



**LCB Academy of Learning
Course Offerings
2009-2010 SCHOOL YEAR**

The following courses are being offered for credit at the LCB Academy during the 2009-2010 SCHOOL YEAR:

Commercial Media I #A06301 (one full credit) This course will introduce students to the commercial aspects of art. Students will work with guest professionals; visual aides, examples of commercial art, signs, ads in newspapers, magazines, TV, and online. Students will participate in discussions, submit essays, and work on group and individual commercial media design projects to meet course art standards. *Open to sophomore, junior, and senior level students. Class will meet two hours per day in the fall semester. Students scheduling Commercial Media I should also schedule Commercial Media II.*

Commercial Media II #A06308 (one full credit) This course is a continuation of Commercial Media I. The student will learn skills required to become a commercial artist. Studio work is combined with classroom instruction to develop student understanding of the application of art to the design of commercial products for the purpose of decorative, aesthetic effects and current styling. Software applications and training will be introduced so students are able to develop products electronically as well as traditionally. It is a fast-paced and deadline-oriented program that specializes in preparing artists and designers for careers in the world of design, communication, and marketing. Students will engage in a real world curriculum driven by high expectations. *Prerequisite: Commercial Media I. Open to sophomore, junior, and senior level students. Class will meet two hours per day during the spring semester.*

Art I # A09191 (one full credit) Students taking ART I will engage in a variety of 2-D and 3-D art experiences that encompass art history, art criticism, aesthetics, and production. A variety of media and techniques will be explored to develop quality works for student portfolios. Two dimensional processes will include pencil, charcoal, marker, pastel, painting (acrylic and watercolor), collage, digital photography, desktop publishing, and printmaking. Students are required to maintain a sketchbook. Art experiences in 3-D design will include pottery (hand built/ wheel thrown),

sculpture, and hot and cold stained glass processes. Students will learn the prerequisites needed to excel in other art courses. *Class will meet two hours per day during the fall semester. Students scheduling this course should also schedule Art II.*

Art II #A09201 (one full credit) Students taking ART II will engage in a variety of 2-D and 3-D art experiences that encompass art history, art criticism, aesthetics, and production. Works produced will lead to the creation of portfolio quality works. Students will explore career options in the Arts and will search for meaning, significance, inspiration, and direction in their own work by viewing and examining works of art in museums, studios, and art galleries. A variety of 2-D traditional and electronic media and techniques will be explored including pencil, pen and ink, charcoal, marker, pastel, painting, black and white and digital photography, printmaking, computer graphics, fiber arts, and collage. Students are required to maintain a sketchbook. 3-Dimensional design will explore hot and cold stained glass processes, pottery, and a variety of sculpture processes. *Class will meet two hours per day during the spring semester. Students scheduling this course should also schedule Art I. Prerequisite: Student should have completed ART I or have permission of instructor.*

Horticulture I # 009544 (three full credits) A basic course which develops knowledge and skills in the area of: using soil and other growing media; identifying horticulture plants, propagating horticulture plants; basics of growing plants in a greenhouse. Principles and elements of floral design, with practice in creating basic floral designs and using proper techniques, including identification, care, and handling of fresh and silk flowers.

Horticulture 2 # 009276 (three full credits) This course is an intermediate course which expands on the previous year's course. In depth study on plant disease, control, weeds, and various insects. Growing, planting of both annual and perennials which will be used for fresh cut floral designs. Advanced techniques demonstrated in designing floral designs. Event planning, organizational skills and time management taught at this level as well as basics of the floral industry. *Prerequisite: Horticulture 1.*

Drafting and Design Technology 1 #009134 (two full credits) –or- #009543 (three full credits) An introductory course in technical drawings using Autocad as the main drawing system. This course will cover basic drawing skills with emphasis on engineering and architecture. Students

enrolling in the three hour course will work on project-based pre-engineering and pre-architecture course work. *Open to sophomore, junior, and senior level students.*

