## EL DORADO UNION HIGH SCHOOL DISTRICT EDUCATIONAL SERVICES Course of Study Information Page

COURSE TITLE Honors PLTW: Computer Integrated Manufacturing (CIM)			
DISTRICT COURSE NUMBER #0537		4-DIGIT STATE COURSE CODE (COMPLETED BY SILT) 5573	
Rationale:	The Project Lead the Way curriculum, including Honors Computer Integrated Manufacturing, focuses on making math and science relevant for students. The approach used is called APPB-learning (activities, projects, and problem-based learning).		
Course Description that will be in the Course Directory:	Honors CIM is one of the specialization courses in the Project Lead The Way high school engineering program. The course applies and concurrently develops secondary-level knowledge and skills in mathematics, science, and technology.		
How Does this Course align with or meet State and District content standards?	Engineering is a profession that contributes to change and improvements in our world. It creates imaginative and visionary solutions to the challenges of the 21st century – the problems of feeding the world, how we will use energy and continue to protect our environment. Engineering and technology play a vital role in the quality of everyday life and wealth creation. Appropriate attitudes relative to the professional social obligations of the engineer, and the relationships between math, science, technology and society need to be learned. Real world, open-ended engineering problems that cover a wide range of content will be presented.		
NCLB Core Subjects:	☐ Economics ☐ History ☐ English ☐ Mathematic		ore Subject
CDE CALPADS Course Descriptors:  (See Page 2 for Definitions)	COURSE INDICATORS CTE Introd	uctory (01) Remed entrator (02) Honors eleter (03) Honors	UC-Certified (39) Non UC-Certified (34)
Length of Course:	⊠ Year ☐ Semester		
Grade Level(s):	□ 9 🖾 10 🖾 11 🖾 12		
Credit:	<ul> <li>Number of credits: 10</li> <li>Meets graduation requirements (subject CTE)</li> <li>Request for UC "a-g" requirements</li> <li>CSU/UC requirement G</li> </ul>		
Proroquioitoo	Intro to Engineering (#0525) and Hanara		#0F2C\
Prerequisites:	Intro to Engineering (#0535) and Honors Principles of Engineering (#0536) Recommended Geometry completed with a grade B or better		
Department(s):	Non-Departmental		
District Sites:	UMHS		
Board of Trustees COS Adoption Date:	6/14/2016		

Page 1 of 2 F6143A 10/31/11; Rev. 9/21/12

Textbooks / Instructional Materials:	NA
Funding Source:	NA
Board of Trustees Textbook Adoption Date:	NA

## **Definitions**

CALPADS	California Longitudinal Pupil Achievement Data System
CTE Technical Prep	A course within a CTE technical career pathway or program that has been articulated with a postsecondary education or through an apprenticeship program of at least 2 years following secondary instruction.
Instructional Level Code	Represents a nonstandard instructional level at which the content of a specific course is either above or below a 'standard' course instructional level. These levels may be identified by the actual level of instruction or identified by equating the course content and level of instruction with a state or nationally recognized advanced course of study, such as IB or AP.
Instructional Level Honors, UC Certified	Includes all AP courses.
Instructional Level Honors, non UC Certified	Requires Board approval.
Instructional Level College	Includes ACE courses. Equivalent to college course and content, but not an AP course. Not related to section, but to course.

Page 2 of 2 F6143A 10/31/11; Rev. 9/21/12