

Lamar State College Port Arthur

# Program Learning Outcomes

Academic and Technical Program Learning Outcomes

Office of Institutional Effectiveness  
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### **Academic Programs**

This Division is responsible for scheduling and administering the courses that transfer to four-year institutions, allied health programs that lead to certification or licensure, non-credit continuing courses, on-line courses, and courses conducted for dual credit in area high schools.

#### **General Education and Developmental Studies**

The General Education and Developmental Studies (GEDS) department provides instruction in the areas of Mathematics and Sciences, Liberal Arts, and Developmental Education. The curriculum in the GEDS department is designed to meet the requirements of the college's Core curriculum and to provide students with the background necessary to enable them to succeed following transfer to a baccalaureate program. Also, courses are offered as the academic foundation for Associate of Applied Science degrees.

#### **Health, Fitness, and Sports**

The Department of Health, Fitness, and Sport provides a broad series of programs that enhance the mental, social, and physical well-being of the students, faculty, and staff. Courses offered from within the department fulfill the requirements for an Associate of Arts degree with an emphasis in Kinesiology. Personal enrichment courses and sport activities enrich the lives of everyone associated with the Lamar State College-Port Arthur community.

### **LSCPA Associate of Arts Degrees**

#### **Academic Studies**

The Associate of Arts degree in Academic Studies curriculum is designed for students who plan to pursue a baccalaureate degree but are undecided about a specific major. The degree plan provides a core curriculum that will transfer to any state-supported college or university in Texas. It includes the general education requirements for almost any baccalaureate degree. Electives beyond the Core Curriculum allow students to explore various disciplines in order to determine a major.

#### **Business Administration**

The Associate of Arts degree in Business Administration curriculum is designed for students who plan to pursue a bachelor of Business Administration degree. The curriculum parallels the first two years of study in business administration at state-supported colleges and universities in Texas and follows the field-of-study curriculum prescribed by the *Texas Higher Education Coordinating Board*.

#### **Criminal Justice**

The Criminal Justice curriculum is designed for students who plan to pursue a bachelor's degree in Criminal Justice. The curriculum requires coursework in basic criminal justice principles and concepts and allows students to complete the degree plan. The degree plan follows the field-of-study curriculum prescribed by the *Texas Higher Education Coordinating Board*.

## **Drama**

The Drama curriculum is designed for students who plan to pursue a baccalaureate degree with a major in theater or a pre-professional degree in law. The degree plan provides a Core Curriculum that will transfer to any state supported college or university in Texas. It includes the general education requirements for almost any baccalaureate degree. The electives beyond the Core Curriculum allow students to explore various aspects of the performing arts.

## **Studio Art**

The Associate of Arts degree in Studio Art curriculum is designed for students who plan to work toward a traditional Bachelor of Arts degree or a professional Bachelor of Fine Arts degree. It also is recommended for students who are undecided about majoring in art but who would like to explore their artistic abilities.

## **Teaching, Art, EC-12**

The Teaching Music EC 12 curriculum is the first two years of a track designed for students who plan to complete a bachelor's degree and be certified to teach music in the public schools. The degree was developed by the *Texas Higher Education Coordinating Board* and serves as a guide for colleges and universities in structuring the first two years of a curriculum for art education majors.

## **Teaching, Music, EC-12**

The Teaching Music EC 12 curriculum is the first two years of a track designed for students who plan to complete a bachelor's degree and be certified to teach music in the public schools. The degree was developed by the *Texas Higher Education Coordinating Board* and serves as a guide for colleges and universities in structuring the first two years of a curriculum for music education majors.

## **Teaching, Physical Education, EC-12**

The Teaching, Physical Education, EC-12 curriculum is the first two years of a track designed for students who plan to complete a bachelor's degree and be certified to teach physical education in the public schools. The degree was developed by the *Texas Higher Education Coordinating Board* and serves as a guide for colleges and universities in structuring the first two years of a curriculum for physical education majors.

## **Teaching, Theatre Arts. EC-12**

The Teaching, Theatre Arts, EC 12 curriculum is the first two years of a track designed for students who plan to complete a bachelor's degree and be certified to teach music in the public schools. The degree was developed by the *Texas Higher Education Coordinating Board* and serves as a guide for colleges and universities in structuring the first two years of a curriculum for music education majors.

### **Associate of Arts Program Learning Outcomes**

1. Critical Thinking Skills – Uses creative thinking, innovation, inquiry and analysis, evaluation and synthesis of information.
2. Communication Skills – Demonstrates effective development, interpretation and expression of ideas through written, oral and/or visual communication.
3. Empirical and Quantitative Skills – Applies the manipulation and/or analysis of numerical data or observable facts resulting in informed conclusions.
4. Teamwork Skills- Shows the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.
5. Social Responsibility Skills - Expresses intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
6. Personal Responsibility Skills – Integrates choices, actions and consequences in ethical decision-making

### **Course Learning Outcomes**

Student learning outcomes describe what students should be able to demonstrate in terms of knowledge, skills, and attitudes upon completion of a course. When offering the courses, institutions must include all topics in the Academic Course Guide Manual (ACGM) description and provide instruction to cover and assess all of the learning outcomes. Institutions may not delete any topics in the course descriptions or any of the student learning outcomes as provided in the ACGM. Based on local needs, an institution may include additional topics and learning outcomes. Additional topics and learning outcomes should not change the focus and primary function of the course as represented by the topics and learning outcomes in the ACGM.

