

CTE Programs of Study Course Information Overview

Anderson High School
2022-2023

1. Cluster: Arts, Audio Visual Technology, and Communications Program of Study: Design and Multimedia Arts

Level 1	Level 2	Level 3	Level 4
Graphic Design & Illustration I (8514.HT00.Y) PEIMS Coding 13008800 (1 credit)	Commercial Photography I (8517.HA00.Y) PEIMS Coding 13009100 (1 credit)	Commercial Photography II (8527.HA00.Y) PEIMS Coding 13009200 (1 credit)	Graphic Design & Illustration II (8524.HA00.Y) PEIMS Coding 13008900 (1 credit) Adobe Certified Associate

Program of Study: Digital Communications

Level 1	Level 2	Level 3	Level 4
Audio/Video Production I (8511.HT00.Y) PEIMS Coding 13008500 (1 credit)	Digital Audio Technology I (8551.R000.Y) PEIMS Coding 13009950 (1 credit)	Audio/Video Production II (8521.HA00.Y) PEIMS Coding 13008600 (1 credit) Adobe Certified Associate - Premiere Pro	Digital Audio Technology II (8552.HA00.Y) PEIMS Coding 13009960 (1 credit) Apple Logic Pro X

2. Cluster: Business, Marketing, and Finance Program of Study: Entrepreneurship

Level 1	Level 2	Level 3	Level 4
Business Information Mgmt. I (8610.HT00.Y) PEIMS Coding 13011400 (1 credit) Microsoft Office Specialist - Excel, PowerPoint, Word Certification	Entrepreneurship (8660.HA00.Y) PEIMS Coding 13034400 (1 credit)	Mobile Application Development (7004.HA00.Y) PEIMS Coding 03580390 (1 credit)	Practicum in Business Mgmt. (8608.HA00.Y) PEIMS Coding 13012200 (2 credits) Microsoft Office Expert - Excel, PowerPoint, Word Certification

3. Cluster: Manufacturing Program of Study: Manufacturing Technology

Level 1	Level 2	Level 3	Level 4
Principles of Manufacturing (8630.R000.Y) PEIMS Coding 13032200 (1 credit)	Metal Fabrication & Machining I (8619.R000.Y) PEIMS Coding 13032700 (2 credits)	Precision Metal Manufacturing I (8614.HA00.Y) PEIMS Coding 13032500 (2 credits)	Precision Metal Manufacturing II (8624.HA00.Y) PEIMS Coding 13032600 (2 credits) Mastercam Associate Level Certification National Institute for Metal Working Skills Industrial Technology Maintenance - Basic Mechanical Systems Certification

Program of Study: Advanced Manufacturing and Machinery Mechanics

Level 1	Level 2	Level 3	Level 4
Principles of Applied Engineering (8716.R000.Y) PEIMS Coding 13036200 (1 credit)	Engineering Design & Presentation I (8714.HT00.Y) PEIMS Coding 13036500 (1 credit) Certified Solidworks Associate (CSWA)	Robotics I (8715.HA00.Y) PEIMS Coding 13037000 (1 credit)	Robotics II (8725.HA00.Y) PEIMS Coding 13037050 (1 credit)

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4. Cluster: Science, Technology, Engineering & Math Program of Study: Biomedical Science

Level 1	Level 2	Level 3	Level 4
Principles of Biomedical Science (PLTW) (8225.HT00.Y) PEIMS Coding N1302092 (1 credit)	Biotechnology I (8713.HT00.Y) PEIMS Coding 13036400 (1 credit)	Medical Microbiology (8218.HA00.Y) PEIMS Coding 13020700 (1 credit) OR Pathophysiology (8219.HA00.Y) PEIMS Coding 13020800 (1 credit) OR Biotechnology II (8723.HA00.Y) PEIMS Coding 13036450 (1 credit) Biotechnician Assistant Credentialing Exam	Practicum in Science, Technology, Engineering, and Mathematics (First Time Taken) (8741.HA00.Y) PEIMS Coding 13037400 (2 credits) OR Scientific Research & Design (8761.HA00.Y) PEIMS Coding 13037200 (1 credit)