Drafting and Design Technology 2 #009337 (two full credits)-or- #009269 (three full credits) An intermediate course in technical drawings in which students will be introduced to various drafting disciplines such as architectural, civil, structural, and piping. Completing Drafting 1 and 2 will allow the student to test for an Industry Based Certification (IBC) to be a certified drafter through the American Design Drafting Association. Students enrolling in the three hour course will work on project-based pre-engineering and pre-architecture course work. *Prerequisite: Drafting 1. Open to sophomore, junior, and senior level students.*

Drafting and Design Technology 3 #009349 (two full credits)-or- #006480 (three full credits) This is an advanced course in technical drawings which will use a more comprehensive approach to Autocad and drafting disciplines. Students will be eligible to test for Industry Based Certification (IBC) through the American Design Drafting Association. Students enrolling on the three hour course will work on project-based pre-engineering and pre-architecture course work. *Prerequisites: Drafting 1 –AND- Drafting 2. Open to senior level students.*

First Responder # 009386 (one full credit) This course is designed to improve the quality of emergency medical care rendered to victims of accidents and illnesses. Oral and written communication skills and medical terminology are reinforced in this course through simulated in-school laboratory activities designed to provide opportunities for students to develop clinical skills and appropriate ethical behaviors. Students will be eligible to test for an Industry Based Certification (IBC). *Student must be able to meet state attendance guidelines of the EMS Bureau. Must be able to read and comprehend at the high school level. This course will be taught in conjunction with the EMT Basic course.*

EMT Basic # 009492 (two full credits) This course continues concepts and procedures taught in First Responder including advanced airways. Students who complete and pass this course and test will receive state and national certification. Enrollment is limited. *This course is taught in conjunction with the First Responder course.*



Pharmacy Technician #009494 (two full credits) This course is primarily a computer-based instructional class. Students completing this course will be eligible to test as a Pharmacy Tech and will be able to assist in a pharmacy. There is a state testing fee required as part of this class. *Prerequisite: Chemistry 1, an ACT score of 20, and must be eighteen (18) years old by October 1 of the year they graduate.*

Forensic Sciences #A09360 (one full credit) This course will explore the history of forensic science, methods of investigating a crime scene, types of evidence, analysis of fingerprints, hair, fibers, drugs, soil, and blood. In addition, students will study agencies that offer forensic services, typical forensic labs and careers in forensic science. The class will include labs, text readings, and readings of forensic science journals and videos. *This class meets one hour each day for the full year. Students scheduling this class should also schedule Pharmacy Technician.*

Sports Medicine 1 # 009364 (one-half credit) This course is designed to provide an overview of the field of sports medicine as well as expose students to fundamental skills involved in a sports medicine healthcare setting. Students will learn about the study of medicine and how the field of sports medicine is unique in its focus and delivery of healthcare. *This is a semester course that will meet for one hour each day in the fall semester. Open to Sophomore, Junior, and Senior level students. Students scheduling this course should also schedule Allied Health I.*

Sports Medicine 2 # 009365 (one-half credit) This course, taught in the second semester, is designed to provide students with an overview of the pathology of sports injuries and the basic management skills. Students will learn about the body's response to an injury and how to apply basic emergency action principles and skills. An emphasis is placed on an athlete's psychological and sociological response to an injury and basic coping strategies utilized by healthcare professions to assist them to recovery. *Prerequisite: Sports Medicine 1. This is a semester course that will meet for one hour each day in the spring semester.. Open to Sophomore, Junior, and Senior level students. Students scheduling this course should also schedule Allied Health I.*

Sports Medicine 3 # A09401 (one full credit) This course is designed to provide a knowledge base on the management techniques of athletic injuries and illnesses used by professional healthcare providers. It also allows students the opportunity to select their own sports medicine topic for further study. *Prerequisite: Successful completion of Sports Medicine I and II. This is a full year course that will meet for one hour each day. Students scheduling this course should also schedule Allied Health II.*

