

LBHS COLLEGE AND CAREER ACADEMIES 2018-2019

Lemon Bay High School offers College and Career Academies (CCA's) that offer students the opportunity to advance their studies in a chosen career cluster through rigorous electives. These sequence of courses taken while in high school can lead to valuable and recognized **industry certifications** and **may articulate to college credits** towards an Associate's Degree at a public state college. In addition, students may earn a **Merit Diploma Designation** upon graduation and possibly be awarded with the **Florida Bright Futures Gold Seal Scholarship**. Students are encouraged to think about their future career and college aspirations and take elective courses that are in alignment with their goals.

Academy of Business and Finance – Are you interested in leading a corporation or owning your own business? Do you want to learn more about accounting fundamentals, business ethics and law? This academy allows students to learn all of this and leads to them running a student enterprise, the “Manta Stand” in their final year. Students may earn Microsoft Excel certification and/or QuickBooks certification. Students may become members of Future Business Leaders of America (FBLA) and compete in business – related competitions.

Elective Courses (Taken sequentially each school year):

- Digital Info Tech 8207310
- International Business Systems 8216110
- Accounting 1/Business Internship (Manta Stand 2 periods) 8203310/8216130

Academy of Career Readiness – Would you like to work part-time while you are in high school and earn credits towards graduation? Do you enjoy real working conditions that allow you to “earn while you learn”? State guidelines will apply and typically On-The-Job Training (OJT) is offered to juniors and seniors. Transportation is not provided to work sites.

Elective Courses (Taken sequentially each school year):

- Diversified Career Technology 1 8303010
- DCT/OJT Cooperative Work Experience 8300410 OR Guided Workplace Learning 8300430 (multiple credits may be earned)

Academy of Culinary Arts – Do you love to cook? Have you dreamed of serving incredible culinary creations that excite the taste buds? This academy teaches you the basics of food preparation, kitchen sanitation, and commercial cooking. Students learn in the classroom and in our ProStart commercial

kitchen lab. Advanced students will be demonstrating catering and hospitality skills. Students may earn ServSafe and ProStart certification.

Elective Courses (Taken sequentially each school year):

- Culinary Arts 1 8800510
- Culinary Arts 2 8800520
- Culinary Arts 3 8800530
- Culinary Arts 4 8800540

Academy of Fine and Performing Arts – Are you passionate about the fine arts? Do you envision yourself playing an instrument or acting in a theater production? Does drawing or ceramics help you explore your creative side? We offer many fine and performing arts elective programs that will allow you to perform in productions, at sporting events, or in a studio.

Elective Courses/Programs: (May be taken separately or combined):

- Band I-IV, Band V Hon 1302300, 1302310, 1302320, 1302330, 1202340
- Eurhythmics I-IV 1305300, 1305310, 1505320, 1505330
- Percussion – Music Ensemble I-III, Music Ensemble IV Hon 1305400, 1305410, 1305420, 1305430
- Jazz Ensemble I-III, Jazz Ensemble IV Hon 1302500, 1302510, 1302520, 1302530
- Keyboarding I/II 1301360, 1301370
- Theater I-II, Honors III, Theatre IV Hon 0400300, 0400310, 0400320, 0400330
- Musical Theater I-IV 0400700, 0400710, 0400720, 0400730
- Technical Theater (Stage Production) I-III, Tech Theatre IV Hon 0400410, 0400420, 0400430, 0400440
- Drawing & Painting I-II, III Hon 0101300, 0101310, 0101320
- 3D Studio Art I, II, III HON, Honors III 0101330, 0101340, 0101350
- Portfolio I Dev 3D Hon 0109330

Academy of Health and Wellness – Do you enjoy physical fitness, weight training, and exercise? Would you like to play sports throughout high school and possibly college or professionally? We offer many electives to help you maintain your physical fitness goals and learn the proper techniques while exercising.

Elective Courses (May be taken separately or combined):

- HOPE 1506320
- Weight Training 1, 2, & 3; Power Weight Training 1 1501340, 1501350, 1501360, 1501410
- Individual & Dual Sports 1, 2, & 3 1502410, 1502420, 1502430
- Team Sports 1,2, & 3 1503350, 1503360, 1503370
- Comprehensive Fitness 1501390

Academy of Law and NJROTC – Are you interested in serving in the military or pursuing a career in law or law-related careers? Would you like to learn more about our legal system? The NJROTC program will allow you to participate in our ROTC program and possibly represent our school at regional and state

competitions. These courses are taught by NAVY commanders and allow you to prepare for a career in the military or a military academy. In addition, courses in law and legal systems are available to all students.

