BECKMAN HIGH SCHOOL

CTE PATHWAY COURSES

1 Human Body Systems
*Meets 'D' Science Requirement

2 Sports Medicine
*Meets 'D' Science Requirement

3 Kinesiology 85 / Athletic Training
*IVC Dual Enrollment

4 Kinesiology 212
*IVC Dual Enrollment

APPLIED MEDICAL

HEALTH SCIENCE & MEDICAL TECHNOLOGY

The Applied Medical Pathway allows students to explore the science, application, and foundations of athletic training and sports medicine. Students are CPR certified and complete their capstone course through dual enrollment with Irvine Valley College, earning college credit while in high school. Students practice hands on treatment techniques and can participate in internships.

◆ Courses meet A-G college admission requirements and earn early college credit*

◆ Careers in Applied Medical: Athletic Trainer, Physical Therapist, Nurse, Physician

◆ Complete the pathway courses with a B or better and earn CTE Honors at graduation

Contact your counselor to enroll or visit Tustin Unified's College and Career Readiness site for more information

Career Technical Education (CTE) is a program of study that involves an industry specific sequence of courses that integrate core academic knowledge with technical and occupational skill to provide students with a pathway to postsecondary education and in-demand careers. TUSD is proud to offer hands-on, career ready pathways that prepare students for high skill, high wage jobs of the future.

BECKMAN HIGH SCHOOL

COMPUTER SCIENCE

INFORMATION & COMMUNICATION TECHNOLOGY

The Computer Science two-course pathway explores the multidisciplinary approach to the principles of computation, making a real-world connection from the classroom to careers. Students are introduced to the principles of coding, abstractions, algorithms, cybersecurity, and networking. Through collaboration and by applying critical thinking, students address real world computer science challenges, broadening their knowledge and skill set for an advancing technological world. Information and communication technology professionals support virtually every business and industry in the region — now that's job security!

CTE PATHWAY COURSES

1 AP Computer Science Principles
*Meets 'D' Science Requirement

2 AP Computer Science A
*Meets 'C' Math Requirement
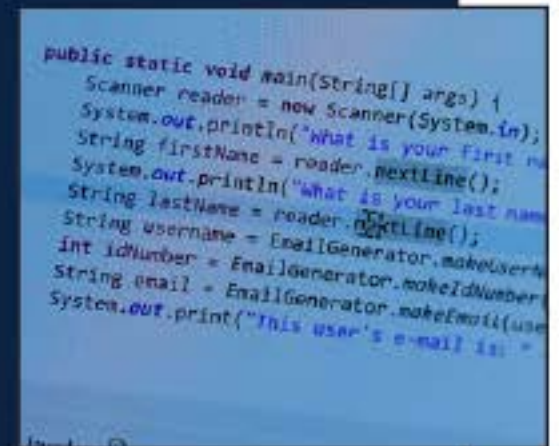
◆ Courses meet A-G college admission requirements*

◆ Careers in Computer Science: Computer Network Architects, Computer Systems Analyst, Database Administrators, Information Security Analysts

◆ Complete the pathway courses with a B or better and earn CTE Honors at graduation

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BECKMAN HIGH SCHOOL

1 Intro to Engineering Design

*Meets 'F' Visual & Performing Arts Requirement

2 Principles of Engineering

*Meets 'G' College Elective Requirement

3 Engineering, Design, & Development

*Meets 'G' College Elective Requirement

ENGINEERING PATHWAY

ENGINEERING & ARCHITECHTURE

The Engineering Pathway allows students to explore mechanical, electrical, and computer engineering. This three-course pathway is a hands-on, project-based experience for students interested in engineering design, development, and robotics. Students work in teams to excel in engineering and robotics competitions, host events, and earn SolidWorks certification. As we surge forward in a highly automated world, the integration of STEM knowledge and skills will prove defensible and highly coveted by employers.

