional contexts.
3. Think critically, independently, and creatively so that they can make ethical, informed, and logical judgements of the arguments of others, arrive at reasoned and meaningful arguments and positions, and formulate and apply ideas to new contexts.
4. Demonstrate understanding of social scientific methodology.

**Sterile Processing (Career and Technical Certificate)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate appropriate and effective methods of communication with members of the sterile processing and surgical teams, with sensitivity and appreciation for individual differences.
2. Demonstrate behavior that reflects integrity, supports objectivity and promotes trust in the profession and its practitioners.
3. Integrate knowledge from biological sciences with concepts of sterile processing to ensure safe handling of reusable medical devices.
4. Perform proficiently and competently as a sterile processing technician in the cognitive, psychomotor and affective learning domains.
5. Display responsible habits when lead to life-long professional and personal growth.

**Surgical Technology (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Display civic-minded values, acknowledging the dignity, equality and the value of every individual in order to practice ethically and legally in the role of the surgical technologist.
2. Demonstrate behavior that reflects integrity, supports objectivity and promotes trust in the profession and its practitioners.
3. Apply intercultural, diversity and developmental concepts in the delivery of perioperative patient care as the surgical technologist.
4. Integrate knowledge from biological and psychological sciences with concepts of surgical technology to perform the role of the surgical technologist.
5. Perform proficiently and competently as an entry-level surgical technologist in the cognitive, psychomotor and affective learning domains.
6. Communicate appropriately and interact effectively with patients, members of the surgical team, and the community with sensitivity and appreciation for individual differences.
7. Display responsible habits which lead to life-long professional and personal growth.

**Teaching Grades 1 – 5 (Associate of Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate effective written and verbal communications skills, mathematical proficiency related to the field, a knowledge of culture and society, and an understanding of the physical and biological world (both in class work and through passing the general and content knowledge tests required for state teacher certification).
2. Demonstrate the ability to analyze major theories of human learning and development, child psychology, culture, diversity, student rights, and exceptionalities.
3. Demonstrate knowledge of professionalism, curriculum, planning, observation, and assessment techniques necessary to be effective in the classroom with students in grades 1-5.

**Veterinary Technology (Associate of Applied Science)**

Upon successful completion of the program, the student will be able to:

1. Perform office and veterinary practice management procedures, including client relations, communication and grief counseling.
2. Recognize pharmacy and pharmacology products, and perform pharmacy protocols, and procedures.
3. Perform patient assessment and nursing management while using proper restraint techniques.
4. Prepare anesthetic delivery systems, administer anesthesia and analgesia, and properly monitor patients during and after anesthesia.
5. Prepare and maintain the surgical area, assist the veterinarian during surgical procedures, and perform dental prophylactic procedures.
6. Collect and process samples for diagnostic laboratory work and for veterinary diagnostic tests.
7. Prepare and maintain equipment for imaging and produce standard diagnostic images.

**Web Development (Career and Technical Certificate)**

Upon successful completion of the program, the graduate will be able to:

1. Utilize valid, standards-based code to create web pages.
2. Use CSS3 to shape content on web pages.
3. Create interactive web pages with JavaScript.

**Welding (Technical Diploma and concentration in the Technical Studies Associate of Applied Science)**

Upon successful completion of the program, the graduate will be able to:

1. Demonstrate the skills needed for entry and advanced levels of employment in a welding career;
2. Demonstrate various processes and techniques of welding including oxyfuel cutting, carbon arc cutting, shielded metal arc welding, gas tungsten arc welding, flux-cored arc welding, gas metal arc welding, pipe and structural plate welding, and plasma arc cutting;
3. Demonstrate the skills designated by the AWS (American Welding Society) and be prepared to take the AWS entry-level welding test; and
4. Demonstrate safe and efficient work practices, basic occupational skills, employability skills, and strong work ethics.