



CATE Electives

- **Law Enforcement 1**
 - This course is designed as an overview of the history, organization, and functions of local, state and federal law enforcement. Topics in this course include brief overview of criminal law, legal systems, arrest procedures, conflict resolution, use of force, active shooter, security planning, interview/interrogation and substance abuse.
- **Video Game Design**
 - Provides students with the opportunity to design, program and create fully functional video games. The course will introduce basic programming and design skills that are essential to developing a video game. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic.
- **Animation**
 - This technical course develops advanced knowledge and skills in the use of computer multimedia animation. It introduces students to 3-D modeling, rendering techniques and resources. This class will prepare students for a possible future in the television/movie. Students will digitally create both 2D and 3D computer generated animations.
- **Foundations of Cybersecurity**
 - Students will develop the knowledge and skills needed to explore fundamental concepts related to ethics, laws and operations of cybersecurity. Students will learn how to safeguard computers, networks, programs and data from unauthorized access.
- **Digital Interactive Media**
 - Students analyze and assess current and emerging technologies related to design and development. Focus on digital media, design and layout principles, appropriate use of animation, digital media into print, etc. Students will design and create multimedia projects.
- **Computer Science**
 - This course will foster student creativity and innovation by presenting opportunities to design, implement and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies and use computer science concepts to access, analyze and evaluate information needed to solve problems.