◆ Courses meet A-G college admission requirements*

◆ Careers in Engineering: Electrical & Mechanical Engineer, Aerospace Engineer, Computer Science/AI Engineer

◆ Complete the pathway courses with a B or better and earn CTE Honors at graduation

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BECKMAN MEDIA ARTS

FILM & VIDEO PRODUCTION

ARTS, MEDIA, & ENTERTAINMENT
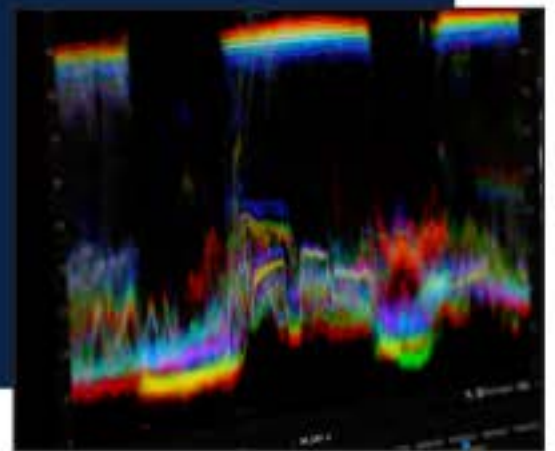
CTE PATHWAY

1 Dramatic Production

2 Digital Film Making

3 Independent Film Projects

The Film and Video Production Pathway sets the stage for students to write, direct, create, edit and produce a wide variety of media from film to podcasts. Students produce the weekly broadcast which is aired to students and staff at their school site as well as capture footage of campus events. In our growing digital world, the skills and knowledge needed to create experiences and engage viewers and listeners is highly coveted. Take action on your future and enroll in Film and Video Production!

◆ Courses meet A-G college admission requirements 'F' Visual & Performing Arts

◆ Earn early college credit in articulated courses

◆ Careers in Film and Broadcast: film editors, sound engineers, lighting specialists, broadcasters, directors, script writers

◆ Complete the pathway courses with a B or better and earn CTE Honors at graduation

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GRAPHIC DESIGN

ARTS, MEDIA, & ENTERTAINMENT

CTE PATHWAY COURSES

1 Graphic Design 1

2 Graphic Design 2

3 Graphic Design 3

4 AP 2D Art & Design

Graphic Design pathway instruction simulates an advertising or creative studio where students develop logos, ads, and posters for clients from the school and community. Projects include designing marketing materials and promotions for the Performing Arts Department and school activities. Students are trained in utilizing Adobe Suite software, including Illustrator and InDesign. As students advance through the pathway, they will learn methods of creating 2D art such as print making, silk-screening methods and using the laser cutter. Examples of these projects and an archive of student work for clients can be found at www.manningartclass.com, under the clients link.

SAN FRANCISCO

SUPERHERO CONCERT
OCTOBER 24!
7:00 PM
PERFORMING ARTS CENTER
FREE ADMISSION!

◆ Courses meet A-G college admission requirements 'F' Visual & Performing Arts

◆ Careers in Graphic Design: digital marketing, branding and advertising, fashion, and social media

◆ Complete the pathway courses with a B or better and earn CTE Honors at graduation

Contact your counselor to enroll or visit www.manningartclass.com for more information

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VISUAL IMAGERY

ARTS, MEDIA, & ENTERTAINMENT

CTE PATHWAY COURSES

1 Photography & Design

2 Visual Imagery

3 Advanced Visual Imagery

4 AP 2D Art & Design

The Visual Imagery Pathway allows students to dive into the art and mechanics of storytelling through media. Students use a wide variety of content as their subjects and industry grade equipment and software to edit and perfect their vision. Show the world what life looks like through your lens in the Visual Imagery pathway!

◆ Courses meet A-G college admission requirements 'F' Visual & Performing Arts

◆ Careers in Visual Imagery: digital marketing, photography, and branding

◆ Complete the pathway courses with a B or better and earn CTE Honors at graduation

Contact your counselor to enroll or scan QR code to visit the Visual Imagery website for more information

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