Program of Study: Engineering

Level 1	Level 2	Level 3	Level 4
Principles of Applied Engineering (8716.R000.Y) PEIMS Coding 13036200 (1 credit)	Engineering Design & Presentation I (8714.HT00.Y) PEIMS Coding 13036500 (1 credit) Certified SolidWorks Associate (CSWA)	Engineering Design & Problem Solving (8732.HA00.Y) PEIMS Coding 13037300 (1 credit)	Scientific Research & Design (8761.HA00.Y) PEIMS Coding 13037200 (1 credit)

Program of Study: Programming & Software Development

Level 1	Level 2	Level 3	Level 4
Fundamentals of Computer Science (7000.R000.Y) PEIMS Coding 03580140 (1 credit)	Computer Science I (7010.HA00.Y) PEIMS Coding 03580200 (1 credit)	AP Computer Science A (7610.P00M.Y / 7610.P00L.Y) PEIMS Coding A3580110 / A3580120 (1 credit)	Computer Science III (7030.HA00.Y) PEIMS Coding 03580350 (1 credit) Oracle Certified Database Associate JAVA SE 8 Programmer

Program of Study: Cybersecurity

Level 1	Level 2	Level 3	Level 4
Fundamentals of Cybersecurity (7015.R000.Y) PEIMS Coding 3580850 (1 credit)	Computer Science I (7010.HA00.Y) PEIMS Coding 03580200 (1 credit)	AP Computer Science A (7610.P00M.Y / 7610.P00L.Y) PEIMS Coding A3580110 / A3580120 (1 credit)	Cybersecurity Capstone (8754.HA00.Y) PEIMS Coding 3580855 (1 credit)

Program of Study: Renewable Energy

Level 1	Level 2	Level 3	Level 4
Principles of Applied Engineering (8716.R000.Y) PEIMS Coding 13036200 (1 credit)	Digital Electronics (8734.HA00.Y) PEIMS Coding 13037600 (1 credit)	AC/DC Electronics (8730.R000.Y) PEIMS Coding 13036800 (1 credit)	Scientific Research & Design (8761.HA00.Y) PEIMS Coding 13037200 (1 credit)

5. Meets Mathematics High School Graduation Requirements

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(8/34.HA00.Y)
PEIMS Coding 13037600
 (1 credit)

(8/25.HA00.Y)
PEIMS Coding 13037050
 (1 credit)
Certified SolidWorks Associate

(/610.P00M.Y / /610.P00L.Y)
PEIMS Coding
A3580110 / A3580120
 (1 credit)

6. Meets Science High School Graduation Requirements

Scientific Research & Design (8761.HA00.Y) PEIMS Coding 13037200 (1 credit)	Anatomy and Physiology (8217.HA00.Y/(8217.R000.Y) PEIMS Coding 13020600 (1 credit)	Medical Microbiology (8218.HA00.Y) PEIMS Coding 13020700 (1 credit)
Biotechnology I (8713.N00A.X / 8713.N00B.X) PEIMS Coding 13036400 (1 credit)	Biotechnology II (8723.HT00.Y) PEIMS Coding 13036450 (1 credit) Biotechnology Level 1 Certificate ACC Tech (18 hrs.)	Pathophysiology (8219.HA00.Y) PEIMS Coding 13020800 (1 credit)
Engineering Design & Problem Solving (8732.HA00.Y) PEIMS Coding 13037300 (1 credit)	Scientific Research & Design 2 UT (8762.N100.Y) PEIMS Coding 1303 (1 credit)	

7. Electives Only

Money Matters (8112.R000.Y) PEIMS Coding 13016200 (1 credit)	Introduction to Culinary Arts (8414.HT00.Y) PEIMS Coding 13022550 (1 credit)		
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LEGEND

ACC ARTICULATED COURSES

"HT" **Course Numbers:** course available for articulation with ACC and student enrolled is a 9th or 10th grader; weighted credit
 (Project Lead the Way courses only use 'HT' numbers)

AND

"H0" **Course Numbers:** course available for articulation with ACC and student enrolled is an 11th or 12th grader; weighted credit

CTE ADVANCED COURSES

"HA" **Course Numbers:** advanced courses in the program of study selected for an endorsement

The Austin Independent School District offers career and technical education sequence of coursework based on the sixteen federally defined Career Clusters. Admission to these courses is based on interest and aptitude, age appropriateness, and class space availability. It is the policy of the Austin Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendment of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended.