

**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Agriculture & Natural Resources	Agricultural Business  <b>Careers:</b> Landscape Managers Agricultural Marketing Farm Realty Agricultural Appraisers Economists Sales Banking Floral Shop Owners Aquaculture Farm Managers Irrigation Managers Agricultural Lending Officers Accounting Product Brokers/Buyers Fisheries Managers Timber Managers	<u>Academic Courses</u> English 9 State Requirements Algebra 1 Physical Education  <u>Career Technical Education/Electives</u> FFA Foreign Language AVID Ag Science 1 (M) Ag Life Science (M) Ag Earth Science (M) Animal Science (M) Ag Physical Science (M)	<u>Academic Courses</u> English 10 Social Science Geometry Physical Education  <u>Career Technical Education/Electives</u> FFA Foreign Language  Ag Science 2 (M)  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Math (Lindhurst)  Ag Biology (M)  Vocational AG Environmental Science (ROP - Colusa) Ag Environmental Science (M)  Ag Construction and Maintenance (ROP – Live Oak, Wheatland)  Ag Natural Resources (ROP - Marysville)	<u>Academic Courses</u> English 11 Social Science Algebra 2  Chemistry  <u>Career Technical Education/Electives</u> FFA  Accounting Principles (ROP – Sutter One Stop)  Basic Accounting (ROP – Pierce, Williams)  Floral Design (ROP – Colusa, Maxwell, Pierce, River Valley)  Vocational AG Science II (ROP – Colusa, Williams)	<u>Academic Courses</u> English 12 Social Science  <u>Career Technical Education/Electives</u> FFA Fine Arts  Agriculture Business Management (Pierce)  Agriculture Business (Maxwell)  Small Business Ownership (ROP - Marysville)  Virtual Enterprise (ROP – Lindhurst, River Valley)  Landscape/Crop (Pierce)	<u>Yuba College</u> Agriculture - A Ag Business – C <u>Woodland College</u> Agriculture - A Ag Business – C <u>Butte College</u> Agriculture – A Ag Business – A/C Ag Education - A <u>Sierra College</u> Agriculture – A/C <u>Consumnes River</u> Agriculture – A/C Ag Business - C <u>CSU Chico</u> Agriculture – B/M Ag Education – B/M Crops, Horticulture and Land Resource Management - B Environmental Economics - B <u>UC Davis</u> Ag Personnel Management - B/M Ag Environmental Education – B/M Ecological Management and Restoration – B/M Landscape Architecture – B/M International Agricultural Development – B/M Managerial Economics – B/M

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Agriculture & Natural Resources	<p>Agricultural Mechanics</p> <p><b>Careers:</b> Equipment Fabricators Irrigation Engineers Welding/Metal Fabrication Irrigation System Designers Land Leveling Equipment Operators Power Systems Mechanics Precision Farming Techs</p>	<p><b>Academic Courses</b> Algebra 1 Physical Science (M) English 9 State Requirements Physical Education</p> <p><b>Career Technical Education/Electives</b> FFA Foreign Language Ag Science 1 (M) Ag Life Science (M) Ag Earth Science (M)</p>	<p><b>Academic Courses</b> Geometry  English 10 Social Science Physical Education</p> <p><b>Career Technical Education/Electives</b> FFA Foreign Language Ag Science 2 (M) Ag Biology (M) Ag Natural Resources (ROP - Marysville) Beginning and Industrial Farm Power Mechanics (ROP – Colusa)  Ag Mechanics 1 (M)  Small Engine Repair (Yuba City)  Metal Shop 1 (M) Wood 1 (M) Construction Arts (ROP – Wheatland, Williams)  Applied Math (M)  Ag Woodworking (Live Oak)  Auto Mechanics (Yuba City)  Auto Diagnosis and Tune-Up (ROP -Yuba City)</p>	<p><b>Academic Courses</b> Algebra 2 Physics English 11 Social Science</p> <p><b>Career Technical Education/Electives</b> FFA</p> <p>Industrial and Farm Power Mechanics (ROP – East Nicolaus )  Ag Mechanics 2 (M) Farm Equipment and Metal Fabrication (ROP – Lindhurst, Live Oak, Pierce, Sutter, Wheatland) Metal Shop (2) Wood 2 (M) Agriculture Construction and Maintenance (ROP – Live Oak, Wheatland)  Welding Technology (ROP - East Nicolaus, Lindhurst, Live Oak, Maxwell, Yuba City)  Ag Power Tech (Pierce)</p>	<p><b>Academic Courses</b>  English 12 Social Science</p> <p><b>Career Technical Education/Electives</b> FFA Fine Arts</p> <p>Advanced Industrial and Farm Power Mechanics (ROP - Colusa) Ag Mechanics 3 (M) Advanced Farm Equipment and Metal Fabrication (Wheatland)  Advanced Metal (M)  Agriculture Production (Live Oak) Agriculture Landscape/Crop (Pierce)</p> <p>Advanced Welding and Manufacturing (ROP – East Nicolaus, Lindhurst, Wheatland)  Ag Power Tech Advanced (Pierce)</p>	<p><b>Yuba College</b> Agriculture – A/C Heavy Equipment Mechanic – C Welding Technology – A/C Ag Landscape and Design – C Ag Landscape Installation and Maintenance - C <b>Butte College</b> Agriculture – A/C Ag Education - A Ag Mechanic – A/C Heavy Equipment Mechanic/Op – C Mechanized Ag – A/C Welding Technology – A/C <b>Consumnes River</b> Agriculture – A/C <b>Sierra College</b> Agriculture – A/C <b>CSU Chico</b> Agriculture – B/M Agriculture Education – B/M Crops, Horticulture, and Land Resource Management – B <b>UC Davis</b> Agricultural and Environmental Education – B/M Landscape Architecture – B/M</p>

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Agriculture & Natural Resources	Agriscience  <b>Careers:</b> Enology Plant Propagation Agriculture Pest Management Food Processing Biotechnology Ag Chemicals Plant/Animal Genetics Hydraulic Engineers Production Management	<u>Academic Courses</u> Algebra 1  English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> FFA Foreign Language Ag Science 1 (M) Ag Life Science (M) Ag Earth Science (M) AVID	<u>Academic Courses</u> Geometry  English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> FFA Foreign Language Ag Science 2 (M)  Ag Biology (M)  Vocational Ag Environmental Science (ROP - Colusa)  Ag Environmental Science (M)  Ag Natural Resources (ROP - Marysville)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u> FFA  Landscape and Ornamental Horticulture (ROP – Lindhurst, Marysville)  Vocational Ag Science 2 (ROP – Colusa, Williams)  Plant Science (Williams)  Animal Science (M)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u> FFA Fine Art  Floral Design (ROP – Colusa, Maxwell, Pierce, River Valley)  Landscape/Crop (Pierce)  Greenhouse Skills (ROP – River Valley)  Biology 2 (River Valley)  Advanced Chemistry/Biology (Yuba City)	<u>Yuba College</u> Agriculture - A  <u>Woodland College</u> Agriculture - A  <u>Butte College</u> Agriculture – A Agriscience – A Natural Resources - A  <u>Sierra College</u> Agriculture - A Agriscience – A  <u>Consumnes River</u> Agriculture – A  <u>CSU Chico</u> Agriscience – B/M Animal Science – B/M Environmental Chemistry – B Hydrologic Science – B/M  <u>UC Davis</u> Animal Science – B/M/D Biotechnology – B/M/D Genetic Resource Conservation – B/M/D Vitaculture and Enology – B/M/D Environmental Horticulture B/M Environmental Science and Management – B/M Entomology – B/M/D Food Science – B/M/D Hydrology – B/M/D Plant and Animal Genetics – B/M/D Plant Science – B/M/D

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Agriculture & Natural Resources	Animal Science  <b>Careers:</b> Animal Breeding Fishing Cattle Ranching Pack Station Meat Inspectors Zoo and Veterinary Work Fish Farming Horseshoeing Poultry Farming Animal Nutritionists Animal Trainers	<u>Academic Courses</u> Algebra 1  English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> FFA Foreign Language Ag Science 1 (M) Ag Life Science (M) Ag Earth Science (M) AVID	<u>Academic Courses</u> Geometry  English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> FFA Foreign Language Ag Science 2 (M)  Ag Biology (M)  Vocational Ag Environmental Science (ROP - Colusa) Applied Math (M)  Ag Natural Resources (ROP - Marysville)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u> FFA  Anatomy/Physiology (M)  Vocational Ag Science 2 (ROP – Colusa, Williams)  Animal Science (M)  Biology 2 (River Valley)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u> FFA Fine Art  Vet Technology (Wheatland)  Advanced Chemistry/Biology (Yuba City)	<u>Yuba College</u> Agriculture - A Veterinary Tech - A <u>Woodland College</u> Agriculture - A <u>Butte College</u> Agriculture – A Ag Business - A Integrated Animal Systems - A <u>Sierra College</u> Agriculture - A Equine Studies - A <u>Consumnes River</u> Agriculture – A Animal Science – A Veterinary Tech - A <u>CSU Chico</u> Agriculture – B/M Animal Science- B/M Pre-Veterinary - B <u>UC Davis</u> Animal Biology – B/M/D Animal Genetics – B/M/D Animal Science – B/M/D Animal Science and Management – B/M/D Animal Biology – B/M/D Avian Science – B/M/D Veterinary Studies – D

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Agriculture & Natural Resources	<p>Ornamental Horticulture</p> <p><b>Careers:</b>                      Floriculture                      Tree Trimming                      Plant Curators                      Nursery Production                      Landscaping and Grounds Keeping                      Plant and Turf                      Propagation/Sales                      Landscape Design                      Floral Designers                      Greenhouse Work                      Golf Course Management                      Retail Nursery Work</p>	<p><b>Academic Courses</b>                      Algebra 1</p> <p>English 9                      State Requirements                      Physical Education</p> <p><b>Career Technical Education/Electives</b>                      FFA                      Foreign Language                      Ag Science 1 (M)                      Ag Life Science (M)                      Ag Earth Science (M)                      AVID</p>	<p><b>Academic Courses</b>                      Geometry</p> <p>English 10                      Social Science                      Physical Education</p> <p><b>Career Technical Education/Electives</b>                      FFA                      Foreign Language                      Ag Science 2 (M)</p> <p>Ag Biology (M)</p> <p>Vocational Ag Environmental Science (ROP - Colusa)</p> <p>Applied Math (M)</p> <p>Ag Natural Resources (ROP - Marysville)</p> <p>Plant Science (Williams)</p>	<p><b>Academic Courses</b>                      Algebra 2                      Chemistry                      English 11                      Social Science</p> <p><b>Career Technical Education/Electives</b>                      FFA</p> <p>Landscape and Ornamental Horticulture (ROP – Lindhurst, Marysville)</p> <p>Vocational Ag Science 2 (ROP – Colusa, Williams)</p> <p>Plant Science (Williams)</p>	<p><b>Academic Courses</b></p> <p>English 12                      Social Science</p> <p><b>Career Technical Education/Electives</b>                      FFA                      Fine Art</p> <p>Floral Design (ROP – Colusa, Maxwell, Pierce, River Valley)</p> <p>Landscape/Crop (Pierce)</p> <p>Greenhouse Skills (ROP – River Valley)</p>	<p><b>Woodland College</b>                      Environmental Horticulture – A/C                      Landscape Maint/Design - C</p> <p><b>Butte College</b>                      Landscape/Turfgrass Tech - C                      Environmental Horticulture – A                      Nursery/Florist - C</p> <p><b>Sierra College</b>                      Agriculture - A                      Agriscience – A</p> <p><b>American River</b>                      Nursery - A                      Landscaping - A</p> <p><b>CSU Chico</b>                      Crops, Horticulture and Land Resource Management – B/M</p> <p><b>UC Davis</b>                      Environmental Horticulture B/M                      Environmental Science and Management – B/M                      Entomology – B/M/D                      Ornamental Horticulture Research and Education – B/M/D                      Plant Genetics – B/M/D                      Plant Science – B/M/D</p>