The introductory phrase to the list of learning outcomes “Upon successful completion of this course, students will” is a style convention used to provide uniformity in the ACGM. The phrase does not indicate a specific timing or method of assessment. Assessment method and timing within the duration of the course is discretionary for the institution and may be different depending upon the discipline and instructional methods used in the delivery of the course.

## Technical Programs

The Technical Programs Division offers technical education programs designed to provide students with the knowledge and skills necessary for employment in business and industry. Lamar State College-Port Arthur offers technical programs in fields that include allied health, business, industry, music, nursing, and art. Students enrolled in technical programs are taught by qualified instructors that have significant work experience and/or professional certifications in their field. Faculty use state-of-the-art equipment such as simulation labs, computer modeling, automotive engines, sound equipment, analyzers, and electrical circuits to provide students with a realistic experience in the classroom or lab.

## LSCPA Associate of Applied Science Degrees

### Allied Health

The Allied Health Department believes that learning is a continuous life-long process and maintains that each student has dignity and worth and brings unique experiences to the educational environment. The curriculum is based on clearly-stated objectives, relevant content and experiences, and evaluation of program components and outcomes. The Department is dedicated to produce well educated health care providers with the skills, knowledge, dedication, philosophy and competence to meet the needs of the community.

### **Associate of Applied Science Substance Abuse Counseling**

#### **Program Learning Outcomes**

- Demonstrates effective, ethical, multicultural care for a diverse group of individuals within the scope of practice of a professional counselor in the field of behavioral addictions and substance use disorders.
- Demonstrate the ability to conduct professional screening, assessment, treatment planning, prevention and education, case coordination services, and documentation of those services as a Substance Abuse Counselor.
- Identify and demonstrate knowledge of the basics of counseling principles, theories and skills to include crisis management.
- Demonstrate knowledge of the various models and theories of behavioral addictions and substance use disorders and other problems related to addiction.

### **Associate of Applied Science Surgical Technology**

#### **Program Learning Outcomes**

- Uses appropriate terminology related to anatomy and physiology, instruments, suturing, accessory equipment, and specialized equipment associated with surgical procedures.
- Operates as a surgical technologist in the scrub role during all basic surgical procedures.
- Demonstrates a surgical consciousness that promotes maintenance of a sterile field.
- Practices within the legal and ethical framework of the surgical technologist.

### **Associate of Applied Science Upward Mobility LVN to ADN Nursing**

#### **Program Learning Outcomes**

- Adhere to standards of practice within legal, ethical, and regulatory frameworks of the professional nurse while promoting safety and quality improvement as an advocate and manager of nursing care.
- Use a systematic problem-solving process to provide individualized, evidence-based nursing health care settings demonstrating knowledge of delegation, management, and leadership skills.
- Use clinical reasoning and knowledge based upon the nursing program of study, evidence-based practice outcomes, and research based policies and procedures for decision-making, demonstration of skills with patient care technologies and information systems, and providing comprehensive, safe patient care.
- Coordinate, collaborate and communicate with diverse patients, families and the interdisciplinary health care team to plan, deliver, and evaluate evidence-based safe care that reflects the value and ethics of the nursing profession.

### **Associate of Applied Science Vocational Nursing (LVN)**

#### **Program Learning Outcomes**

- Functions within the legal, ethical, and regulatory standards of the nursing profession.
- Uses a systematic, problem-solving process in the care of multiple patients who have predictable health care needs to provide safe, individualized, goal-directed nursing care.
- Adopts an approach to nursing practice that promotes safety for patients, significant others, self, and members of the health care team.
- Cooperates with members of the interdisciplinary health care team to provide optimum, evidence-based, safe care to patients.

### **Business and Industrial Technology**

The Business and Industrial Technology Department provides quality instructional programs that prepare students for entry into the workforce. A learning environment in the new multi-million dollar Umphrey Industrial Training Center provides hands on training using state-of-the-art equipment. The experience offers students a "real world" understanding of each program.

### **Associate of Applied Science Accounting**

#### **Program Learning Outcomes**

- Utilize software to perform accounting tasks.
- Record transactions for all types of accounting transactions applying GAAP (Generally Accepted Accounting Principles).
- Prepare and analyze accounting reports.
- Define accounting terminology.
- Demonstrate ethical written and verbal skills.

**Associate of Applied Science Business Office Management****Program Learning Outcomes**

- Demonstrates professionalism in the administrative workplace environment.
- Uses appropriate business administration skills.
- Uses appropriate office software applications.
- Creates effective business documents by applying ethical communication practices.
- Evaluates business documents.

**Associate of Applied Science Cosmetology (operator & Instructor)****Program Learning Outcomes**

- Models professional and ethical behavior.
- Practices all sanitary and safety measures that protect individual and public health.
- Demonstrates and instructs proficiency in all cosmetology skills.
- Prepares to pass the state board requirements.

