## Health Science and Medical Technology

### Pathway—Patient Care—198

**Medical Core Honors—Concentrator**
Grade Level: 9—12
Prerequisite: None
Course # 7900C2
Year Class
*Meets a-g College-Preparatory Elective (g) requirement & Honors Weighted*
*Articulated with Coastline College*

Students will learn the concepts and techniques used in the healthcare field as well as the foundation of the terms and skills used as an emergency medical technician (EMT), medical assistant, hospital worker, lab assistant, and many other healthcare careers.

**Medical Hospital Careers Internship—Capstone**
Grade Level: 10—12 (Age 16+)
Course # 7922CC
Prerequisite: Medical Core Honors
Semester Class
*Does not meet a-g College requirements*
*Earns 10 credits if internship is completed*

This course is designed to prepare students for employment opportunities in health care facilities in the area of therapeutic, diagnostic, and supportive services. Through classroom instruction, and on-the-job training in medical facilities and some hospitals, student will receive training, including CPR certification, that will prepare them to secure entry –level employment or pursue advanced training. Internship outside of class hours required.

## Information and Communication Technologies

### Pathway—Systems Programming—174A

**Programming & Coding—Concentrator**
Grade level: 9—12
Prerequisite: None
Course # 8131CC
Semester Class
*Does not meet a-g College requirements*

This hands-on, lab-oriented course will introduce students to the fundamentals of computer programming while exploring some of the basic concepts of Computer Science.

**AP Computer Science Principles—Concentrator**
Grade level: 9—12
Prerequisite: None
Course# 2472
Year Class
*Meets a-g Science (d) requirement; Receives Weighted GPA for AP, and Potential college credit if passes AP Exam*

This course introduces students to a variety of careers which computer science touches, while developing skills to decompose problems, analyze algorithms, and reflect on the impact of computing on society, economy, & culture.

**AP Computer Science A—Capstone**
Grade level: 10—12
Prerequisite: AP Computer Science Principles
Course # 2470
Year Class
*Meets a-g Math (c) requirement; Receives Weighted GPA for AP, and Potential college credit if passes AP Exam*

This course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data, approaches to processing data, analysis of potential solutions, and the ethical and social implications of computing.

**App Development—Capstone**
Grade level: 10—12
Prerequisite: AP Computer Science Principles
Course # 8135
Year Class
*Meets a-g College-Preparatory Elective (g) requirement*

This course allows students to gain real world experience using industry level software to build apps that can be run on Apple products, using curriculum designed and created by Apple Education.

## Public Services

### Pathway—Emergency Response—233

**Intro to Emergency Medicine—Concentrator**
Grade Level: 9—12
Prerequisite: None
Course # 8421CC
Semester Class
*Does not meet a-g College requirements*

This course prepares students to provide prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. This course also provides a foundation and prepares students who are interested in pursuing training as a Fire Fighter and many law enforcement programs.

**Emergency Medical Technician Honors—Capstone**
Grade Level: 12th grade only
Prerequisite: None
Course # 8422CC
Semester Class
*Meets a-g College-Preparatory Elective (g) requirement & Honors Weighed*

This competency-based course prepares students for entry-level positions in the pre-hospital care industry. This course is part of a sequence of courses aimed at achieving a course completion certificate. Students are then eligible to participate in the National Registration Examination.

## After School CTE Courses

| Course | School |
|---|---|
| Administration of Justice Honors | SJHHS |
| Aviation Careers | THS |
| Business Management & Entrepreneurship H * | ANHS |
| Consumer Auto Mechanics * | ANHS or CVHS |
| Culinary Arts * | ANHS |
| Dental Assisting | CVHS |
| Emergency Medical Technician Honors | LBHS or CVHS |
| Fashion Design Honors * | CVHS |
| Fire Science * | CVHS |
| Medical/Hospital Careers | LBHS |
| Robotics Design & Fabrication Honors | CVHS |
| Robotics & Autonomous Systems Honors | CVHS |
| Surgical Technologist Intro | CVHS |
| Surgical Technologist II Honors | CVHS |
| Veterinary Technician | CVHS |
| Veterinary Technician Advanced Honors | CVHS |

**\* = Articulated College Credit**
**Honors = Weighted GPA**

Please see Mrs. Bergen in the College and Career Center for more information on the days and times these classes meet and to register for a class.

School Codes:
ANHS = Aliso Niguel High School
CVHS = Capistrano Valley High School
DHHS = Dana Hills High School
SCHS = San Clemente High School
SJHHS = San Juan Hills High School
SHS = Serra High School
THS = Tesoro High School

## Contact your high school College and Career Specialist to enroll!

**District Career Counseling Coordinator**
Kellee Shearer
Email: kshearer@lbusd.org

**High School College and Career Specialist**
Ann Bergen
Email: abergen@lbusd.org

**Teachers**
Bridget Beaudry Porter
Design, Visual, & Media Arts
Visual/Commercial Arts
Email: bbeaudryporter@lbusd.org

Rachel de Leon
Health Science & Medical Technology
Patient Care
Email: rdeleon@lbusd.org

Carrie Denton
Information & Communication Technology
Software & Systems Development
Email: cdenton@lbusd.org

Estee Fratzke
Performing Arts
Dance/Choreography
Email: efratzke@lbusd.org

Eric Johnson
Public Services
Emergency Response
Email: EAJohnson@capousd.org

Celena del Pizzo Howell
Performing Arts
Professional Theatre
Email: cdelpizzohowell@lbusd.org

Kari Nies
Information & Communication Technology
Software & Systems Development
Email: knies@lbusd.org

Scott Wittkop
Design, Visual, & Media Arts
Graphic Design
Email: swittkop@lbusd.org

Revised 10/27/20

# LAGUNA BEACH HIGH SCHOOL 2020-2021

# Career Technical Education

## Preparing Students for the 21st Century and Beyond

Laguna Beach High School
625 Park Avenue
Laguna Beach, CA 92651
(949) 497-7750

## Check out the courses available in our district

CTE courses are sequenced to create pathways for students in a course of study which can lead to employment and post-secondary education opportunities.

### How are CTE classes taught?
CTE classes are conducted in classrooms equipped to industry standards or, in some cases, actual business and industry locations.

### Can I get credit for taking CTE classes?
CTE courses earn high school graduation credits. CTE offers many UC a-g approved courses. Some courses are UC Honors Weighted. Some are articulated with local community colleges and offer students the opportunity for early college credits.

### Will I get a job?
Your CTE course will include employment job search skills. Some courses offer internships and on-the-job training with businesses. Some CTE courses offer industry certifications which will enhance students' resumes.
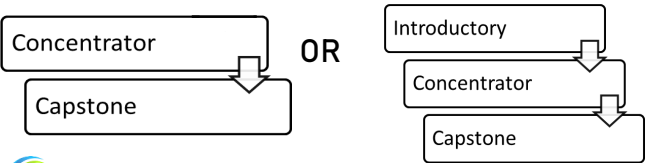
## CTE Course Sequencing

Students must complete all courses in a pathway in order to become a pathway completer. A pathway usually consists of concentrator and capstone courses. Students in a pathway with 3 courses must complete all 3 courses.

Introductory Course - A CTE beginning level introductory course which contains introductory concepts required to build foundational and general knowledge.

Concentrator Course - A CTE course beyond the introductory level that is intended to provide more in-depth instruction and exploration of a specific industry sector.

Capstone Course - The final course in a planned sequence of courses that provides a rigorous and intensive culmination of a course of study.

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Concentrator          Introductory
       |         OR          |
   Capstone            Concentrator
                             |
                          Capstone
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**SADDLEBACK COLLEGE** = An Articulated Course is one in which the high school teacher and the college faculty have "formally agreed" that the high school course outline, syllabus, textbook, mid-term and/or final exam are comparable to those in a college course and that the final exam score will be used as a credit-by-exam for the comparable college course.

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### Design, Visual, & Media Arts
### Pathway—Graphic Design—111A

**Multimedia Production—Introductory**
Grade Level: 9—12     Course # 5621
*Prerequisite: None*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement*
*Articulated with Saddleback College*  **SADDLEBACK COLLEGE**

This course is designed for students in the active creation and production of original artistic designs, digital illustrations and graphic media. Technical training in Adobe Photoshop, Illustrator, InDesign, Corel Draw, DTG, sublimation, 3D printing, plotting, screen printing, and laser cutting.

**Multimedia Design Honors—Concentrator**
Grade Level: 10—12     Course # 7217CC
*Prerequisite: Multimedia Production*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement & Honors Weighted*
*Articulated with Saddleback College*  **SADDLEBACK COLLEGE**

Students will work on projects using skills learned in prior digital graphics classes, including designing and producing playbills, catalogs, posters, t-shirts, banners and wall murals. Students will learn new design techniques using Adobe Suite and Corel Draw and will be exposed to printing on a variety of mediums.

**Multimedia Design Advanced—Concentrator**
Grade Level: 10—12     Course # 5714
*Prerequisite: Multimedia Design Honors*     *Year Class*

Students will work on projects that include designing and producing playbills, catalogs, posters, t-shirts, banners and wall murals, etc. Students will learn new design techniques using Adobe Suite and Corel Draw and be exposed to printing on a variety of mediums.

**3D Media Design Honors—Capstone**
Grade Level: 9—12     Course # 5751
*Prerequisite: Multimedia Design Honors*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement & Honors Weighted*
*Articulated with Saddleback College*  **SADDLEBACK COLLEGE**

This course is concerned with visualization and creation of 3D computer generated models and their applications in today's manufacturing, multimedia, communications, and publishing industries. Students will learn how to create a variety of 3D geometric models from technical drawings, sketches, and real models.

### Design, Visual, & Media Arts
### Pathway—Visual/Commercial Arts—111C

**Art Production 2—Concentrator**
Grade Level: 9—12     Course # 7217
*Prerequisite: None*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement*

Students will investigate drawing and painting techniques including; palette painting, reductive drawing, mixed media, digital painting, and new media. This course is for students interested in advanced art as a career study and portfolio development through media experimentation.

**AP Studio Art—2D Design—Capstone**
Grade Level: 10—12     Course # A439
*Prerequisite: Art Production 2*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement , Receives Weighted GPA for AP, and Potential college credit if passes AP Exam*

Students build a body of work that shows evidence of principles of design and original ideation using photography, painting, digital painting, or mixed media. Students will submit a portfolio of artwork and written art intended for evaluation as part of the AP exam.

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### Design, Visual, & Media Arts
### Pathway—Visual/Commercial Arts—111C—Continued

**AP Studio Art—Drawing—Capstone**
Grade Level: 10—12     Course # A438
*Prerequisite: Art Production 2*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement , Receives Weighted GPA for AP, and Potential college credit if passes AP Exam*

Students build a body of work that shows evidence of principles of design and original ideation using mark-making in a variety of media. Students will submit a portfolio of artwork and written art intended for evaluation as part of the AP exam.

**Art Entrepreneurship—Capstone**
Grade Level: 11—12     Course # 7218
*Prerequisite: Art Production 2*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement*

This course will offer the tools for students to become self-sufficient artist entrepreneurs. This course is designed to introduce students to marketing art and services including the following: social marketing; exhibition design; online portfolio development; and branding.

### Performing Arts
### Pathway—Professional Theatre—112C

**Theatre Performance—Concentrator**
Grade Level: 9—12     Course # 7238
*Prerequisite: None*     *Semester or Year*
*Meets a-g Visual & Performing Arts (f) requirement*

Students learn discipline specific skills and build confidence through participation in a professional-style rehearsal process, culminating in public performances of a fully staged play or musical. Students may have the opportunity to work with guest directors and choreographers. This course meets in the evenings and on weekends.

**Musical Theatre—Capstone**
Grade Level: 10-12     Course # 5742
*Prerequisite: Theatre Performance*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement*
*Articulated with Saddleback College*  **SADDLEBACK COLLEGE**

Students will study the major principles of musical theatre and will hone their performance skills as they relate to musical theatre. Techniques will be developed through various exercises as well as preparation and performance of a wide range of material. This is an academic and performance based class. This course meets after school.

**Theatre II—Capstone**
Grade Level: 10-12     Course # 5743
*Prerequisite: Theatre Performance*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement*
*Articulated with Saddleback College*  **SADDLEBACK COLLEGE**

Students build on preparation, rehearsal, and performance skills through practical experience as actors, directors, and playwrights. Students will closely analyze text and expand their range as actors and playwrights. Coursework can include monologue or scene study, musical theatre, theatre history, audition technique, and improvisation. This course meets after school.

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### Performing Arts
### Pathway—Dance/Choreography—112A

**Dance 2—Concentrator**
Grade Level: 9—12     Course # 5718A
*Prerequisite: Placement Exam*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement*

Students will be held to intermediate standards in the training and study of Jazz, Ballet, Hip-Hop, Modern/Lyrical, Improvisation, and Dance Composition. Students will learn how to document an electronic portfolio for college and career readiness.

**Dance 3—Capstone**
Grade Level: 10—12     Course # 5718B
*Prerequisite: Dance 2*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement*

Students will be held to advanced standards in the training and study of Jazz, Ballet, Hip-Hop, Modern/Lyrical, Improvisation, and Dance Composition. Students will learn how to document an electronic portfolio for college and career readiness.

**Dance 4—Extra Offering**
Grade Level: 11—12     Course # 5719A
*Prerequisite: Dance 3*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement*
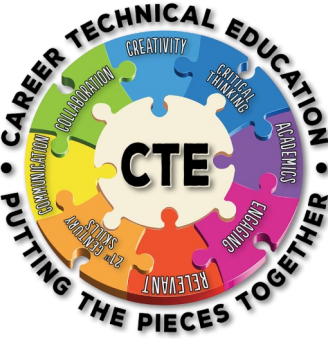
Students will be held to pre-professional standards in the training and study of Jazz, Ballet, Hip-Hop, Modern/Lyrical, Improvisation, and Dance Composition with an emphasis on application of knowledge and an ability to perform. Students will learn how to document an electronic portfolio for college and career readiness.

**Dance Company Honors—Extra Offering**
Grade Level: 9—12     Course # 2356
*Prerequisite: Audition Required*     *Year Class*
*Meets a-g Visual & Performing Arts (f) requirement & Honors Weighted*

Students will be held to pre-professional standards in the training and study of Jazz, Ballet, Hip-Hop, Modern/Lyrical, Improvisation, and Dance Composition with an emphasis on application of knowledge and an ability to perform. Students will learn how to document an electronic portfolio for college and career readiness.

**Want to be College and Career Ready?**

Take a CTE Pathway and learn skills to prepare you for your next step in life.