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Agriculture & Natural Resources	<p>Plant and Soil Science</p> <p><b>Careers:</b> Soil Conservation Horticulturists Irrigation Turf Grass Production Pest Control Advisors Ag Field Representatives Waste Water Specialists Plant Biologists Entomology Soil Nutrition Viticulture Botanists Orchardists Crop Farmers</p>	<p><b>Academic Courses</b> Algebra 1</p> <p>English 9 State Requirements Physical Education</p> <p><b>Career Technical Education/Electives</b> FFA Foreign Language Ag Science 1 (M) Ag Life Science (M) Ag Earth Science (M) Animal Science (M) AVID</p>	<p><b>Academic Courses</b> Geometry</p> <p>English 10 Social Science Physical Education</p> <p><b>Career Technical Education/Electives</b> FFA Foreign Language Ag Science 2 (M)</p> <p>Ag Biology (M)</p> <p>Vocational Ag Environmental Science (ROP - Colusa)</p> <p>Ag Environmental Science (M)</p> <p>Ag Natural Resources (ROP - Marysville)</p>	<p><b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science</p> <p><b>Career Technical Education/Electives</b> FFA</p> <p>Landscape and Ornamental Horticulture (ROP – Lindhurst, Marysville)</p> <p>Vocational Ag Science 2 (ROP – Colusa, Williams)</p> <p>Plant Science (Williams)</p> <p>Biology 2 (River Valley)</p>	<p><b>Academic Courses</b> English 12 Social Science</p> <p><b>Career Technical Education/Electives</b> FFA Fine Art</p> <p>Floral Design (ROP – Colusa, Maxwell, Pierce, River Valley)</p> <p>Landscape/Crop (Pierce)</p> <p>Greenhouse Skills (ROP – River Valley)</p> <p>Advanced Chemistry/Biology (Yuba City)</p>	<p><b>Woodland College</b> Environmental Horticulture – A/C Landscape Maint/ Design - C <b>Butte College</b> Landscape/Turfgrass Tech - C Environmental Horticulture – A/C Nursery/Florist - C <b>Sierra College</b> Agriculture - A Agriscience – A Forestry – A <b>American River</b> Nursery - A Landscaping – A <b>Sacramento City</b> Waste Water Treatment -A <b>CSU Chico</b> Crops, Horticulture and Land Resource Management – B/M Pre – Forestry – B <b>UC. Davis</b> Environmental Horticulture B/M Environmental Science and Management – B/M Entomology – B/M/D Ornamental Horticulture Research and Education – B/M/D Plant Genetics – B/M/D Plant Science – B/M/D Plant Genomics – B/M Weed Science – B Sustainable Agriculture Research – B/M/D</p>

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Arts, Media & Entertainment	<p>Media and Design Arts</p> <p><b>Careers:</b> Graphic Designers Film Loaders Cutters/Fitters/Seamstress Media And Design Arts Techs Special Effects Coordinators Camera Operators Sound Technicians Sign Painters Lighting Technicians Publicity Directors Fine Artists Photographers Videographers Animators Make-Up Artists</p>	<p><b>Academic Courses</b> Algebra 1 Physical Science English 9 State Requirements Physical Education</p> <p><b>Career Technical Education/Electives</b> Art I (M) Ceramics 1 (M) Foreign Language Art Appreciation (M) Art History (M) Drama 1 (M)</p>	<p><b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education</p> <p><b>Career Technical Education/Electives</b> Art II (M) Ceramics 2 (M) Foreign Language Decorative Art (M) Drawing/Painting (M) Drama 2 (M) Creative Writing (M)</p> <p>Photography (ROP – Lindhurst, Marysville, Sutter, Yuba City) Beginning Photo/Photography I (M) Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce) Applied Math (M) Life Skills (M) Consumer Math (M)</p>	<p><b>Academic Courses</b> Algebra 2 Physics English 11 Social Science</p> <p><b>Career Technical Education/Electives</b> Art III – (M) Ceramics 3 (M) 3D Art (River Valley) Studio Art (Colusa) Drama 3 (M) Multimedia (M) Digital Art Media (Yuba City) Applied Photography (Yuba City) Digital Photography (River Valley)</p>	<p><b>Academic Courses</b> English 12 Social Science</p> <p><b>Career Technical Education/Electives</b> Art III – IV (M) Ceramics 4 (M) Drama 4 (M) 3D Animation (ROP – Marysville, Pierce, River Valley, Sutter, Yuba City) Advanced Photography (Yuba City) Advanced Digital Photography (River Valley) Graphic Communications (ROP – Colusa, Live Oak, Marysville, Maxwell, Sutter, Williams) Yearbook (M) Radio/TV (ROP - Lindhurst)</p>	<p><b>Yuba College</b> Photography – A/C Commercial Art – A/C Multimedia - C</p> <p><b>Butte College</b> Ceramics Multimedia Studies – A/C Photography – A/C Radio/TV Film – A/C Fine Arts – A/C Graphic Design – A/C</p> <p><b>Sierra College</b> Art - A Graphic Design – A/C Multimedia – A/C Photography – A/C</p> <p><b>American River College</b> Art - A Art New Media – A Digital Media – A/C Fine Arts – A Graphic Design - A 3D Animation - C</p> <p><b>Sacramento City College</b> Art - A Art History – A Photography – A/C Graphic Communications</p> <p><b>Consumnes River</b> Art – A Art History - A Art New Media – A Digital Media – A/C Desktop Publishing – C Radio Production – A Photography – A/C Television Production – A/C</p>

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Arts, Media & Entertainment	<p>Performing Arts</p> <p><b>Careers:</b> Actors Radio/Television Broadcasters Dancers Fashion Models Announcers Music Directors/Conductors Voice-Over Artists Entertainers Film Composers Musicians Stunt Doubles Choreographers</p>	<p><b>Academic Courses</b> Algebra 1 Physical Science English 9 State Requirements Physical Education</p> <p><b>Career Technical Education/Electives</b> Foreign Language Choir 1 (M) Band 1 (M) Music 1 (M) Drama 1 (M)</p> <p>Music Appreciation &amp; Theory (M) Art Appreciation (M) P.E. Dance (M)</p>	<p><b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education</p> <p><b>Career Technical Education/Electives</b> Foreign Language Choir 2 (M) Band 2 (M) Music 2 (M) Drama 2 (M)</p> <p>Creative Writing (M) Applied Math (M) Life Skills (M) Consumer Math (M)</p>	<p><b>Academic Courses</b> Algebra 2 Physics English 11 Social Science</p> <p><b>Career Technical Education/Electives</b> Choir 3 (M) Band 3 (M) Music 3 (M) Drama 3 (M) String Orchestra (RV)</p> <p>Multimedia (M) Journalism (M) Film at Literature (Yuba City)</p>	<p><b>Academic Courses</b> English 12 Social Science</p> <p><b>Career Technical Education/Electives</b> Choir 4 (M) Band 4 (M) Music 4 (M) Drama 4 (M) String Orchestra (RV)</p> <p>Radio/TV (ROP - Lindhurst) Drama 4 (M)</p>	<p><b>Yuba College</b> Commercial Art – A Multimedia - C Mass Comm – A/C Theatre Arts – A Music – A</p> <p><b>Butte College</b> Multimedia Studies – A/C Radio/TV Film – A</p> <p><b>American River College</b> Art New Media – A Digital Media – A/C Commercial Music – A/C Theatre Arts - A Music - A Jazz Studies – A</p> <p><b>Sacramento City College</b> Commercial Music – A/C Music – A Theatre Arts - A</p> <p><b>Consumnes River</b> Art New Media – A Broadcast Journalism - A Cable Access Prod - C Digital Media – A/C Radio Production – A Film/Media Studies - A Television Production – A Music - A Theatre Arts - A</p> <p><b>Sierra College</b> Costuming – C Stagecraft – C Music – A Communications – A</p> <p><b>CSU Chico</b> Music Performance – B Music Education – B</p> <p><b>CSU Sacramento</b> Film/Media Studies – B Music Production – B</p>

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Arts, Media & Entertainment	<b>Production/Managerial Arts</b>  <u>Careers:</u> Production Managers Costume Designers Publishers Performance Tour Managers Sound Engineers Sound Design Editors Stage Managers Set Designers Entertainment Technicians Web Site Technicians Camera Operators Producers Visual Effects Coordinators	<u>Academic Courses</u> Algebra 1 Physical Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Foreign Language Drama 1 (M) Music (M) Music Appreciation & Theory (M) Art I (M) AVID	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language Drama 2 (M)  Drawing and Painting (M) Decorative Art (M)  Drawing (Yuba City)  Digital Art Media (Yuba City)  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Math (Lindhurst)  Applied Math (M)  Life Skills (M)  Consumer Math (M)	<u>Academic Courses</u> Algebra 2 Physics English 11 Social Science  <u>Career Technical Education/Electives</u> Drama 3 (M)  3D Art (Yuba City) Studio Art (Colusa) Creative Writing (M)  Multimedia (M)  Web Page Design (ROP – Lindhurst, Live Oak, Pierce, River Valley, Yuba City)  Journalism (M)	<u>Academic Courses</u> English 12 Social Science  <u>Career Technical Education/Electives</u> Drama 4 (M)  3D Animation (ROP – Marysville, Pierce, River Valley, Sutter, Yuba City)  Advanced Web Page Design (River Valley) Advanced Photography (Yuba City)  Radio/TV (ROP - Lindhurst)	<u>Yuba College</u> Commercial Art – A Multimedia - C Mass Comm – A/C Theatre Arts – A Music – A <u>Butte College</u> Multimedia Studies – A/C Radio/TV Film – A <u>American River College</u> Art New Media – A Digital Media – A/C 3D Animation – Cert Commercial Music – A/C Theatre Arts - A Music - A Jazz Studies – A <u>Sacramento City College</u> Commercial Music – A/C Music – A Theatre Arts - A Web Page Design – C <u>Consumnes River</u> Art New Media – A Digital Media – A/C Radio Production – A Film/Media Studies - A Television Production – A Music - A Theatre Arts - A Web Page Design – C <u>Sierra College</u> Costuming – C Stagecraft – C Music – A <u>CSU Chico</u> Music Industry Recording Arts – B Music Production – B <u>CSU Sacramento</u> Film/Media Studies - B Music Production – B

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Building Trades and Construction	Cabinet Making and Wood Products  <b>Careers:</b> Furniture Making Rough or Finish Carpentry Millwork Cabinetmaking	<u><b>Academic Courses</b></u> Algebra 1 Physical Science English 9 State Requirements Physical Education  <u><b>Career Technical Education/Electives</b></u> Foreign Language Wood I (M) Woodcrafts (M) Fine Art	<u><b>Academic Courses</b></u> Geometry Biology English 10 Social Science Physical Education  <u><b>Career Technical Education/Electives</b></u> Foreign Language Wood 2 (M)  Construction Arts (ROP – Wheatland, Williams)  Ag Woodworking (Live Oak)  Applied Math (M)	<u><b>Academic Courses</b></u> Algebra 2 Physics English 11 Social Science  <u><b>Career Technical Education/Electives</b></u>  Wood 3 (M)  Furniture & Cabinet Making First Level (ROP – Williams, Lindhurst)  Drafting 1 (M)	<u><b>Academic Courses</b></u>  English 12 Social Science  <u><b>Career Technical Education/Electives</b></u>  Wood 4 (M)  Furniture & Cabinet Making (ROP - East Nicolaus, Marysville)  Industrial Design (ROP – Yuba City)	<u><b>American River College</b></u> Design Technology – A/C  <u><b>Sacramento City College</b></u> Industrial Technology – A/C  <u><b>Sierra College</b></u> Cabinet Making - C Mill Cabinet - C

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Building Trades and Construction	Residential and Commercial Construction  <b>Careers:</b> Carpenters Glaziers Plumbers Roofers Building Inspectors Masons Plaster and Stucco Workers Floor and Tile Installers Insulation Workers Structural Engineers Painters and Paperhangers Dry Wall Installers	<b>Academic Courses</b> Algebra 1 Physical Science English 9 State Requirements Physical Education  <b>Career Technical Education/Electives</b> Wood 1(M) Foreign Language  Fine Art  Ag Woodworking (Live Oak)	<b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education  <b>Career Technical Education/Electives</b> Wood 2 Foreign Language  Drafting 1 (M)  Commercial and Residential Community Development (ROP – Yuba County Charter)  Construction Arts (ROP – Wheatland, Williams)  Applied Math (M)	<b>Academic Courses</b> Algebra 2 Physics English 11 Social Science  <b>Career Technical Education/Electives</b> Wood 3 (M)  Agriculture Const and Maintenance (ROP – Live Oak, Wheatland)  Industrial Design (ROP- Yuba City)	<b>Academic Courses</b> Trigonometry  English 12 Social Science  <b>Career Technical Education/Electives</b> Wood 4 (M)  Youth Build (ROP – Yuba County Charter)  Construction Technology (ROP – Yuba County Charter, Bi-County Juvenile Hall)  Architectural Design (ROP – Wheatland, Yuba City)	<b>Butte College</b> Building Inspector Technology – A/C  <b>Consumnes River</b> Building Inspector Technology – A/C Construction – A/C Construction Management Technology – A/C  <b>Sierra College</b> Residential Building Construction – A/C  <b>CSU Sacramento</b> Construction Management – B/M  <b>CSU Chico</b> Construction Management – B/M  <b>ITT Tech Sacramento</b> Construction Management – B Construction Tech – A/B  <b>Wyo Tech Sacramento</b> Plumbing

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Building Trades and Construction	Engineering and Heavy Construction	<b>Academic Courses</b> Algebra 1	<b>Academic Courses</b> Geometry	<b>Academic Courses</b> Algebra 2	<b>Academic Courses</b> Trigonometry/Pre Calculus	<b>Yuba College</b> Welding Technology – A
	<b>Careers:</b> Surveying Welding Heavy Equipment Operators Mechanical Engineers Civil Engineers Iron Workers Rough Carpenters Cement Masons	Physical Science English 9 State Requirements Physical Education  <b>Career Technical Education/Electives</b> Drafting 1(M) Fine Art Foreign Language Mech Drawing 1 (M) AVID	Biology English 10 Social Science Physical Education  <b>Career Technical Education/Electives</b> Drafting 2 (M)  Foreign Language Mech Drawing 2 (M)  Metal Shop 1 (M)  Beginning and Industrial Farm Power Mechanics (ROP – Colusa) Agriculture Construction and Maintenance (ROP – Live Oak, Wheatland)	Physics English 11 Social Science  <b>Career Technical Education/Electives</b> Drafting 3 (M)  Mech Drawing 3 (M)  Metal Shop 2 (M)  Farm Equipment and Metal Fabrication (ROP – Lindhurst, Live Oak, Pierce, Sutter, Wheatland) Welding Technology (ROP – East Nicolaus, Lindhurst, Live Oak, Maxwell, Yuba City)  Industrial Design (ROP – Yuba City)	English 12 Social Science  <b>Career Technical Education/Electives</b> Drafting 4 (M)  Mech Drawing 4 (M)  Metal Shop 3 (M)  Advanced Farm Equipment and Metal Fabrication (Wheatland)  Advanced Welding Technology (ROP – East Nicolaus, Lindhurst, Wheatland)	<b>Butte College</b> Civil Engineering - A Mech Engineering - A Heavy Equipment Operator – C <b>American River College</b> Engineering – A Engineering Design – A Engineering Tech – A Welding Tech – A/C <b>Consumnes River</b> Construction – A/C Welding Tech - C <b>Sacramento City College</b> Industrial Technology - A <b>Sierra College</b> Residential Building Construction – A/C Civil Engineering - A Mech Engineering -A Arch Engineering - A <b>CSU Sacramento</b> Civil Engineering – B/M Mech Engineering –B/M <b>CSU Chico</b> Civil Engineering – B/M Mech Engineering –B/M Concrete Industry Management – B <b>ITT Tech Sacramento</b> Construction Tech – A/B Computer Drafting and Design – A

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Building Trades and Construction	<b>Mechanical Construction</b>  <u>Careers:</u> Plumbers Heating Cooling Electricians Refrigeration Piping Specialists	<u>Academic Courses</u> Algebra 1 Physical Science English 9 State Requirements Physical Education	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education	<u>Academic Courses</u> Algebra 2 Physics English 11 Social Science	<u>Academic Courses</u>  English 12 Social Science	<u>Yuba College</u> Electronics Technology – A/C <u>Butte College</u> Electrical/Electronic Engineering – A/C <u>American River College</u> Electrical/Electronic Engineering – A/C Electronics Technology – A/C <u>Sacramento City College</u> Electrical/Electronic Engineering – A/C Electronics Technology – A/C <u>Sacramento City College</u> Electrical/Electronic Engineering – A/C Electronics Technology – A/C <u>Wyo Tech Sacramento</u> HVAC Commercial Electrician Residential Electrician Plumbing <u>CSU Sacramento</u> Electrical Engineering – B/M <u>CSU Chico</u> Electrical Engineering – B/M <u>UC Davis</u> Electrical Engineering – B/M Electronic Materials Engineering – B/M
		<u>Career Technical Education/Electives</u> Wood 1 (M)  Fine Art Foreign Language	<u>Career Technical Education/Electives</u>  Foreign Language  Commercial and Residential Community Development (ROP – Yuba County Charter)  Construction Arts (ROP – Wheatland, Williams) Agriculture Const and Maintenance (ROP – Live Oak, Wheatland)  Applied Math (M)  Drafting 1 (M)  Mechanical Drawing (M)	<u>Career Technical Education/Electives</u>  Construction Technology (ROP – Yuba County Charter, Bi-County Juvenile Hall)  Electronics 1 (River Valley)	<u>Career Technical Education/Electives</u>  Youth Build (ROP – Yuba County Charter)  Electronics 2 (River Valley)	

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Education, Child Development & Family Services	<p>Child Development</p> <p><b>Careers:</b>                      Infant Caregivers                      Parent Educators                      Teacher's Aides                      After-School Supervisors                      Adoption Counselors                      School Counselors                      Preschool Teachers                      Child Psychologists                      Head Start Teachers                      Child Care Supervisors                      Child Protection Services                      Social Workers</p>	<p><b>Academic Courses</b>                      Algebra 1                      Life Science (M)                      English 9                      State Requirements                      Physical Education</p> <p><b>Career Technical Education/Electives</b>                      Fine Art                      Foreign Language                      Home Economics 1 (M)                      Life Skills (M)                      AVID</p>	<p><b>Academic Courses</b>                      Geometry                      Biology                      English 10                      Social Science                      Physical Education</p> <p><b>Career Technical Education/Electives</b>                      Foreign Language                      Home Economics 2 (M)                      Life Management 2 (River Valley)                      Applied Math (M)                      Consumer Math (M)                      Health (M)</p>	<p><b>Academic Courses</b>                      Algebra 2                      Chemistry                      English 11                      Social Science</p> <p><b>Career Technical Education/Electives</b>                      Child Development and Guidance (River Valley)                      Human Relations (Marysville)                      Psychology (M)                      Nutrition Science (Yuba City)                      Anatomy and Physiology (M)</p>	<p><b>Academic Courses</b>                      English 12                      Social Science</p> <p><b>Career Technical Education/Electives</b>                      Early Childhood Careers (ROP – Marysville, River Valley, Yuba City)</p>	<p><b>Yuba College</b>                      Early Childhood Ed - A                      Child Development - C                      Diversity in ECE – C                      Infant and Toddler – C                      School Age Children – C                      Psychology – A</p> <p><b>Woodland College</b>                      Early Childhood Ed – A                      Diversity in ECE – C                      Infant and Toddler – C                      Child Development - C</p> <p><b>Clearlake College</b>                      Early Childhood Ed – A                      Child Development - C                      Infant and Toddler – C</p> <p><b>Butte College</b>                      Early Childhood Ed - A/C                      Liberal Studies – A</p> <p><b>American River College</b>                      Early Childhood Ed – A                      Psychology - A</p> <p><b>Consumnes River</b>                      Early Childhood Ed – A/C                      Psychology - A</p> <p><b>Sacramento City College</b>                      Early Childhood Ed - A/C                      Psychology – A</p> <p><b>Sierra College</b>                      Early Childhood Ed - A                      Master Teacher –A                      Early Childhood Education Supervisor - A                      Psychology - A</p> <p><b>CSU Sacramento</b>                      Child Development - B                      Liberal Studies – B                      Psychology – B/M</p> <p><b>CSU Chico</b>                      Child Development - B                      Liberal Studies - B                      Psychology – B/M</p>

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Education, Child Development & Family Services	<p>Consumer Services</p> <p><b>Careers:</b>            Credit Counselors            Financial Planners            Product Demonstrators            Public Relations Reps            Customers Service Reps            Consumer Affairs Director            Property Management            Research and Design            Product Development</p>	<p><b>Academic Courses</b>            Algebra 1            Life Science (M)            English 9            State Requirements            Physical Education</p> <p><b>Career Technical Education/Electives</b>            Fine Art            Foreign Language            Home Economics 1 (M)            Life Skills (M)            AVID</p>	<p><b>Academic Courses</b>            Geometry            Biology            English 10            Social Science            Physical Education</p> <p><b>Career Technical Education/Electives</b>            Foreign Language            Home Economics 2 (M)            Life Management 2 (River Valley)            Applied Math (M)            Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)            Business Applications (East Nicolaus)            Business Math (Lindhurst)            Consumer Math (M)</p>	<p><b>Academic Courses</b>            Algebra 2            Chemistry            English 11            Social Science</p> <p><b>Career Technical Education/Electives</b>            Applied Marketing (ROP – Yuba County Charter, Colusa Learning Center)            Basic Accounting (ROP – Pierce, Williams)            Human Relations (Marysville)            Accounting Principles and Practices (ROP - Sutter County One Stop)</p>	<p><b>Academic Courses</b>            English 12            Social Science</p> <p><b>Career Technical Education/Electives</b>            Careers in Retail and Finance (ROP – Yuba City)            Product Development and Design (ROP – Sutter)            Small Business Ownership (ROP – Marysville)            Virtual Enterprise (ROP – Lindhurst, River Valley)</p>	<p><b>Yuba College</b>            Business - A/C  <b>Woodland College</b>            Business – A/C  <b>Clearlake College</b>            Business – A/C  <b>Butte College</b>            Business – A/C            Real Estate – A/C  <b>American River College</b>            Business – A/C            Real Estate – A/C  <b>Consumnes River</b>            Business – A/C            Real Estate – A/C            Finance – A/C            Family and Consumer - A  <b>Sacramento City College</b>            Business – A/C            Real Estate – A/C            Family and Consumer - A            Customer Service – A/C  <b>Sierra College</b>            Business – A/C            Real Estate – A/C  <b>CSU Sacramento</b>            Finance – B/M            Real Estate – B            Risk Management - B            Public Relations - B            Consumer Studies - B  <b>CSU Chico</b>            Finance – B/M            Financial Mgt - B            Financial Services - B</p>

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Education, Child Development & Family Services	<p>Education</p> <p><b><u>Careers:</u></b>                      Elementary Teachers                      Middle School Teachers                      Secondary Teachers                      Special Education Teachers                      School Counselors                      School Administrators                      Teachers Aides                      Tutors                      Speech Therapists</p>	<p><b><u>Academic Courses</u></b>                      Algebra 1                      Life Science (M)                      English 9                      State Requirements                      Physical Education</p> <p><b><u>Career Technical Education/Electives</u></b>                      Foreign Language                      AVID</p>	<p><b><u>Academic Courses</u></b>                      Geometry                      Biology                      English 10                      Social Science                      Physical Education</p> <p><b><u>Career Technical Education/Electives</u></b>                      Foreign Language                      Human Relations (Marysville)                      Psychology (M)                      Health (M)</p>	<p><b><u>Academic Courses</u></b>                      Algebra 2                      Chemistry                      English 11                      Social Science</p> <p><b><u>Career Technical Education/Electives</u></b>                      Child Development and Guidance (River Valley)                      Nutrition Science (Yuba City)</p>	<p><b><u>Academic Courses</u></b>                      English 12                      Social Science</p> <p><b><u>Career Technical Education/Electives</u></b>                      Fine Art                      Early Childhood Careers (ROP – Marysville, River Valley, Yuba City)</p>	<p><b><u>Yuba College</u></b>                      Early Childhood Ed - A                      Psychology- A  <b><u>Woodland College</u></b>                      Early Childhood Ed – A  <b><u>Clearlake College</u></b>                      Early Childhood Ed – A  <b><u>Butte College</u></b>                      Early Childhood Ed - A/C                      Liberal Studies – A                      Psychology – A  <b><u>American River College</u></b>                      Early Childhood Ed –A/C                      Sign Lang Studies - C  <b><u>Consumnes River</u></b>                      Early Childhood Ed - A/C                      Psychology – A  <b><u>Sacramento City College</u></b>                      Early Childhood Ed - A/C                      Psychology - A  <b><u>Sierra College</u></b>                      Early Childhood –A/C                      Deaf Studies – A                      Psychology – A  <b><u>CSU Sacramento</u></b>                      Liberal Studies - B                      Psychology – A/M                      School Administration                      School Counseling - PPS                      Speech Education and Elementary/Secondary Teaching Credential                      Rehab – B                      Speech Pathology and Audiology - B  <b><u>CSU Chico</u></b>                      Liberal Studies - B                      Psychology – A/M                      School Administration                      School Counseling - PPS                      Elementary/Secondary Teaching Credential</p>

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CAREER PATHWAY COURSE MATRIX  
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Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Education, Child Development & Family Services	<p>Family and Human Services</p> <p><b>Careers:</b>            Personal/Home Care Aides            Social Workers            Family Advocates            Elder Care Coordinators            Community Workers            Special Needs Case Worker            Geriatric Care            Group Home Administrator</p>	<p><b>Academic Courses</b>            Algebra 1            Life Science (M)            English 9            State Requirements            Physical Education</p> <p><b>Career Technical Education/Electives</b>            Foreign Language            AVID            Student Leadership</p>	<p><b>Academic Courses</b>            Geometry            Biology            English 10            Social Science            Physical Education</p> <p><b>Career Technical Education/Electives</b>            Foreign Language            Student Leadership            Human Relations (Marysville)            Psychology (M)            Health (M)</p>	<p><b>Academic Courses</b>            Algebra 2            Chemistry            English 11            Social Science</p> <p><b>Career Technical Education/Electives</b>            Student Leadership            Nutrition Science (Yuba City)            Leadership and Community Development (ROP – Marysville)            Anatomy and Physiology (M)</p>	<p><b>Academic Courses</b>            English 12            Social Science</p> <p><b>Career Technical Education/Electives</b>            Fine Art            Student Leadership            Hospital/Community Health Care (ROP – Marysville)            Health Care Information Services (ROP - Sutter County One Stop)            Basic Patient Care (ROP - Sutter County One Stop, Yuba County One Stop)</p>	<p><b>Yuba College</b>            Chemical Dependency Counselor – A            Chemical Dependency Awareness - A  <b>Woodland College</b>            Chemical Dependency Counselor – A            Chemical Dependency Awareness - A  <b>Clearlake College</b>            Chemical Dependency Counselor – A            Chemical Dependency Awareness - A  <b>Butte College</b>            Home Health Aide – C            Alcohol and Drug Studies –A            Addiction Studies - A  <b>American River College</b>            Gerontology - A            Human Services – A            Funeral Service - A  <b>Consumnes River</b>            Family and Consumer - A            Human Services - A  <b>Folsom College</b>            Family Studies - B            Gerontology - B            Human Services - A  <b>Sacramento City College</b>            Community Leadership - A            Family and Consumer - A            Gerontology – B            Human Services – A            Occupational Therapy - A  <b>CSU Sacramento</b>            Family Studies - B            Gerontology - B            Social Work – B</p>

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CAREER PATHWAY COURSE MATRIX  
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Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Energy & Utilities	Electromechanical Installation and Maintenance  <b>Careers:</b> Power Meter Installers Meter Readers Utility Technicians Major Appliance Designers Appliance Repair Instrument Calibration Electrical Engineers	<u>Academic Courses</u> Algebra 1 Physical Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language AVID	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Mechanical Drawing 1 (M)  Applied Math (M)	<u>Academic Courses</u> Algebra 2 Physics English 11 Social Science  <u>Career Technical Education/Electives</u>  Mechanical Drawing 2 (M)  Electronics 1 (River Valley)	<u>Academic Courses</u> Trig/Pre Calc  English 12 Social Science  <u>Career Technical Education/Electives</u>  Industrial Design (ROP – Yuba City)  Electronics 2 (River Valley)  AP Computer Science A (ROP – Lindhurst)	<u>Yuba College</u> Electronics Tech - C <u>Butte College</u> Electrical/Electronic Engineering – A/C <u>Sacramento City College</u> Electrical/Electronic Engineering – A/C Electronics Technology – A/C Mechanical and Electrical Technology – A/C <u>American River College</u> Electrical/Electronic Engineering – A/C Electronics Technology – A/C Mechtronics – A/C <u>Wvo Tech</u> <u>Sacramento</u> Commercial Electrician Residential Electrician <u>CSU Sacramento</u> Electrical Engineering – B/M <u>CSU Chico</u> Electrical Engineering – B/M Mechtronic Engineering - B/M <u>UC Davis</u> Electrical Engineering – B/M Electronic Materials Engineering – B/M

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Energy & Utilities	Energy and Environmental Technology  <b>Careers:</b> Energy Management Waste Management Pollution Control Chemical Engineers Nuclear Engineers	<b>Academic Courses</b> Geometry Physical Science English 9 State Requirements Physical Education  <b>Career Technical Education/Electives</b> Fine Art Foreign Language AVID	<b>Academic Courses</b> Algebra 2 Biology English 10 Social Science Physical Education  <b>Career Technical Education/Electives</b> Foreign Language  Vocational Ag Environmental Science (ROP - Colusa)  Ag Environmental Science (M)  Ag Natural Resources (M)	<b>Academic Courses</b> Trig/Pre Calc Chemistry English 11 Social Science  <b>Career Technical Education/Electives</b>  Vocational Ag Science 2 (ROP – Colusa, Williams)  Plant Science (Williams)  Electronics (River Valley)	<b>Academic Courses</b> Calculus Physics English 12 Social Science  <b>Career Technical Education/Electives</b>  Advanced Chemistry and Biology (Yuba City)  Biology 2 (River Valley)  AP Computer Science A (ROP – Lindhurst)	<b>American River College</b> Biotechnology - A Chemistry - A <b>Butte College</b> Engineering – A Environmental Sci – A Chemistry - A <b>Sacramento City College</b> Wastewater Treatment – A Chemistry - A <b>Sierra College</b> Watershed Ecology - A Chemistry - A <b>CSU Sacramento</b> Bio Conservation – B/M Chemistry – B/M Environmental Studies – B/M <b>CSU Chico</b> Earth Resource Science -B/M Chemistry – B/M <b>CSU East Bay</b> Chemical Engineering - B/M Chemistry – B/M Environmental Studies – B/M <b>UC Davis</b> Chemical Engineering B/M/D Bio-Chemical Engineering B/M/D <b>UC Berkeley</b> Bio-Chemical Engineering B/M/D Chemical Engineering B/M/D Nuclear Engineering B/M/D

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Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Energy & Utilities	<b>Public Utilities</b>  <b>Careers:</b> Energy Management Engineer Waste Management Engineer Facilities Engineer Water System Technicians Water System Engineers Power Grid Engineers Facility Design Engineer Chemical Engineer Nuclear Engineer Utility Engineer	<u>Academic Courses</u> Geometry Physical Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> FFA Foreign Language Life Science (M) Earth Science (M) AVID  Drafting 1(M) Mech Drawing 1 (M)	<u>Academic Courses</u> Algebra 2 Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Drafting 2 (M) Mech Drawing 2 (M)  Vocational Ag Environmental Science (ROP - Colusa) Ag Environmental Science (M)  Ag Natural Resources (M)	<u>Academic Courses</u> Trig/Pre Calc Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u>  Electronics (River Valley)  Vocational Ag Science 2 (ROP – Colusa, Williams)  Plant Science (Williams)	<u>Academic Courses</u> Calculus Physics English 12 Social Science  <u>Career Technical Education/Electives</u>  Advanced Chemistry and Biology (Yuba City)  Biology 2 (River Valley)  AP Computer Science A (ROP – Lindhurst)	<u>American River College</u> Biotechnology - A Chemistry - A Engineering – A <u>Butte College</u> Engineering – A Environmental Sci – A Chemistry - A <u>Sacramento City College</u> Wastewater Treatment – A Chemistry - A Engineering – A <u>Sierra College</u> Watershed Ecology - A Chemistry - A Engineering – A <u>CSU Sacramento</u> Bio Conservation – B/M Chemistry – B/M Environmental Stud – B/M Engineering – B/M <u>CSU Chico</u> Earth Resource Sci –B/M Chemistry – B/M Engineering – B/M <u>CSU East Bay</u> Chemical Eng – B/M Chemistry – B/M Environmental Stud – B/M Engineering – B/M <u>UC Davis</u> Chemical Engineering B/M/D Bio-Chemical Engineering B/M/D <u>UC Berkeley</u> Bio-Chemical Engineering B/M/D Chemical Engineering B/M/D Nuclear Engineering B/M/D

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Energy & Utilities	Residential and Commercial Energy and Utilities  <b>Careers:</b> Solar Engineers Facilities Engineers HVAC Technicians/Engineer Electrical Tech/Engineer Industrial Maintenance Tech Industrial Engineer	<b>Academic Courses</b> Algebra 1 Physical Science English 9 State Requirements Physical Education  <b>Career Technical Education/Electives</b> Fine Art Foreign Language AVID Drafting 1(M) Mech Drawing 1 (M)	<b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education  <b>Career Technical Education/Electives</b> Foreign Language  Drafting 2 (M) Mech Drawing 2 (M)   Electronics (River Valley)	<b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science  <b>Career Technical Education/Electives</b>  Drafting 3 (M) Mech Drawing 3 (M)  Industrial Design (ROP – Yuba City)  Electronics 2 (River Valley)	<b>Academic Courses</b> Trig/Pre Calc Physics English 12 Social Science  <b>Career Technical Education/Electives</b>  Drafting 4 (M) Mech Drawing 4 (M)  Architectural Design (ROP – Wheatland, Yuba City)  AP Computer Science A (ROP – Lindhurst)	<b>Yuba College</b> Electronics Tech - C  <b>Butte College</b> Electrical Engineering - A  <b>Sacramento City College</b> Mechanical and Electrical Technology – A/C Industrial Technology - A  <b>American River College</b> Mechtronics – A/C  <b>Wyo Tech Sacramento</b> HVAC Commercial Electrician Residential Electrician Plumbing  <b>CSU Sacramento</b> Electrical Engineering - B/M  <b>CSU Chico</b> Electrical Engineering – B/M Mechronic Engineering - B/M

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Engineering & Design	Architectural and Structural Engineering  <b>Careers:</b> Engineering Aides Drafters/Designers Structural Engineers Industrial Designers Architects Surveyors Civil Engineers Engineering Instructors	<u>Academic Courses</u> Algebra 1 Physical Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language AVID Drafting 1(M) Mech Drawing 1 (M)	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Drafting 2 (M) Mech Drawing 2 (M)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u>  Drafting 3 (M) Mech Drawing 3 (M)  Industrial Design (ROP – Yuba City)  Electronics (River Valley)	<u>Academic Courses</u> Trig/Pre Calc Physics English 12 Social Science  <u>Career Technical Education/Electives</u>  Drafting 4 (M) Mech Drawing 4 (M)  Architectural Design (ROP – Wheatland, Yuba City)  AP Computer Science A (ROP – Lindhurst)	<u>Yuba College</u> Arch Studies – A <u>Butte College</u> Civil Engineering - A Mech Engineering - A Heavy Equipment Operator – C <u>American River College</u> Engineering – A Engineering Design – A Engineering Tech – A <u>Sacramento City College</u> Industrial Technology - A <u>Consumnes River</u> Architecture Design – A <u>Sierra College</u> Civil Engineering - A Mech Engineering -A Arch Engineering - A <u>CSU Sacramento</u> Civil Engineering – B/M Mech Engineering – B/M <u>CSU Chico</u> Civil Engineering – B/M Mech Engineering – B/M <u>ITT Tech Sacramento</u> Computer Drafting and Design – A

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Engineering & Design	Computer Hardware, Electrical and Network Engineering  <b>Careers:</b> Computer Engineers Electrical Engineers Network Technicians Network Administrators Electricians Computer Repair Telecommunication Engineers	<u>Academic Courses</u> Algebra 1 Physical Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language AVID Keyboarding (M)	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Electronics (River Valley)  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u>  Electronics 2 (River Valley)  AP Computer Science A (ROP – Lindhurst)	<u>Academic Courses</u> Trig/Pre Calc Physics English 12 Social Science  <u>Career Technical Education/Electives</u>  Computer Repair (ROP - River Valley)  A+ Certification (ROP -Lindhurst)	<u>Yuba College</u> Electronics Tech - C CompTia A+ - C CISCO CCNA - C Microsoft MCSA - C Network Technologies - C Network Security – C Systems Admin – C Unix - C <u>Butte College</u> CompTia A+ - C CISCO CCNA - C Microsoft MCSA - C Electrical Engineering – A <u>Consumnes River</u> Computer Networking – A/C Computer Information Science – A/C <u>Sacramento City College</u> Mechanical and Electrical Technology – A/C Networking – A/C Computer Information Science – A/C Telecommunications – A/C <u>American River College</u> Mechtronics – A/C Computer Networking – A/C Computer Information Science – A/C Telecommunications – A/C <u>Wvo Tech Sacramento</u> Commercial Electrician Residential Electrician <u>CSU Chico</u> Electrical Engineering – B/M

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Engineering & Design	<p>Engineering Design</p> <p><b>Careers:</b> CAD/CAM Technicians Drafters/Designers Structural Engineers Civil Engineers Architects Software Engineers</p>	<p><b>Academic Courses</b> Algebra 1 Physical Science English 9 State Requirements Physical Education</p> <p><b>Career Technical Education/Electives</b> Fine Art Foreign Language AVID Drafting 1(M) Mech Drawing 1 (M)</p>	<p><b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education</p> <p><b>Career Technical Education/Electives</b> Foreign Language Drafting 2 (M) Mech Drawing 2 (M)</p> <p>Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)</p>	<p><b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science</p> <p><b>Career Technical Education/Electives</b> Drafting 3 (M) Mech Drawing 3 (M)</p> <p>Industrial Design (ROP – Yuba City)</p> <p>Electronics (River Valley)</p>	<p><b>Academic Courses</b> Trig/Pre Calc Physics English 12 Social Science</p> <p><b>Career Technical Education/Electives</b> Drafting 4 (M) Mech Drawing 4 (M)</p> <p>Architectural Design (ROP – Wheatland, Yuba City)</p> <p>AP Computer Science A (ROP – Lindhurst)</p>	<p><b>Yuba College</b> Architectural Studies – A Computer Science</p> <p><b>Butte College</b> Auto CAD Specialist - C CAD and Drafting Technology – A Civil Engineering - A Computer Science Mech Engineering - A</p> <p><b>American River College</b> Computer Information Science – A/C Engineering – A Engineering Design – A Engineering Tech – A</p> <p><b>Sacramento City College</b> Computer Information Science – A/C Industrial Technology - A</p> <p><b>Consumnes River</b> Architecture Design – A Computer Information Science – A/C</p> <p><b>Sierra College</b> Computer Information Science – A/C Civil Engineering - A Arch Engineering - A</p> <p><b>CSU Sacramento</b> Civil Engineering – B/M Computer Science – B/M</p> <p><b>CSU Chico</b> Civil Engineering – B/M Computer Science – B/M</p> <p><b>ITT Tech Sacramento</b> Computer Drafting and Design – A Computer Science – B/M</p>

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Engineering & Design	Engineering Technology  <b>Careers:</b> Electricians Electrical Engineer Industrial Engineer Telecommunications Worker	<b>Academic Courses</b> Algebra 1 Physical Science English 9 State Requirements Physical Education  <b>Career Technical Education/Electives</b> Fine Art Foreign Language AVID Keyboarding (M)	<b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education  <b>Career Technical Education/Electives</b> Foreign Language Electronics (River Valley)	<b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science  <b>Career Technical Education/Electives</b> Electronics 2 (River Valley)	<b>Academic Courses</b> Trig/Pre Calc Physics English 12 Social Science  <b>Career Technical Education/Electives</b>  AP Computer Science A (ROP – Lindhurst)  Industrial Design (ROP – Yuba City)	<b>Yuba College</b> Electronics Tech - C <b>Butte College</b> Electrical Engineering - A <b>Sacramento City College</b> Industrial Technology - A Mechanical and Electrical Technology – A/C Telecommunications Technology – A/C <b>American River College</b> Engineering Technology – A/C Fiber Optics – C Mechtronics – A/C Telecommunications Technology – A/C <b>Wvo Tech Sacramento</b> HVAC Commercial Electrician Residential Electrician <b>CSU Sacramento</b> Electrical Engineering - B/M <b>CSU Chico</b> Electrical Engineering – B/M Mechronic Engineering - B/M

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Engineering & Design	Environmental and Natural Science Engineering  <u>Careers:</u> Environmental Planners Oceanographers Hydrographers Survey Engineers Mapping Technicians Meteorologist Ecologist Park Naturalist Environmental Engineer Chemical Engineer Civil Engineer	<u>Academic Courses</u> Algebra 1 Physical Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language AVID Drafting 1(M) Mech Drawing 1 (M)	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Drafting 2 (M) Mech Drawing 2 (M)  Vocational Ag Environmental Science (ROP - Colusa)  Ag Environmental Science (M)  Ag Natural Resources (M)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u>  Electronics (River Valley)  Vocational Ag Science 2 (ROP – Colusa, Williams)  Plant Science (Williams)	<u>Academic Courses</u> Trig/Pre Calc Physics English 12 Social Science  <u>Career Technical Education/Electives</u>  AP Computer Science A (ROP – Lindhurst)  Biology 2 (River Valley)  Advanced Chemistry and Biology (Yuba City)	<u>American River College</u> Biotechnology - A Chemistry - A <u>Butte College</u> Environmental Sci – A First Nations Environmental Protection - A Chemistry - A <u>Sacramento City College</u> Wastewater Treatment – A Chemistry - A <u>Sierra College</u> Watershed Ecology - A Chemistry - A <u>CSU Sacramento</u> Bio Conservation – B/M Chemistry – B/M Environmental Studies – B/M <u>CSU Chico</u> Applied Ecology – B Atmospheric Science – B Chemistry – B/M Earth Resource Science -B/M Environmental Science – B Hydrologic Science - B <u>UC Davis</u> Atmospheric Science- B/M Chemical Engineering B/M/D Ecological Management and Restoration – B/M Environmental Science – B/M/D Environmental Toxicology – B/M Hydrology – B/M

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

<b>Industry Sector</b>	<b>Pathway/Jobs</b>	<b>9<sup>th</sup> grade courses</b>	<b>10<sup>th</sup> grade courses</b>	<b>11<sup>th</sup> grade courses</b>	<b>12<sup>th</sup> grade courses</b>	<b>Post Secondary</b>
Fashion & Interior Design	Fashion Design, Manufacturing and Merchandising  <u><b>Careers:</b></u> Fashion Designers Fashion Illustrators Fashion Photographers Fashion Buyers Fashion Advisors Showroom Assistants Pattern Makers Visual Merchandisers Sales Associates Seamstress Alterations Stylists	<u><b>Academic Courses</b></u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u><b>Career Technical Education/Electives</b></u> Home Economics I (M) Foreign Language  Art I (M)	<u><b>Academic Courses</b></u> Geometry Biology English 10 Social Science Physical Education  <u><b>Career Technical Education/Electives</b></u> Home Economics 2 (M)  Foreign Language  Art 2 (M)  Life Skills (M)  Consumer Math (M)  Photography (ROP – Lindhurst, Marysville, Sutter, Yuba City)  Beginning Photo/Photography I (M)	<u><b>Academic Courses</b></u> Algebra 2  English 11 Social Science  <u><b>Career Technical Education/Electives</b></u> Home Economics 3 (M)  Decorative Art (M)  Applied Photography (Yuba City)  Digital Photography (River Valley)	<u><b>Academic Courses</b></u>  English 12 Social Science  <u><b>Career Technical Education/Electives</b></u> Home Economics 4 (M)  Clothing (Yuba City)  Advanced Photography (Yuba City)  Advanced Digital Photography (River Valley)	<u><b>Butte College</b></u> Fashion Merchandising - A Fashion Design - A <u><b>American River College</b></u> Fashion Merchandising - A Fashion Design - A <u><b>Sierra College</b></u> Fashion Merchandising - A <u><b>Sacramento City College</b></u> Fashion Merchandising - A Fashion Design – A <u><b>Fashion Design Institute San Francisco</b></u> Fashion Design Fashion Photography Footwear Design Film and Costume Design Jewelry Design Merchandise Marketing Merchandise Product Development Beauty Merchandise Marketing

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Fashion & Interior Design	Interior Design Furnishings and Maintenance  <b>Careers:</b> Interior Designers Design Assistants Preservationists Floor Covering Specialists Visual Merchandisers Set Decorators Facility and Space Planners Photo Stylists Ergonomic Consultants	<u><b>Academic Courses</b></u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u><b>Career Technical Education/Electives</b></u> Home Economics 1 (M) Foreign Language Art I (M)	<u><b>Academic Courses</b></u> Geometry Biology English 10 Social Science Physical Education  <u><b>Career Technical Education/Electives</b></u> Home Economics 2 (M)  Foreign Language Art 2 (M)  Life Skills (M)  Consumer Math (M)  Photography (ROP – Lindhurst, Marysville, Sutter, Yuba City)  Beginning Photo/Photography I (M)	<u><b>Academic Courses</b></u> Algebra 2  English 11 Social Science  <u><b>Career Technical Education/Electives</b></u> Home Economics 3 (M)  Decorative Art (M)  Applied Photography (Yuba City)  Digital Photography (River Valley)	<u><b>Academic Courses</b></u>  English 12 Social Science  <u><b>Career Technical Education/Electives</b></u> Home Economics 4 (M)  Interior Design (River Valley)	<u><b>Butte College</b></u> Interior Design  <u><b>American River College</b></u> Interior Design  <u><b>Sierra College</b></u> Interior Design  <u><b>Sacramento City College</b></u> Interior Design  <u><b>Fashion Design Institute San Francisco</b></u> Merchandise Marketing Merchandise Product Development Entertainment Set and Decoration Visual Communications Interior Design Textile Design International Manufacturing and Product Development