**Associate of Applied Science Culinary Arts & Hospitality****Program Learning Outcome**

- Identify concepts, terms, and phrases associated with the culinary arts and hospitality industry.
- Identify and implement sanitation and safety procedures and regulations as required in the industry.
- Use fundamental cooking and baking techniques as well as advanced cooking skills.
- Identify and use advanced food service management theory, including food and labor cost controls, labor regulations, tax laws, tip reporting, franchise regulations and product liability laws.

**Associate of Applied Science Drafting Technology****Program Learning Outcomes**

- Utilize drafting and CAD terminology, symbols and commands.
- Practice ethical and professional practices in drafting.
- Draw completed sets of plans for construction and manufacturing.
- Utilize mathematical principles and measurements in order to create drawings.

**Associate of Applied Science Heating, Ventilation, and Air Conditioning (HVAC)****Program Learning Outcomes**

- Demonstrates standard safety procedures as required in industry.
- Troubleshoots air conditioning, heating, and refrigeration systems.
- Prepares to pass the EPA Section 608 certification exam.
- Demonstrates ability to read diagrams and schematics.
- Identifies shop tools.
- Demonstrates an understanding of electricity.

**Associate of Applied Science Instrumentation****Program Learning Outcomes**

- Identify control panel indicators, calibration tools, electrical parts, and how they work.

- Utilize a multimeter and oscilloscope to differentiate between two AC signals with respect to voltage, current, and power.
- Apply electronic circuit fabrication techniques to industry standards.
- Explain the static and dynamic aspects of processes.
- Analyze level and gas measurements to determine proper operating parameters of specific process and electrical equipment.
- Demonstrates standard safety procedures as required in industry.

### **Associate of Applied Science Medical Coding Specialist**

#### **Program Learning Outcomes**

- Identify, pronounce, and spell medical terms.
- Translate and interpret health abbreviations and symbols.
- Utilize medical software applications.
- Extract information from health records for appropriate code validation.
- Sequence codes according to established guidelines and standards.
- Analyze current health care trends.

### **Associate of Applied Science Medical Office Administration**

#### **Program Learning Outcomes**

- Utilize computer software for basic office functions.
- Uses medical terminology, jargon, and abbreviations correctly.
- Define general legal terms as they apply to the practice of medicine in ambulatory care settings.
- Understand and apply ethics relevant to medical coding and medical office practice.
- Apply ICD and CPT rules and guidelines to complete claims forms for submission.

### **Associate of Applied Science Paralegal**

#### **Program Learning Outcomes**

- Understand legal terms and the paralegal's role in the legal environment.
- Apply correct drafting procedures to transactional and court documents.
- Demonstrate appropriate ethics and professionalism in the legal environment.
- Exhibit the ability to use computer skills.

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

#### **Program Learning Outcomes**

- Use technology to access operator-specific documentation and training.
- Identify specific equipment and operating parameters to meet industry standards.
- Describe the principles of quality control.
- Diagram the process control elements in a control loop.
- Identify basic processes, equipment, and systems to meet industry standards.
- Implement standard safety procedures as required in industry.

### **Associate of Applied Science Software Developer/Game Design**

#### **Program Learning Outcomes**

- Utilize basic software development terminology and concepts.



- Apply a software-development process to develop and troubleshoot a software product.
- Create computer graphics for inclusion into a software product.
- Explain ethical practices within the computer field.
- Identify procedures for security risk management in the computer field.

### **Commercial Music, Visual and Performing Arts**

The Commercial Music program is designed to provide you with a core curriculum that exposes you to a diverse set of skills and experiences needed to step into today's music production and business practices. It allows you to focus on particular skills to gain additional knowledge and experience in the today's music industry.

#### **Associate of Applied Science Audiovisual Production**

##### **Program Learning Outcomes**

- Demonstrate basic proficiency in creating original music and audio that supports the visual narrative.
- Demonstrate basic proficiency in short-form video production & editing, media delivery formats, and audiovisual workflow.
- Recognize and observe professional best practices in the audiovisual field, including the various roles in film, audio engineering, and media.
- Produce a final portfolio and resume suitable for entry-level employment in the audiovisual field.

#### **Associate of Applied Science Commercial Music Performance**

##### **Program Learning Outcomes**

- Applies commercial music performance techniques to professional practice.
- Applies commercial music sound engineering technology to support performance practices.
- Applies basic music industry principles to professional practice.
- Demonstrates professional behavior as characterized by a commitment to the profession.

#### **Associate of Applied Science Graphics Design**

##### **Program Learning Outcomes**

- Prepares design elements for inclusion into a digital product
- Creates original design elements for inclusion into a portfolio
- Describes current trends in graphic design.
- Demonstrates ethics and professionalism within the graphic design field.

#### **Associate of Applied Science Sound Engineer**

##### **Program Learning Outcomes**

- Applies commercial music sound technology to professional practice.
- Applies commercial music performance skill to support sound engineering practice.
- Applies basic music industry principles to professional practice.
- Demonstrates professional behavior as characterized by a commitment to the profession.