Allied Health 1 # A09355 (one-full credit)-or-#009363 (two full credits) This course is designed to prepare the student with entry-level skills and knowledge common to many allied health care areas. Work-based learning strategies appropriate for this course may include job shadowing and/or other fieldtrips. *This is a full year course that will meet for one or two hours each day. Open to Sophomore, Junior, and Senior level students. Students scheduling this course should also schedule Sports Medicine I and II.*

Allied Health 2 #A06205 (one full credit) –or- # A06201 (two-full credits) This course is designed to provide specific entry-level skills and knowledge as assigned by the instructor, which prepares the student to work in specific health care area at the beginning level. Oral and written communication skills, as well as basic clinical skills are reinforced in this course. *This is a full year course that will meet for one or two hours each day. Prerequisite: Successful completion of Allied Health I. Students scheduling this course should also schedule Sports Medicine III.*

Web Design 1 #007116 (one full credit) An introductory course in the steps involved in planning, developing, designing, and maintaining a web page. *This course meets one hour per day for the full year.. Prerequisite: Introduction to BCA. Open to sophomore, junior, and senior level students. Students scheduling this course should also schedule Digital Media I.*

Web Design 2 # 007235 (one full credit) An intermediate level course in Web Design. Students will work with links, create forms and tables, and images, as well as multimedia objects. Students will create digital portfolios. *This course meets one hour per day for the full year. .Prerequisite: Web Design 1. For the 2009-10 school year only, students scheduling this course should also schedule Digital Media I.*

Digital Media 1 #A06302 (two full credits). Digital Media I is a project-based course that allows students to creatively express themselves through web design, digitalized graphics and audio, print media, digitalized still and motion video, computer animation, and other newly emerging forms of digital media. Students completing this course will earn an IBC in Adobe. *This course meets two hours per day for the full year.. Prerequisite: Web Design –or- Multimedia Productions, Desktop Publishing, Art II, Digital Graphics –or- teacher recommendation. Students scheduling this course should also schedule Web Design I.*

Television Production 1 # A09249 (two full credits)-OR-#009263 (three full credits) This course prepares students for careers in video production and television broadcasting. Students will learn how to write, shoot and edit music videos, short films, news stories, commercials, public service announcements, and report and anchor newscasts. Students

will learn how to operate equipment used in television systems. Students will have opportunities to showcase their video projects on local TV, Academy TV and at public events. *Open to sophomore, junior, and senior level students*

Television Production 2 # A09329 (two full credits)-OR-#A06303 (three full credits) This course provides advanced training in the production of materials and programs for broadcasting. This course will expand on the skills and knowledge learned in Television Production I. *Prerequisite: Successful completion of Television Production I.*

Early Childhood Education 1 # 009104 (two full credits) – or- #A09154 (three full credits)This course prepares students to work with children, birth to 8 years of age. Emphasis is placed on enhancing the development of young children while providing early education and care. Foundation skill development assists students desiring to meet requirements for the Child Development Associate (CDA) credential. *Open to junior and senior level students This class meets two-or- three hours per day for the full year.*

Early Childhood Education 2 #A09308 (two full credits) – or- #A06350 (three full credits)This course prepares students for employment in early childhood education and child related careers. Emphasis is placed on enhancing the development of young children while providing education and care. Foundation skill development assists students desiring to meet requirements for the Child Development Associate (CDA) credential. *Prerequisite: Successful completion of Early Childhood Education I. This course meets two-or-three hours per day for the full year.*

STAR 1 # 009539 (one full credit) This course, Students Teaching and Reaching, is a high school course designed to attract students to the field of education, provide information and field experiences relevant to pursuing a degree in education, and to prepare them for the rigors of a career in education. *Prerequisite: 2.5 or higher overall GPA and acceptance by the STAR Review Panel. This is a one hour course that meets for the full year. Open to junior and senior level students. Students scheduling this course should also schedule FACS Elective.*

