RICHARDSON HIGH SCHOOL

Career and Technical Education Pathways

BUSINESS AND INDUSTRY ENDORSEMENT

Agriculture, Food & Natural Resources Cluster

▶ Animal Science Pathway

Animal Science Pathway cannot be started until 10th grade year

Level 2: Small Animal - CT7104 / Large Animal Management - CT7108 .... 0.5/0.5
Level 3: Adv. Animal Science - CT4411 or Vet Medical App - CT7106..... 1 credit
Level 4: Practicum in Animal Science - CT7105 ..... 2 credits

Architecture & Construction Cluster

JH Course Option: Intro to CAD Architecture & Construction - CT7060

▶ Architectural Design Pathway

Level 1: Principles of Architecture - CT7130 ..... 1 credit
Level 2: Architectural I - CT7124 ..... 1 credit
Level 3: Architectural II - CT7121..... 2 credits
Level 4: Practicum in Architectural Design I - CT7129..... 1 credit

▶ Interior Design Pathway

Level 1: Principles of Architecture - CT7130 ..... 1 credit
Level 2: Interior Design I - CT7126..... 1 credit
Level 3: Interior Design II - CT7123 ..... 2 credits
Level 4: Practicum in Architectural Design I - CT7129..... 1 credit

Arts, Audio Video Technology & Communications Cluster

JH Course Option: Principles of Arts & AV - CT7024

▶ Digital Communications: Animation Pathway

Any Level: Arts & Entertainment Technology OnRamps - U7819..... 1 credit
Level 1: Digital Media - CT7503 ..... 1 credit
Level 2: Animation I - CT7204..... 1 credit
Level 3: Animation II - CT7213 ..... 2 credits
Level 3 or 4: 3D Modeling and Animation - CT7835..... 1 credit
Level 4: Practicum in Animation - CT7216..... 2 credits

▶ Digital Communications: Video Game Design Pathway

Level 1: Video Game Design - CT7234..... 1 credit
Level 2: Game Programming & Design - 7827..... 1 credit
Level 3: Video Game Programming - CT7235 ..... 1 credit
Level 4: Advanced Video Game Programming - CT7219..... 1 credit

Business, Marketing & Finance Cluster

JH Course Option: Principles of Business, Marketing & Finance - CT7021

▶ Entrepreneurship Pathway

Level 1: Foundations of Business Comm. & Technologies - CT7222..... 1 credit
Level 2: Entrepreneurship I - CT7608 ..... 1 credit
Level 3: Entrepreneurship II - CT7609..... 1 credit
Level 4: Pract in Entrepreneurship - CT7612 / Career Prep I - CT7248 ..... 2 or 3
Level 5: Career Prep I - CT7248 / Career Prep II - CT7251 ..... 2 or 3

▶ Marketing & Sales Pathway

Level 1: Principles of Business, Marketing & Finance - CT7220)..... 1 credit
Level 2: Sports & Entertainment Marketing I - CT7602 / II - CT7614..... 0.5/0.5
Level 3: Social Media Marketing - CT7607 / Fashion Marketing - CT7601... 0.5/0.5
Level 4: Practicum in Entrepreneurship - CT7612 / Career Prep I - CT7248.. 2 or 3

▶ Dual Credit PTECH Business Management Pathway

Level 1: PTECH Foundations of Business Comm. & Tech. Dual - CT7222D... 1 credit
Level 2: PTECH Business Management Dual - CT7226D..... 1 credit
Level 3: PTECH Accounting I Dual - CT7305D ..... 1 credit
Level 4: PTECH Practicum in Business Management Dual - CT7227D ..... 2 credits

Hospitality & Tourism Cluster

JH Course Option: Principles of Hospitality & Tourism - CT7047

▶ Lodging and Resort Management Pathway

Level 1: Travel & Tourism Management - CT7402 ..... 1 credit
Level 2: Hotel Management - CT7434..... 1 credit
Level 3: Practicum in Hospitality I - CT7407 / Career Prep I - CT7248 ..... 2 or 3
Level 4: Practicum in Hospitality II - CT7408 / Career Prep II - CT7251..... 2 or 3