Elective Courses (Taken sequentially each school year):

- Naval Science 1 1802300
- Naval Science 2 1802310
- Naval Science 3 1802320
- Naval Science 4 1802330
- Leadership (Advanced students are selected by the instructors) 1801300

Elective Courses (May be taken separately or combined):

- Comprehensive Law Studies 2106370
- Legal Systems (.5 credit) 2106380
- Court Procedures (.5 credit) 2106390

Academy of STEM Information Technology and Audio Visual Productions – Do you enjoy working on computers? Are you interested in utilizing today’s technology to create a website or television production? This academy offers 2 programs that will allow you to earn Adobe Photoshop, Adobe Dreamweaver, Adobe Flash or Apple Final Cut Pro certifications. Students in TV Production work in creating and airing our WMTV broadcast each school day.

Elective Courses (Taken sequentially each school year):

- Digital Info Tech 882
- Digital Media Fundamentals 9005110
- Digital Media Production Systems 9005120
- Digital Media Delivery Systems 9005130

Elective Courses (Taken sequentially each school year):

- Television Production 1 8772110
- Television Production 2 8772120
- Television Production 3 – 4 (2 periods) 872130 & 8772140
- Television Production 5 – 6 (2 periods) 8772150 & 8772160

Academy of STEM Drafting and Engineering – Would you like to pursue a career in architectural, structural, or mechanical drafting or engineering? Do you enjoy working on a computer to make blueprints and designs? This academy offers 2 programs in which students have the opportunity to earn AutoCAD Certified User and/or AutoCAD Inventor certifications while working on real-world design

challenges. The Engineering academy offers students the opportunity to learn more about robotics through the annual VEX Robotics Competition. Students may become members of the Technical Student Association (TSA) club and compete in drafting and engineering competitions.

Elective Courses (Taken sequentially each school year):

- Drafting I-IV 8725000, 8725010, 8725020, 8725030

Elective Courses (Taken sequentially each school year – must have Drafting I prior to Engineering):

- Applied Engineering Technology I-III 8401100, 8401110, 8401120

Academy of STEM Health Sciences – Do you see yourself working in a health care environment? Do you enjoy helping care for others when they are sick or injured? Our STEM Health Science academy offers two programs of study that will give you the foundational health care knowledge and skills to further your studies as a health care professional. The EMR program prepares you to further your studies as basic life support non-licensed personnel who act as part of an organized emergency medical team. The Health and Wellness program prepares you to provide care and prevention of athletic injuries and basic personal training skills. Students can earn CPR and First Aid Certification in both programs as well as specific certification offered by national health career organizations.

Elective Courses (Taken sequentially each school year):

- Anatomy and Physiology 2000350 or Anatomy and Physiology Hon 2000360
- Health Science 2 Hon 8417110

Elective Courses (Taken sequentially each school year):

- Anatomy and Physiology 2000350 or Anatomy and Physiology Hon 2000360
- Health Science Foundations Hon 8417110
- Health and Wellness 3 Hon 8417120

Academy of Accelerated Math and Science (STEM) – Do you love learning about math and sciences? Are you investigative and curious? This academy offers challenging coursework in math and science. Students may compete in Math, Science Fair, Science Olympiad, and other competitions. Honors, AP and Dual Credit level courses have specific enrollment criteria.

Core Courses (Taken sequentially each school year):

- Honors Biology 2000320
- Honors Chemistry 2003350 **AND** Honors Anatomy and Physiology 2000360
- AP Biology 2000340 **AND** Honors Genetics 2000440 **AND** Honors Physics 2003390
- AP Chemistry 2003370 **AND** AP Environmental Science 2001380

(Other electives may be take such as Honors Marine Science 1/2/AICE).

Core Courses (Taken sequentially each school year):

- Honors Algebra I 1200320
- Honors Geometry 1206320
- Honors Algebra II 1200340
- Dual Credit College Algebra/Trigonometry MAC 1105/1114
- Dual Enrollment Pre-Calculus/Statistics MAC 1140/STA 2023
- AP Calculus AB 1202310

Academy of Accelerated Language Arts and Social Studies (Humanities) – Do you love learning about language, cultures, and history? Are you self-motivated and enjoy reading and writing? This academy offers two subjects of interest for students that satisfy graduation requirements in Language Arts and Social Studies and offer the most challenging and rigorous coursework. Honors, AP and Dual Credit level courses have specific enrollment criteria.

Core Courses (Taken sequentially each school year):

- Pre-AP English Honors I – Cambridge AICE General Paper 1009360
- Pre-AP English Honors II - Cambridge AICE General Paper 1009360
- AP Literature & Composition 1001430
- AP Language & Composition 1001420 **OR** Dual Credit Freshmen Comp 1-2 ENC1101/1102

Core Courses (Taken sequentially each school year):

- AP Human Geography 2103400
- AP World History 2109420
- AP American History 2100330 **OR** Dual Credit US History AMH 2020/2021
- AP American Government 2106420 **AND** Honors Economics 2102320 (AP Macroeconomics 2102370 and Honors American Government 2106320 may be substituted.)

NOTICE

The most current version of this curriculum guide will be posted online at

www.lbhs.yourcharlotteschools.net