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Finance & Business	Accounting Services	<b>Academic Courses</b> Algebra 1 Life Science English 9 State Requirements Physical Education	<b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education	<b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science	<b>Academic Courses</b>  English 12 Social Science	<b>Yuba College</b> Accounting – A Income Tax Prep - A <b>Woodland College</b> Accounting – A Income Tax Prep - A <b>Clearlake College</b> Accounting – A Income Tax Prep - A <b>Butte College</b> <b>American River College</b> Accounting – A <b>Consumnes River</b> Accounting – A Finance – A/C <b>Sierra College</b> Accounting – A <b>Sacramento City College</b> Accounting – A <b>CSU Chico</b> Accounting – B/M Accounting Information Systems - B/M Corporate Finance - B Finance – B/M Financial Management - B <b>CSU Sacramento</b> Accounting – B/M Accounting Information Systems - B/M Finance – B/M
	<b>Careers:</b> Accounting Account Clerks Cost Estimators Controllers Assessors Auditors Personal Advisors Financial Advisors Financial Examiners Loan Officers Payroll Clerks Budget Analysts Insurance Appraisers Bookkeepers Financial Analysts Tax Preparers	<b>Career Technical Education/Electives</b> FBLA Fine Art Foreign Language AVID Keyboarding (M)	<b>Career Technical Education/Electives</b> FBLA  Foreign Language  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Business Math (Lindhurst)	<b>Career Technical Education/Electives</b> FBLA   Microsoft Office Computer Applications (ROP – Sutter County One Stop)  Office Education Lab (ROP – Colusa Learning Center, Sutter County One Stop, Yuba County One Stop)	<b>Career Technical Education/Electives</b> FBLA   Basic Accounting (ROP – Pierce, Williams)  Accounting Principles and Practices (ROP – Sutter County One Stop)	

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Finance & Business	Banking and Related Services  <b>Careers:</b> Bank Tellers Claims Examiners Loan Officers Internal Auditors Business Teachers Account collectors Escrow Officers Purchasing Agents Loan Counselors Credit Analysts	<b>Academic Courses</b> Algebra 1 Life Science English 9 State Requirements Physical Education  <b>Career Technical Education/Electives</b> FBLA Fine Art Foreign Language AVID Keyboarding (M)	<b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education  <b>Career Technical Education/Electives</b> FBLA  Foreign Language  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Business Math (Lindhurst)	<b>Academic Courses</b> Algebra 2  English 11 Social Science  <b>Career Technical Education/Electives</b> FBLA  Microsoft Office Computer Applications (ROP – Sutter County One Stop)  Office Education Lab (ROP – Colusa Learning Center, Sutter County One Stop, Yuba County One Stop)  Product Development and Design (ROP – Sutter)  Small Business Ownership (ROP – Marysville)  Virtual Enterprise (ROP – Lindhurst, River Valley)	<b>Academic Courses</b>  English 12 Social Science  <b>Career Technical Education/Electives</b> FBLA  Basic Accounting (ROP – Pierce, Williams)  Accounting Principles and Practices (ROP – Sutter County One Stop)	<b>Yuba College</b> Business - A/C Retail Management – A/C <b>Woodland College</b> Business – A/C <b>Clearlake College</b> Business – A/C <b>Butte College</b> Business – A/C Real Estate – A/C <b>American River College</b> Business – A/C Real Estate – A/C Retail Management – A/C <b>Consumnes River</b> Business – A/C Real Estate – A/C Finance – A/C Retail Management – A/C <b>Sacramento City College</b> Business – A/C Real Estate – A/C <b>Sierra College</b> Business – A/C Real Estate – A/C Retail Management – A/C <b>CSU Sacramento</b> Finance – B/M Real Estate – B Risk Management - B <b>CSU Chico</b> Finance – B/M Financial Management - B Financial Services – B

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Finance & Business	Business Financial Management  <u>Careers:</u> Credit Insurance Appraisers Personal Financial Advisors Underwriters Securities Officers Economists Budget Analysts Arbitrators/Mediators Financial Analysts Financial Managers Loan Officers Tax and Claims Examiner Financial Planner Stock Brokers Treasurers Purchasing Agents	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> FBLA Fine Art Foreign Language Keyboarding (M) AVID	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> FBLA  Foreign Language Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Business Math (Lindhurst)	<u>Academic Courses</u> Algebra 2  English 11 Social Science  <u>Career Technical Education/Electives</u> FBLA  Microsoft Office Computer Applications (ROP – Sutter One County Stop)  Office Education Lab (ROP – Colusa Learning Center, Sutter County One Stop, Yuba County One Stop)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u> FBLA  Basic Accounting (ROP – Pierce, Williams)  Accounting Principles and Practices (ROP – Sutter County One Stop)  Product Development and Design (ROP – Sutter)  Small Business Ownership (ROP – Marysville)  Virtual Enterprise (ROP – Lindhurst, River Valley)	<u>Yuba College</u> Business - A/C Business Management A/C <u>Woodland College</u> Business – A/C Business Management A/C <u>Clearlake College</u> Business – A/C Business Management A/C <u>Butte College</u> Business – A/C Business Management A/C Real Estate – A/C <u>American River College</u> Business – A/C Business Management A/C Real Estate – A/C <u>Consumnes River</u> Business – A/C Real Estate – A/C Finance – A/C <u>Sacramento City College</u> Business – A/C Real Estate – A/C <u>Sierra College</u> Business – A/C Real Estate – A/C <u>CSU Sacramento</u> Economics B/M Finance – B/M Real Estate – B Risk Management - B <u>CSU Chico</u> Economics B/M Finance – B/M Financial Mgt- B Financial Services - B

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Health Science & Medical Technology	<b>Biotechnology Research</b>  <u>Careers:</u> Biomedical Chemists Biotechnology Assistants Biomedical Technicians Biotechnology Scientists Clinical Trials Researchers Biostatisticians Biotechnology Technicians Quality Control Technicians Bioinformatics Specialists	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Foreign Language Keyboarding (M) AVID	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Fine Art  Health (M)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u> Biology 2 (River Valley)  Anatomy and Physiology (M)  Nutrition Science (Yuba City)	<u>Academic Courses</u> Trig/Pre Calc Physics English 12 Social Science  <u>Career Technical Education/Electives</u> Advanced Chemistry and Biology (Yuba City)  Medical Terminology (ROP – Sutter County One Stop)	<u>Butte College</u> Biological Science - A <u>American River College</u> Biotechnology – A/C <u>Sierra College</u> Biological Science - A <u>CSU Chico</u> Biochemistry - B Biological Sciences – B Cellular Biology – B Molecular Biology - M <u>CSU Sacramento</u> Biological Sciences – B <u>UC Davis</u> Biotechnology – B/M/D Biochemistry – B/M/D Biological Sciences – B/M/D Cell Biology – B/M/D Exercise Biology – B/M Molecular Biology – B/M/D

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Health Science & Medical Technology	<b>Diagnostic Services</b>  <u>Careers:</u> Medical Laboratory Aide Radiology Technologists Biotechnology Scientists Medical Lab Technicians Biotechnology Engineers Clinical Medical Techs Transporters Geneticists Radiologists Cardiology Technologists Medical Lab Assistants	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language Keyboarding (M) AVID	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Health (M)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u> Anatomy and Physiology (M)  Vocational Anatomy and Physiology (ROP – Sutter County One Stop)  Biology 2 (River Valley) Nutrition Science (Yuba City)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u> Medical Office Services (ROP – Sutter County One Stop)  Medical Terminology (ROP – Sutter County One Stop)  Hospital/Community Health Care (ROP – Marysville)  Health Care Information Services (ROP - Sutter County One Stop)  Advanced Chemistry and Biology (Yuba City)	<u>Tri-County ROP</u> Certified Nurses Assistant – C Basic Arrhythmias - C <u>Sutter County One Stop</u> Phlebotomy <u>Yuba College</u> Radiologic Technology – A/C Emergency Medical Technician - C <u>Butte College</u> Biological Science - A Certified Nurses Assistant - C Emergency Medical Technician - C Paramedic – A/C <u>American River College</u> Biotechnology – A/C Certified Nurses Assistant - C Emergency Medical Technician - C Paramedic – A/C <u>Sierra College</u> Biological Science - A <u>CSU Chico</u> Biological Sciences – B <u>CSU Sacramento</u> Biological Sciences – B <u>UC Davis</u> Biotechnology – B/M/D Biological Sciences – B/M/D Cardiology- D Genetics – B/M/D

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Health Science & Medical Technology	<b>Health Informatics</b>  <u>Careers:</u> Medical Records Clerks Health Unit Coordinators Telehealth Technicians Medical Record Techs Health Service Administrators Medical Transcriptionists Health Educators Medical Coders Medical Librarians Medical Receptionist Hospital Administrator Nursing Home Administrator	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language Keyboarding (M) AVID	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Business Math (Lindhurst)  Consumer Math (M)  Health (M)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u> Vocational Anatomy and Physiology (ROP – Sutter County One Stop)  Nutrition Science (Yuba City)  Microsoft Office Computer Applications (ROP – Sutter One Stop)  Office Education Lab (ROP – Colusa Learning Center, Sutter One Stop, Yuba One Stop)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u>  Medical Office Services (ROP – Sutter County One Stop)  Medical Terminology (ROP – Sutter County One Stop)  Hospital/Community Health Care (ROP – Marysville)  Health Care Information Services (ROP - Sutter County One Stop)	<u>Yuba College</u> Medical Office Skills – A Medical Office Procedures - A <u>Woodland College</u> Medical Office Skills – A Medical Office Procedures - A <u>Clearlake College</u> Medical Office Skills – A Medical Office Procedures - A <u>Butte College</u> Medical Front Office Medical Transcription <u>American River College</u> Health Education – A/C <u>Consumnes River College</u> Medical Administrative Assistant Health Education – A/C <u>CSU Chico</u> Gerontology - B Health Services Administration – B Health Education - B <u>CSU Sacramento</u> Gerontology - B Health Services Administration – B Health Education - B

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Health Science & Medical Technology	<b>Support Services</b>  <u>Careers:</u> Industrial Hygienists Central Supply Aides Environmental Services Tech Environmental Health Tech Health Educators Morticians Central Supply Technicians Medical Materials Managers Nursing Home Administrators	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language Keyboarding (M) AVID	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Health (M)  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Applied Math (M) Consumer Math (M)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u> Anatomy and Physiology (M)  Vocational Anatomy and Physiology (ROP – Sutter County One Stop)  Biology 2 (River Valley)  Nutrition Science (Yuba City)  Office Education Lab (ROP – Colusa Learning Center, Sutter One Stop, Yuba One Stop)  Microsoft Office Computer Applications (ROP – Sutter One Stop)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u>  Advanced Chemistry and Biology (Yuba City)  Hospital/Community Health Care (ROP – Marysville)  Health Care Information Services (ROP - Sutter County One Stop)  Basic Patient Care (ROP - Sutter County One Stop, Yuba County One Stop)  Home Health Aide (ROP - Sutter County One Stop)	<u>American River College</u> Funeral Services - A <u>Consumnes River</u> Health Information Technology – A/C <u>CSU Chico</u> Gerontology - B Health Services Administration – B Health Education - B <u>CSU Sacramento</u> Gerontology - B Health Services Administration – B Health Education - B Occupational Health and Safety - B

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Health Science & Medical Technology	<b>Therapeutic Services</b>  <b>Careers:</b> Physical Therapy Aides Medical Assistants Exercise Physiologists Physician Assistants Emergency Medical Techs Physical Therapy Aides Respiratory Therapy Aides Dental Hygienists Pharmacists Physical Therapists Dentists Fitness/Aerobics Instructors Licensed Vocational Nurse Registered Nurse Certified Nurses Assistant	<u><b>Academic Courses</b></u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u><b>Career Technical Education/Electives</b></u> Fine Art Foreign Language Keyboarding (M) AVID	<u><b>Academic Courses</b></u> Geometry Biology English 10 Social Science Physical Education  <u><b>Career Technical Education/Electives</b></u>  Foreign Language  Health (M)  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Applied Math (M)  Consumer Math (M)	<u><b>Academic Courses</b></u> Algebra 2 Chemistry English 11 Social Science  <u><b>Career Technical Education/Electives</b></u>  Anatomy and Physiology (M)  Vocational Anatomy and Physiology (ROP – Sutter County One Stop)  Biology 2 (River Valley)  Nutrition Science (Yuba City)  Office Education Lab (ROP – Colusa Learning Center, Sutter One Stop, Yuba One Stop)  Microsoft Office Computer Applications (ROP – Sutter One Stop)	<u><b>Academic Courses</b></u>  English 12 Social Science  <u><b>Career Technical Education/Electives</b></u> Dental Assisting (ROP – Marysville)  Sports Medicine Careers (ROP – Marysville, River Valley, Yuba City)  Hospital/Community Health Care (ROP – Marysville)  Health Care Information Services (ROP - Sutter County One Stop)  Basic Patient Care (ROP - Sutter County One Stop, Yuba County One Stop)  Home Health Aide (ROP - Sutter County One Stop)  Basic Arrhythmias (ROP - Sutter County One Stop)  Advanced Chemistry and Biology (Yuba City)	<u><b>Tri-County ROP</b></u> Licensed Vocational Nurse <u><b>Yuba College</b></u> EMT Registered Nurse Licensed Vocational Nurse - A Radiology Tech - A <u><b>Woodland College</b></u> Registered Nurse Licensed Vocational Nurse <u><b>Butte College</b></u> Registered Nurse - A Respiratory Care - A Exercise Physiology - A Licensed Vocational Nurse - A Certified Nurses Assistant <u><b>American River College</b></u> Respiratory Care - A Licensed Vocational Nurse - A Certified Nurses Assistant Registered Nurse - A <u><b>Sierra College</b></u> Licensed Vocational Nurse - A Certified Nurses Assistant Registered Nurse - A <u><b>Sacramento City College</b></u> Licensed Vocational Nurse - A Physical Therapy Assistant - A Dental Hygienist - A <u><b>CSU Chico</b></u> Exercise Physiology - B Pre-Physical Therapy - B Nursing - B

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Hospitality, Tourism, & Recreation	<b>Food Service Hospitality</b>  <u>Careers:</u> Line Cooks Food Stylists Bakers Wait Staff Food Designers Sous Chef Executive Chef Caterers Food Service Directors Food Expeditors	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language  Home Economics 1 (M)	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Home Economics 2 (M)  Health (M)  Applied Math (M)  Consumers Math (M) Business Math (M)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u>  Food Service Deli (ROP – East Nicolaus, Sutter)  Nutrition Science (Yuba City)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u>  Culinary Catering (ROP – East Nicolaus)  Culinary Arts (ROP - Wheatland )	<u>Yuba College</u> Culinary Arts – A/C  <u>Clearlake College</u> Culinary Arts – A/C  <u>American River College</u> Culinary Arts Mgmt – A/C Baking - C <u>Consumnes River</u> Culinary Arts Mgmt – A/C  <u>Art Institute of CA</u> Culinary Arts – A Culinary Arts – B Baking and Pastry – C Art of Cooking – C  <u>Culinary Institute of America, St. Helena</u> Culinary Arts – A Baking/Pastry Arts – A  <u>Kitchen Academy, Sacramento</u> Culinary Arts – A

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Hospitality, Tourism, & Recreation	Food Science, Dietetics, and Nutrition  <b>Careers:</b> Dietary Aides Personal Chefs Food Product Testers/Tasters Registered Dietitians Dietary Chefs Food Scientists Dietetic Technicians Food Product Developers	<u><b>Academic Courses</b></u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u><b>Career Technical Education/Electives</b></u> Fine Art Foreign Language  Home Economics 1 (M)	<u><b>Academic Courses</b></u> Geometry Biology English 10 Social Science Physical Education  <u><b>Career Technical Education/Electives</b></u> Foreign Language  Home Economics 2 (M)  Health (M)  Applied Math (M)  Consumers Math (M) Business Math (M)	<u><b>Academic Courses</b></u> Algebra 2 Chemistry English 11 Social Science  <u><b>Career Technical Education/Electives</b></u>  Food Service Deli (ROP – East Nicolaus, Sutter)  Nutrition Science (Yuba City)	<u><b>Academic Courses</b></u>  English 12 Social Science  <u><b>Career Technical Education/Electives</b></u>  Culinary Catering (ROP – East Nicolaus)  Culinary Arts (ROP - Wheatland )	<u><b>American River College</b></u> Nutrition and Foods – A/C Health Education - A Dietary Service – A/C  <u><b>Consumnes River</b></u> Nutrition and Foods – A/C Health Education - A Dietetic Tech - C  <u><b>Folsom College</b></u> Nutrition and Foods – A/C Health Education - A  <u><b>Sac City College</b></u> Nutrition and Foods – A/C Health Education - A  <u><b>CSU Chico</b></u> Health Science –B/M Nutritional and Food Sciences – B/M  <u><b>CSU Sacramento</b></u> Health Science –B/M  <u><b>UC Davis</b></u> Nutrition Science – B/M/D Food Science – B/M/D Clinical Nutrition – B/M/D

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Hospitality, Tourism, & Recreation	Hospitality, Tourism and Recreation  <u>Careers:</u> Hospitality, Tourism and Recreation Leaders Theme Park Staff Concert Promoters Club/Resort/Hotel Managers Cruise Ship Staff Sports Officials Event/Wedding Planner Flight Attendants Travel Agents Interpreter/Translators	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language  Student Leadership	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Student Leadership Business Math (M) Consumers Math (M) Health (M)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u> Foreign Language Physical Education  Student Leadership Human Relations (Marysville) Psychology (M)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u> Foreign Language Physical Education  Student Leadership Leadership and Community Development (ROP – Marysville)	<u>Butte College</u> Tourism and Travel  <u>American River College</u> Hospitality Mgmt – A Recreation – A/C  <u>Sierra College</u> Recreation Mgmt - A  <u>Sacramento City College</u> Recreation – A/C  <u>CSU Chico</u> Recreation Administration -B  <u>CSU Sacramento</u> Recreation Administration - B

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Information Technology	Information Support and Services  <b>Careers:</b> Word Processing Operators Software Engineers Administrative Assistants Business Teachers Technical Writers Database Administrators Information System Analyst Director of Technology	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Foreign Language AVID Keyboarding (M)	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Electronics (River Valley)  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)	<u>Academic Courses</u> Algebra 2 Physics English 11 Social Science  <u>Career Technical Education/Electives</u>  Electronics 2 (River Valley)  Microsoft Office Computer Applications (ROP – Sutter One Stop)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u>  AP Computer Science A (ROP – Lindhurst)	<u>Yuba College</u> Business Computer Applications – A/C Computer Science - A Information Technologies -A Microsoft MCSA - C <u>Butte College</u> Microsoft MCSA - C <u>Consumnes River</u> CIS Software Development - C Computer Information Science – A/C Computer Programming - C <u>Sacramento City College</u> Computer Information Science – A/C Computer Programming – A/C <u>Sierra College</u> Business Computer Applications – A/C <u>American River College</u> Computer Information Science – A/C Computer Programming – A/C <u>CSU Sacramento</u> Computer Science – B/M <u>CSU Chico</u> Computer Science – B/M

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Information Technology	<p>Media Support Services</p> <p><b>Careers:</b>                      Web Page Developers                      Computer Graphic Artists                      Webmasters                      Computer Operators                      Multimedia Producers                      Graphic Designers</p>	<p><b>Academic Courses</b>                      Algebra 1                      Life Science                      English 9                      State Requirements                      Physical Education</p> <p><b>Career Technical Education/Electives</b>                      Foreign Language                      AVID                      Keyboarding (M)</p>	<p><b>Academic Courses</b>                      Geometry                      Biology                      English 10                      Social Science                      Physical Education</p> <p><b>Career Technical Education/Electives</b>                      Foreign Language                        Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)                        3D Art (River Valley)                        Studio Art (Colusa)</p>	<p><b>Academic Courses</b>                      Algebra 2                      Physics                      English 11                      Social Science</p> <p><b>Career Technical Education/Electives</b>                        Microsoft Office                      Computer Applications (ROP – Sutter One Stop)                        Multimedia (M)                        Digital Art Media (Yuba City)</p> <p>Web Page Design (ROP – Lindhurst, Live Oak, Pierce, River Valley, Yuba City)</p>	<p><b>Academic Courses</b>                        English 12                      Social Science</p> <p><b>Career Technical Education/Electives</b>                          3D Animation (ROP – Marysville, Pierce, River Valley, Sutter, Yuba City)                        Graphic Communications (ROP – Colusa, Live Oak, Marysville, Maxwell, Sutter, Williams)                        Yearbook (M)                        Advanced Web Page Design (River Valley)</p>	<p><b>Yuba College</b>                      Multimedia - C</p> <p><b>Butte College</b>                      Multimedia Studies – A/C                      Graphic Design – A/C</p> <p><b>Sierra College</b>                      Graphic Design – A/C                      Multimedia – A/C</p> <p><b>American River College</b>                      Digital Media – A/C                      Graphic Design - A                      3D Animation - C</p> <p><b>Sacramento City College</b>                      Graphic Communication                      Web Page Design – C</p> <p><b>Consumnes River</b>                      Digital Media – A/C                      Web Page Design - C</p>

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Information Technology	<p>Network Communications</p> <p><b>Careers:</b>            Software Installers            Hardware Installers            Computer Security Techs            Telecommunications Techs            Network Engineers            Network System Analysts            Network System Assistants            Network Administrators            Data Communication Techs</p>	<p><b>Academic Courses</b>            Algebra 1            Life Science            English 9            State Requirements            Physical Education</p> <p><b>Career Technical Education/Electives</b>            Foreign Language            AVID            Fine Arts            Keyboarding (M)</p>	<p><b>Academic Courses</b>            Geometry            Biology            English 10            Social Science            Physical Education</p> <p><b>Career Technical Education/Electives</b>            Foreign Language</p> <p>Electronics (River Valley)</p> <p>Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)</p> <p>Microsoft Office            Computer Applications (ROP – Sutter One Stop)</p>	<p><b>Academic Courses</b>            Algebra 2            Physics            English 11            Social Science</p> <p><b>Career Technical Education/Electives</b></p> <p>Electronics 2 (River Valley)</p> <p>AP Computer Science A (ROP – Lindhurst)</p>	<p><b>Academic Courses</b>            English 12            Social Science</p> <p><b>Career Technical Education/Electives</b></p> <p>Computer Repair (ROP - River Valley)</p> <p>A+ Certification (ROP - Lindhurst)</p>	<p><b>Yuba College</b>            CompTia A+ - C            CISCO CCNA - C            Network Technologies - C            Network Security – C            Systems Admin – C            Unix - C</p> <p><b>Butte College</b>            CompTia A+ - C            CISCO CCNA - C            Microsoft MCSA - C</p> <p><b>Consumnes River</b>            Computer Networking – A/C            Computer Information Science – A/C</p> <p><b>Sacramento City College</b>            Computer Networking – A/C            Computer Information Science – A/C</p> <p><b>American River College</b>            Computer Networking – A/C            Computer Information Science – A/C            Fiber optics – C</p>