STEM Cluster

JH Course Option: Fundamentals of Computer Science - CT7028

▶ Automotive Pathway

Pathway cannot be started until 10th grade year

Level 2: Automotive Technology I - CT7702..... 2 credits
Level 3: Automotive Technology II - CT7703 ..... 2 credits
Level 4: Practicum of Transportation Systems - CT7710..... 2 credits

PUBLIC SERVICE ENDORSEMENT

Education and Training Cluster

▶ On Level or Dual Credit Teaching & Coaching Pathway

Level 1: Principles of Education & Training - CT7240D..... 1 credit
Level 2: Child Development - CT7424 or Dual Credit - CT7424D..... 1 credit
Level 3: Instructional Practices - CT7242 or Dual Credit - CT7242D ..... 2 credits
Level 4: Pract in Education & Training I - CT7232 or Dual Credit - CT7232D
or Second Time Taken - 13014510..... 2 credits
Level 5: Pract in Education & Training + Extended Practicum in Education
and Training First Time Taken - 13014505 ..... 3 credits

Health Science Cluster

**It is HIGHLY recommended that Health Science students choose Anatomy and Physiology as a Science credit*

JH Course Option: Med Term - CT7033

▶ Dual Credit Emergency Medical Technician (EMT) Pathway

Level 1: Dual Credit Principles of Health Science - CT7339D..... 1 credit
Level 2: Dual Credit Health Science Theory - CT7332D..... 1 credit
Level 3: Dual Credit Practicum in Health Science I - CT7323D ..... 2 credits
Level 4: Advanced Practicum in Health Science II EMT - CT7343..... 3 credits

▶ Dual Credit Patient Care Technician (PCT) Pathway

Level 1: Dual Credit Principles of Health Science - CT7339D..... 1 credit
Level 2: Dual Credit Health Science Theory - CT7332D..... 1 credit
Level 3: Dual Credit Practicum in Health Science I - CT7323D ..... 2 credits
Level 4: Dual Credit Practicum in Health Science II - CT7334D..... 2 credits

Human Service Cluster

JH Course Option: Principles of Human Services - CT7420

▶ Counseling & Mental Health Pathway

Level 1: Principles of Counseling & Community Services - CT7913 ..... 1 credit
Level 2: Social & Community Services - CT7914..... 1 credit
Level 3: Counseling & Mental Health - CT7423..... 2 credits
Level 4: Practicum in Human Services I - 13025000 / II - 13025010..... 2 credits

STEM ENDORSEMENT

Information Technology Cluster

JH Course Option: Fundamentals of Computer Science - 7026

▶ Programming & Software Development Pathway

Level 1: AP Comp Sci Principles - 7805 / Computer Science I - 7808..... 1 credit
Level 2: AP Computer Science A - 7810 / Computer Science II - 7809..... 1 credit
Level 3: Computer Science III - 7815..... 1 credit
Level 4: Practicum in Info Tech - CT7515 ..... 2 credits
Level 4: Practicum in Entrepreneurship - CT7612..... 2 credits

DALLAS COLLEGE RICHLAND

DUAL CREDIT PATHWAY OPTIONS:

- Associates of Arts in Business Admin and Mgt
- Level 1 Certificate Health Science
- Associate of Arts in Patient Care Tech
- Associate of Arts in Teaching & Coaching

Students must complete at least 3 courses for 4 or more credits in the same pathway to be a CTE Completer. For more information visit **www.risd.org/cte**.

RICHARDSON HIGH SCHOOL EAGLES

UPDATED NOVEMBER 2026

RHS MAGNET

BUSINESS AND INDUSTRY ENDORSEMENT

Arts, Audio Video Technology & Communication Cluster

▶ Digital Communications: Communications Magnet Pathway

Level 1: Principles of Arts, AV Technology - CT7200 ..... 1 credit
Level 2: Audio Video Production I - WT7205 ..... 1 credit
Level 3: Art & Media Communications - FAB153..... 1 credit
Level 4: Audio Video Production II - WT7206..... 1 credit
Level 5: Digital Audio Tech - CT7217 / Prac of Arts, AV Prod & Comms - WT2711.. 1 or 2