STAR 2 # A06330 (one full credit) This course will continue the development of teaching skills begun in STAR 1, emphasizing lesson planning and assessment development with opportunity for expanded meaningful field experiences. *Prerequisite: Successful completion of STAR I. This is a one hour course that meets for the full year. Open to junior and senior level students. Students scheduling this course should also schedule FACS Elective.*

FACS Elective # A9204 (two full credits) This course is flexible in design and is structured to meet local needs. In keeping with the education programs being offered at the LCB Academy, this course will focus on issues such as the



teacher shortage, professionalism, and the creation of a professional portfolio. *Students enrolling in STAR I – or – STAR II should also schedule this class. This class will not be offered independently of STAR I –or– STAR II.*

Networking Basics #A07243 (two full credits) An intermediate level course that teaches students basic computer networking. Students completing this course will be proficient at building a structured network cabling system. *Prerequisites: Algebra 1 –AND– Physical Science. This course meets two hours each day for the full year. Students scheduling this course may also want to schedule Computer Forensics.*

Routers and Routing Basics #A07244(two full credits) This course is a practical and technical introduction to the field of networking and focuses on initial router configuration, Cisco IOS software management, routing protocol configuration, TCP/IP, and access control lists. *Prerequisites: Networking Basics. This course meets two hours each day for the full year. Students scheduling this course may also want to schedule Computer Forensics.*

Computer Forensics #A07601 (one full credit) This course will assist students in mastering the skills necessary to launch and complete a successful computer investigation. Students will learn how to conduct a high-tech investigation, from acquiring digital evidence to reporting its findings. Curriculum will include how to set up a forensics lab, how to acquire the proper and necessary tools, and how to conduct the investigation and subsequent digital analysis. *This course meets one hour daily for the full year. Students wanting to take this course must schedule either Networking Basics or Routers and Routing Basics.*

Louisiana History and Theatre (Louisiana History is for middle school credit, Theatre would count as elective high school credit awarded after 24 credits are earned on the high school campus) This eighth grade history course offers an intricate, detailed study of Louisiana's growth and development from its first occupants to the present day Louisiana. This course will incorporate details of Louisiana's history with the inclusion of the fine arts, visual arts, and the performing arts. The students will investigate, research, and act out Louisiana's history. *Open to eighth grade students only with the recommendation of their principal and counselor.*

The following online courses will be offered through the LCB Academy Distance Learning program. Due to the nature of an online course, students scheduling an online course should exhibit good attendance habits, good disciplinary habits and should have at least a B academic average. Students taking an online AP course should log on to the following website:
<http://collegesearch.collegeboard.com/apcreditpolicy/index.jsp> to investigate how different colleges award the AP credit.

AP Literature (English IV) online # 001405 (one full credit) AP English Lit and Composition is a college-level course. This course is conducted through the E-Learning environment and engages students in activities that foster learning in the online environment. The course involves extensive reading at home, detailed reading in class, online discussions, presentations, timed compositions, and multi-draft essays. The course also includes vocabulary study, poetry responses, allusion study and grammar study all designed to improve writing and analytical skills. *Prerequisite: English 3.*

AP Biology 2 online # A003315 (one full credit) This course, taught by an Academy instructor, will be available online. This is a college level course in which students successfully completing the AP exam (score of 3 or higher) can earn college credit. The focus of this course is to provide students with a foundation in the conceptual framework, factual knowledge, and analytical skills needed in college. A face-to-face meeting with the instructor will be required once each six weeks. *Prerequisite: Biology 1 – AND– Chemistry 1. Open to junior and senior level students.*

AP Physics online #A03401(one full credit) This course, taught by an Academy Instructor will be available online. This is a college level course in which students successfully completing the AP exam (score of 3 or higher) can earn college credit. Emphasis will be placed on vectors, work, energy, physical states of matter, heat, and electricity. *Prerequisite: Algebra 2. Open to junior and senior level students.*

AP Psychology online #A02325 (one full credit) This college level course is designed to introduce students to the scientific and systematic study of behavior and mental processes for human beings. Students successfully completing the AP exam (score of 3 or higher) can earn college credit. *Prerequisite: Biology 1 Open to junior and senior level students*

