CTE Programs of Study Course Information Overview

Anderson High School
2024-2025

1. Cluster: Arts, Audio Visual Technology, and Communications
Program of Study: Graphic Design and Interactive Media

Level 1	Level 2	Level 3	Level 4
Graphic Design & Illustration I (8514.HT00.Y) **PEIMS Coding 13008800** (1 credit) **Adobe Photoshop Certification** **Adobe Illustrator Certification**	**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)

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)	**Audio/Video Production II** (8521.HA00.Y) **PEIMS Coding 13008600** (1 credit) **Adobe Certified Professional: Adobe Premiere Pro Certification**	**Practicum in Audio/Video Production** (8513.HA00.Y) **PEIMS Coding 13008700** (2 credits)	**Practicum in Entrepreneurship** (8664.HA00.Y) **PEIMS Coding N1303425** (2 credits)

2. Cluster: Business, Marketing, and Finance
Program of Study: Accounting and Financial Services

Level 1	Level 2	Level 3	Level 4
Business Information Management I (8610.HT00.Y) **PEIMS Coding 13011400** (1 credit)	**Money Matters** (8112.HT00.Y) **PEIMS Coding 13016200** (1 credit) OR **Accounting I** (8114.HA00.Y) **PEIMS Coding 13016600** (1 credit)	**Accounting II** (8124.HA00.Y) **PEIMS Coding 13016700** (1 credit) **QuickBooks Certification**	**Practicum in Business Management** (8608.HA00.Y) **PEIMS Coding 13012200** (2 credits)

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

Level 1	Level 2	Level 3	Level 4
Business Information Management I (8610.HT00.Y) **PEIMS Coding 13011400** (1 credit)	**Entrepreneurship** (8660.HA00.Y) **PEIMS Coding 13034400** (1 credit) **Entrepreneurship and Small Business Certification**	**Entrepreneurship II** (8662.HA00.Y) **PEIMS Coding N1303423** (1 credit)	**Practicum in Business Management** (Second Time Taken) (8609.HA00.Y) **PEIMS Coding 13012210** (2 credits)

3. Cluster: Engineering
Program of Study: Engineering Foundations

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)	**Engineering Design & Problem Solving** (8732.HA00.Y) **PEIMS Coding 13037300** (1 credit)	**Scientific Research & Design** (8761.HA00.Y) **PEIMS Coding 13037200** (1 credit)

4. Cluster: Health Science
Program of Study: Biomedical Science

Level 1	Level 2	Level 3	Level 4
	Biotechnology I (8713.HT00.Y) **PEIMS Coding 13036400** (1 credit) OR **Anatomy & Physiology** (8217.HA00.Y) **PEIMS Coding 13020600** (1 credit)	**Pathophysiology** (8219.HA00.Y) **PEIMS Coding 13020800** (1 credit) AND **Biotechnology II** (8723.HA00.Y) **PEIMS Coding 13036450** (1 credit) **Biotechnician Assisting Credentialing Exam (BACE) Certification**	**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)

5. Cluster: Information Technology

Program of Study: Programming & Software Development

Level 1	Level 2	Level 3	Level 4
Fundamentals of Computer Science (7000.R000.Y/7000.N000.Y) **PEIMS Coding 03580140** (1 credit) **OnRamps Certification**	**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) OR **Computer Science II** (7020.HA00.Y) **PEIMS Coding 03580300** (1 credit)	**Computer Science III** (7030.HA00.Y) **PEIMS Coding 03580350** (1 credit)

Program of Study: Cybersecurity

Level 1	Level 2	Level 3	Level 4
Foundations of Cybersecurity (7015.R000.Y) **PEIMS Coding 03580850** (1 credit)	**Computer Science I** (7010.HA00.Y) **PEIMS Coding 03580200** (1 credit) **Cybersecurity Foundations Certification**	**AP Computer Science A** (7610.P00M.Y / 7610.P00L/Y) **PEIMS Coding A3580110 / A3580120** (1 credit)	**Cybersecurity Capstone** (8754.HA00.Y) **PEIMS Coding 03580855** (1 credit)

6. 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) OR **Diversified Manufacturing I** (8623.R000.Y) **PEIMS Coding 13032650** (1 credit)	**Precision Metal Manufacturing I** (8614.HA00.Y) **PEIMS Coding 13032500** (2 credits) **Manufacturing Technology Certification**	**Precision Metal Manufacturing II** (8624.HA00.Y) **PEIMS Coding 13032600** (2 credits)

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)	**Robotics I** (8715.HA00.Y) **PEIMS Coding 13037000** (1 credit)	**Robotics II** (8725.HA00.Y) **PEIMS Coding 13037050** (1 credit)

7. Meets Mathematics High School Graduation Requirements

Digital Electronics (8734.HA00.Y) **PEIMS Coding 13037600** (1 credit)	**Robotics II** (8725.HA00.Y) **PEIMS Coding 13037050** (1 credit)	**AP Computer Science A** (7610.P00M.Y / 7610.P00L.Y) **PEIMS Coding A3580110 / A3580120** (1 credit)

8. 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)	**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 13037210** (1 credit)	**Scientific Research & Design III** (8763- .N110.Y) **PEIMS Coding 13037220** (1 credit)

9. Electives Only

Introduction to Culinary Arts (8414.HT00.Y) **PEIMS Coding 13022550** (1 credit)

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

* Adobe Certified Professional - (Program specific based on selected curriculum)
* Not all certifications may be offered in the pathway