▶ Digital Communications: Game Design Magnet Pathway

Level 1: Principles of Arts, AV Technology - CT7200 ..... 1 credit
Level 2: AP Comp Sci Principles - 7810 / Animation I - CT7204..... 1 credit
Level 3: Video Game Design - CT7234 / Comp Sci I* - 7808 ..... 1 credit
Level 4: Video Game Programming - CT7235 / AP Comp Sci A* - 7810..... 1 credit
Level 5: Advanced Video Game Programming - CT7219/ Comp Sci III*- 7815 .. 1 credit

**Optional*

Hospitality & Tourism Cluster

▶ Culinary Arts Magnet Pathway

Level 1: Intro to Culinary - WT7411 ..... 1 credit
Level 2: Culinary Arts - WT7403..... 2 credits
Level 3: Advanced Culinary Arts - WT7435 ..... 2 credits
Level 4: Practicum in Culinary Arts - WT7404..... 2 credits

Information Technology Cluster

▶ Web Design & Development Magnet Pathway

Level 1: Principles of Information Technology - WT7500 ..... 1 credit
Level 2: Computer Science I - 7808..... 1 credit
Level 3: Web Design - W7831 ..... 1 credit
Level 4: Advanced User Experience Design - WT7516 ..... 1 credit
Level 5: Practicum in Information Technologies- WT7515 ..... 2 credits

Manufacturing Cluster

▶ Manufacturing Technology Magnet Pathway

Level 1: Diversified Manufacturing I - WT7545 ..... 1 credit
Level 2: Diversified Manufacturing II - WT7546 ..... 1 credit
Level 3: Precision Metal Manufacturing - WT7541..... 1 credit
Level 4: Advanced Precision Metal Manufacturing - WT7544..... 2 credits

▶ Engineering & Robotics Magnet Pathway

Level 1: Principles of Applied Engineering - CT7621..... 1 credit
Level 2: Engineering Design & Presentation - CT7622..... 1 credit
Level 3: Robotics I - CT7631..... 1 credit
Level 4: Robotics II - CT3050 ..... 1 credit
Level 5: Practicum of Engineering- CT#### ..... 2 credits

Students must complete at least 3 courses for 4 or more credits in the same pathway to be a CTE Completer. For more information visit **www.risd.org/cte**.

PUBLIC SERVICE ENDORSEMENT

Law and Public Service Cluster

▶ Legal Studies Magnet Pathway

Level 1: Political Science I - WT7318 ..... 1 credit
Level 2: Court Systems & Practices - WT7056..... 1 credit
Level 3: Legal Research & Writing - WT7058 ..... 1 credit
Level 4: Advanced Legal Research & Writing - WT7059 ..... 1 credit
Level 5: Mock Trial - WT7110..... 1 credit

STEM ENDORSEMENT

STEM Cluster

▶ App Development Magnet Pathway

Level 1: AP Computer Science Principles - 7805..... 1 credit
Level 2: Computer Science I - 7808..... 1 credit
Level 3: Mobile Application Development - W7514 ..... 1 credit
Level 4: Independent Study in Technology Applications - 7833 ..... 1 credit

▶ Cybersecurity Magnet Pathway

Level 1: AP Computer Science Principles - 7805..... 1 credit
Level 2: Foundations of Cybersecurity - W7509..... 1 credit
Level 3: Digital Forensics - W7513..... 1 credit
Level 4: Cybersecurity Captone - W7510..... 1 credit

▶ Computer Science Magnet Pathway

Level 1: AP Comp Science Principles - 7805 ..... 1 credit
Level 2: Computer Science - 7808..... 1 credit
Level 3: AP Computer Science A - 7810 / Discrete Math* - 7825D ..... 1 credit
Level 4: Computer Science III - 7815 / Discrete Math* - 7825D..... 1 credit

**Optional*

DUAL CREDIT PATHWAY OPTIONS:

- Associates of Arts in Business Administration & Mgt
- Level 1 Certificate Health Science
- Associate of Arts in Medical Assisting
- Associate of Arts in Teaching & Coaching

RICHARDSON HIGH SCHOOL

Career and Technical Education Pathways

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