AP Environmental Science online #A06450 (one full credit) This is a college level course in which students successfully completing the AP exam (score of three or higher, can earn college credit. The course will emphasize ecological principals, population growth, energy conservation, pollution, and biodiversity. *Prerequisites: Successful completion of Biology I and Chemistry I.*

Louisiana Virtual School Coursework Louisiana Virtual School Courses are offered free of charge to qualifying students. Any student enrolled in an approved CPSB public school is eligible to participate. Students can access the course offerings through the LVS website, www.louisianavirtuallschool.net. Students will be enrolled through the Academy and will complete coursework while working online. *Requires written permission from Principal and Counselor.*

The following classes will be offered as an AP block of face-to-face classes on the LCB Academy campus. *Students taking these AP courses should log on to <http://collegesearch.collegeboard.com/apcreditpolicy/index.jsp> to investigate how different colleges award the AP credit.*

AP Calculus AB #A04405 (one full credit) This is a college level course. This course provides an understanding of the fundamental concepts and methods of differential and integral calculus with a an emphasis on their application, and the use of multiple representations incorporating graphic, numeric, analytic, algebraic, and verbal and written responses. Technology is an integral part of the course and includes the use of graphing calculators. This course will meet during first hour at the LCB Academy. *Prerequisite: Pre-Calculus. Open to senior level students.*

AP Literature (English IV) #A01405 (one full credit) This is a college level course. This course involves extensive reading at home, detailed reading in class, seminar-style discussions, academic presentations, frequent timed compositions, and several multi-draft essays. The course also includes vocabulary study, poetry responses, allusion study and grammar study, all designed to improve writing and analytical skills. This course will meet during second hour at the LCB Academy. *Prerequisite: English 3. Open to senior level students.*

AP Biology 2 #A03315 (one full credit) This is a college level course in which students successfully completing the AP exam (score of 3 or higher) can earn college credit. The focus of this course is to provide students with a foundation in the conceptual framework, factual knowledge, and analytical skills needed in college. This course will meet during third hour at the LCB Academy. *Prerequisite: Biology 1 –AND– Chemistry 1. Open to senior level students.*

AP Physics #A03401(one full credit) This is a college level course in which students successfully completing the AP exam (score of 3 or higher) can earn college credit. Emphasis will be placed on vectors, work, energy, physical states of matter, heat, and electricity. This course will meet during third hour at the LCB Academy. *Prerequisite: Algebra 2. Open to senior level students.*



The following classes will be offered during the 8th period (4:15 pm – 7:00 pm) on Mondays during the 2009-2010 school year:

Database Design and Programming # 007270 (one full credit) Students in this course will participate in the Oracle Academy in cooperation with the Louisiana Department of Education. This course will investigate relational databases and database design systems. Students completing this course will be eligible to take the Oracle Certified Professional Exam and the Introduction to Oracle9i SQL Exam. *Prerequisites: Algebra 1 –AND- Introduction to BCA. Open to junior and senior level students. This is an 8th period (4:15-7:00) course that will meet on Mondays during the 2009-10 school year.*

AP World History #002106 (one full credit) This college level course is designed to guide students in developing a greater understanding of global processes and contacts including interactions over time. This course highlights the course of natural changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Students successfully completing the AP exam (score of 3 or higher) can earn college credit. *Class will meet during 8th period 4:15 – 7:00 on Mondays. Open to sophomore, junior, and senior level students. Students taking this course might want to log on to <http://collegesearch.collegeboard.com/apcreditpolicy/index.jsp> to investigate how different colleges award the AP credit.*

AP Studio Art #A09410 (one full credit) An in depth look at 1D, 2D, and 3D art produced by the student in multiple medias, concentrated around a central idea. Student work will be compiled in a student portfolio which will be submitted to the AP Board for consideration of college credit. *Class will meet during 8th period (4:15pm-7:00pm) on Mondays during the school year. Open to Freshman, Sophomore, Junior, and Senior level students. Students taking this course might want to log on to <http://collegesearch.collegeboard.com/apcreditpolicy/index.jsp> to investigate how different colleges award the AP credit.*

African-American History # 002306 (one full credit) This course is an historical presentation of the African-American's struggle for equality and justice in the United States. Students will study the historical significance and achievements of African-Americans, both individually and as a group. This course begins with the development of African nations and ends with the current African-American issues in the United States. *Open to Junior and Senior level students. Will be taught on Mondays, 4:15 – 7:00.*

Entertainment Media #009293 (one full credit) Entertainment Media is a survey of entertainment in the United States from the 1900 – 1960's. Many different media will be explored such as the Silent Era, Radio Era, Black and White Era, the "Talkies", Color, Cinemascope and Cinerama of the 1950's. Students will study how these art forms reflected the society in which they were created. *Class will meet one day a week after school, 4:15 pm – 7:00 pm on Monday. Open to Sophomores, Juniors and Seniors that have taken Art 1 –or- have permission of the instructor.*

Music Mastery 1 #009179 (one full credit) This course offers a unique blend of instrumental and choral music exploration that expands the range of musical experience and performance beyond that found in typical musical courses. Elements of classical, folk, spiritual, jazz, electronic and avant-garde music are components of the curriculum. Performance, composition, appreciation and improvisation are utilized to enhance the preparation of students for music careers or lifelong participation in musical activities. *Schedule of face to face class time will be based on each student and assigned instructor. Open to students sixth grade and above currently enrolled in a music course at the home-based school and/or recommendation by CPSB music teacher/principal.*

Music Mastery 2 # 009180 (one full credit) This Carnegie unit course is an extension of the Academy Music Mastery 1 course. It continues to offer a blend of instrumental and choral music exploration that expands the range of musical experience and performance beyond that found in Academy Music Mastery 1. *Prerequisite: Music Mastery 1*

Art 3-D Design # A09302 (one full credit) This course will involve the student in the production of hands-on art such as sculpture, pottery, stained glass, paper mache, etc. The course will introduce the background of the medium and include step by step procedures necessary to complete an individual project. *Class will meet during 8th period (4:15pm-7:00pm) on Mondays during the school year. Open to Freshman, Sophomores, Juniors and Seniors.*

Computer Systems and Networking I # A07286 (one full credit) This course will prepare students in the area of computer and network security. Some of the primary tasks for this course are: virus detection, removal and prevention, preventing unauthorized users from gaining access to systems and resources, cryptography, and organizational security. *Class will meet during 8th period (4:15pm-7:00pm) on Mondays during the school year. Open to Juniors and Seniors.*

The Mission of the LCB Academy of Learning is to elevate and enhance the educational opportunities for all Calcasieu Parish students. We also want to support and expand both curriculum and achievement levels of all Calcasieu Parish Schools.

- Students attending the Academy will stay enrolled at their home schools.
- Academy offerings are not intended to replace what is being offered at a student's home school. If a course is listed in this catalogue that is also offered at the student's home school, they should attempt to schedule the course on their home campus first.
- To attend a class at the Academy, a student only has to include it in their five year plan and their course request sheet for the school year. (there is not a grade point average requirement for most courses)
- Students will be able to choose courses based on career plans or academic interests.

HOW TO REGISTER FOR 2009-2010 CLASSES: Log on to the Lake Charles-Boston Academy Website at <http://lakecharles-boston.cpsb.org> and click on the "Admissions" button, then click on the "Schedule Request" button. Complete the requested information and bring the Schedule Request form to your counselor. Your counselor will fax the schedule request form to the LCB Academy.

TRANSPORTATION ARRANGEMENTS: You are welcome to drive yourself to and from classes at the LCB Academy. However, if you will be using the Calcasieu Parish School Board Transportation, you must also complete the "Bus Transportation Request" form and forward it with your schedule request page.