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Information Technology	Programming and Systems Development  <u>Careers:</u> Programmers Software Technicians Software Architects Hardware Engineers Software Engineers Operating System Designers Software Application Techs	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Foreign Language AVID Fine Arts Keyboarding (M)	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Electronics (River Valley)  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)	<u>Academic Courses</u> Algebra 2 Physics English 11 Social Science  <u>Career Technical Education/Electives</u>  Electronics 2 (River Valley)  Microsoft Office Computer Applications (ROP – Sutter One Stop)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u>  AP Computer Science A (ROP – Lindhurst)  Computer Repair (ROP - River Valley)  A+ Certification (ROP - Lindhurst)	<u>Yuba College</u> CompTia A+ - C Information Technologies -A Microsoft MCSA - C  <u>Butte College</u> CompTia A+ - C Computer Engineer - A Microsoft MCSA - C  <u>Consumnes River</u> Computer Information Science – A/C  <u>Sacramento City College</u> Computer Information Science – A/C  <u>American River College</u> Computer Information Science – A/C  <u>CSU Sacramento</u> Computer Science – B/M  <u>CSU Chico</u> Computer Science – B/M

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Manufacturing & Product Development	<b>Graphic Arts Technology</b>  <b>Careers:</b> Publishers Editors Graphic Artists Graphic Designers Production Managers Industrial Designers Desktop Publishers Network Engineers Commercial Photographers	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> Foreign Language AVID Art 1 (M)	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> Foreign Language Art 2 (M)  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  3D Art (River Valley)  Studio Art (Colusa)  Applied Math (M)	<u>Academic Courses</u> Algebra 2 Physics English 11 Social Science  <u>Career Technical Education/Electives</u>  Multimedia (M)  Digital Art Media (Yuba City)  Yearbook (M)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u>  Computer Repair (ROP - River Valley)  A+ Certification (ROP - Lindhurst)  Graphic Communications (ROP – Live Oak, Marysville, Maxwell, Sutter, Williams)  Industrial Design (ROP – Yuba City)	<b>Yuba College</b> Commercial Art – A/C Multimedia - C  <b>Butte College</b> Multimedia Studies – A/C Photography – A/C Fine Arts – A/C Graphic Design – A/C  <b>Sierra College</b> Art - A Graphic Design – A/C Multimedia – A/C  <b>American River College</b> Art - A Art New Media – A Digital Media – A/C Fine Arts – A Graphic Design - A  <b>Sacramento City College</b> Art - A Art History – A Graphic Communication Web Page Design – C  <b>Consumnes River</b> Art – A Art History - A Art New Media – A Digital Media – A/C Desktop Publishing – C Web Page Design – C

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Manufacturing & Product Development	<p>Integrated graphics Technology</p> <p><b>Careers:</b> Special Effects Animators Multimedia Producers Publication Managers Webmasters Web Designers Special Effects Journeymen</p>	<p><b>Academic Courses</b> Algebra 1 Life Science English 9 State Requirements Physical Education</p> <p><b>Career Technical Education/Electives</b> Foreign Language AVID Art 1 (M)</p>	<p><b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education</p> <p><b>Career Technical Education/Electives</b> Foreign Language Art (2) M Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce) 3D Art (River Valley) Studio Art (Colusa)</p>	<p><b>Academic Courses</b> Algebra 2 English 11 Social Science</p> <p><b>Career Technical Education/Electives</b> Multimedia (M) Digital Art Media (Yuba City) Web Page Design (ROP – Lindhurst, Live Oak, Pierce, River Valley, Yuba City)</p>	<p><b>Academic Courses</b> English 12 Social Science</p> <p><b>Career Technical Education/Electives</b> 3D Animation (ROP – Marysville, Pierce, River Valley, Sutter, Yuba City) Advanced Web Page Design (River Valley) Graphic Communications (ROP – Colusa, Lindhurst, Live Oak, Marysville, Maxwell, Sutter, Williams) Yearbook (M)</p>	<p><b>Yuba College</b> Multimedia - C</p> <p><b>Butte College</b> Multimedia Studies – A/C Graphic Design – A/C</p> <p><b>Sierra College</b> Graphic Design – A/C Multimedia – A/C</p> <p><b>American River College</b> Digital Media – A/C Graphic Design - A 3D Animation - C</p> <p><b>Sacramento City College</b> Graphic Communication Web Page Design – C</p> <p><b>Consumnes River</b> Digital Media – A/C Web Page Design - C</p>

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Manufacturing & Product Development	<p>Machine and Forming Technology</p> <p><b>Careers:</b> Assemblers Tooling Technicians Computer Programmers Industrial Tech Educators Maintenance Mechanics Design Engineers Tooling Engineers Mechanical Engineers Machine Operators</p>	<p><b>Academic Courses</b> Algebra 1 Life Science English 9 State Requirements Physical Education</p> <p><b>Career Technical Education/Electives</b> Drafting 1(M) Fine Art Foreign Language Mech Drawing 1 (M) AVID</p>	<p><b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education</p> <p><b>Career Technical Education/Electives</b> Drafting 2 (M)  Foreign Language Mech Drawing 2 (M)  Metal Shop 1 (M)  Farm Equipment and Metal Fabrication (ROP - Lindhurst, Live Oak, Pierce, Sutter, Wheatland)</p>	<p><b>Academic Courses</b> Algebra 2 Physics English 11 Social Science</p> <p><b>Career Technical Education/Electives</b> Drafting 3 (M)  Mech Drawing 3 (M)  Metal Shop 2 (M)  Welding Technology (ROP – East Nicolaus, Lindhurst, Live Oak, Maxwell, Yuba City) Industrial Design (ROP – Yuba City)</p>	<p><b>Academic Courses</b>  English 12 Social Science</p> <p><b>Career Technical Education/Electives</b> Drafting 4 (M)  Mech Drawing 4 (M)  Architectural Design (ROP - Yuba City)  AP Computer Science A (ROP – Lindhurst)</p>	<p><b>Yuba College</b> Manufacturing Technology –A/C</p> <p><b>American River College</b> Design Technology – A Engineering Technology - A</p> <p><b>Sacramento City College</b> Engineering Technology - A Industrial Technology - A</p> <p><b>CSU Chico</b> Mechanical Engineering -B</p> <p><b>CSU Sacramento</b> Mechanical Engineering -B</p>

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Manufacturing & Product Development	<b>Welding Technology</b>  <u><b>Careers:</b></u> Welders Blacksmiths Metallurgists Quality Control Inspectors Plastics Assemblers Manufacturing Engineers Boilermakers Ironworkers Robotics Technicians Fabrication Designers Composite Fabricators	<u><b>Academic Courses</b></u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u><b>Career Technical Education/Electives</b></u> Drafting 1(M) Fine Art Foreign Language Mech Drawing 1 (M) AVID Metal Shop 1 (M)	<u><b>Academic Courses</b></u> Geometry Biology English 10 Social Science Physical Education  <u><b>Career Technical Education/Electives</b></u> Drafting 2 (M)  Foreign Language Mech Drawing 2 (M)  Metal Shop 2 (M)	<u><b>Academic Courses</b></u> Algebra 2 Physics English 11 Social Science  <u><b>Career Technical Education/Electives</b></u>  Metal Shop 3 (M)  Farm Equipment and Metal Fabrication (ROP - Lindhurst, Live Oak, Pierce, Sutter, Wheatland) Welding Technology (ROP – East Nicolaus, Lindhurst, Live Oak, Maxwell, Yuba City)  Industrial Design (ROP – Yuba City)	<u><b>Academic Courses</b></u>  English 12 Social Science  <u><b>Career Technical Education/Electives</b></u>  Metal Shop 3 (M)  Advanced Farm Equipment and Metal Fabrication (Wheatland)  Advanced Welding Technology (ROP – East Nicolaus, Lindhurst, Wheatland)  Architectural Design (ROP - Yuba City)	<u><b>Yuba College</b></u> Manufacturing Technology –A/C Welding Technologies- A/C Advanced Production Welding – A/C Combination Welding – A/C  <u><b>Clearlake College</b></u> Combination Welding – A/C  <u><b>Butte College</b></u> Welding Technologies- A/C  <u><b>American River College</b></u> Design Technology – A Robotics – A/C Welding – A/C  <u><b>Consumnes River</b></u> Welding - C <u><b>Sierra College</b></u>  Welding Technology – A/C  <u><b>CSU Chico</b></u> Mechanical Engineering –B/M  <u><b>CSU Sacramento</b></u> Mechanical Engineering –B/M

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Marketing, Sales, & Service	<p>Entrepreneurship</p> <p><b>Careers:</b> Business Owners Franchisees Marketing Managers Purchasing Agents Account Executives Event Planners</p>	<p><b>Academic Courses</b> Algebra 1 Life Science English 9 State Requirements Physical Education</p> <p><b>Career Technical Education/Electives</b> FBLA Fine Art Foreign Language Keyboarding (M) AVID</p>	<p><b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education</p> <p><b>Career Technical Education/Electives</b> FBLA Foreign Language Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce) Business Applications (East Nicolaus) Business Math (Lindhurst)</p>	<p><b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science</p> <p><b>Career Technical Education/Electives</b> FBLA Basic Accounting (ROP – Pierce, Williams) Accounting Principles and Practices (ROP – Sutter County One Stop) Microsoft Office Computer Applications (ROP – Sutter One Stop) Office Education Lab (ROP – Colusa Learning Center, Sutter One Stop, Yuba One Stop) Web Page Design (ROP – Lindhurst, Live Oak, Pierce, River Valley, Yuba City)</p>	<p><b>Academic Courses</b> English 12 Social Science</p> <p><b>Career Technical Education/Electives</b> FBLA Applied Marketing (ROP – Yuba County Charter, Colusa Learning Center) Careers in Retail and Finance (ROP – Yuba City) Product Development and Design (ROP – Sutter) Small Business Ownership (ROP – Marysville) Virtual Enterprise (ROP – Lindhurst, River Valley) Advanced Web Page Design (River Valley)</p>	<p><b>Yuba College</b> Business Management - A <b>Woodland College</b> Business Management - A <b>Clearlake College</b> Business Management - A <b>Butte College</b> Small Business Entrepreneurship - A Small Business Institute – A Retail Management- A Marketing / E-Commerce – A <b>American River College</b> Small Business Mgmt – A Marketing – A <b>Consumnes River</b> Small Business Mgmt – A/C Finance – A/C Marketing – A/C <b>Sierra College</b> Small Business Mgmt – A/C Entrepreneurship – A/C Marketing – A/C <b>Sacramento City College</b> Small Business Mgmt – A Marketing – A/C <b>CSU Chico</b> Corporate Finance - B Small Business - B Finance – B/M Financial Management - B Marketing – B/M <b>CSU Sacramento</b> Entrepreneurship - B Finance – B/M Marketing – B/M</p>

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Marketing, Sales, & Service	E-Commerce  <b>Careers:</b> Entrepreneurs Website Developers Business Teachers Copywriters/Designers Software Engineers Interactive Sales Engineers Customer Service Reps	<b>Academic Courses</b> Algebra 1 Life Science English 9 State Requirements Physical Education  <b>Career Technical Education/Electives</b> FBLA Fine Art Foreign Language Keyboarding (M) AVID	<b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education  <b>Career Technical Education/Electives</b> FBLA  Foreign Language  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Business Math (Lindhurst)	<b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science  <b>Career Technical Education/Electives</b> FBLA  Basic Accounting (ROP – Pierce, Williams)  Accounting Principles and Practices (ROP – Sutter County One Stop)  Microsoft Office Computer Applications (ROP – Sutter One Stop)  Office Education Lab (ROP – Colusa Learning Center, Sutter One Stop, Yuba One Stop)  Web Page Design (ROP – Lindhurst, Live Oak, Pierce, River Valley, Yuba City)	<b>Academic Courses</b>  English 12 Social Science  <b>Career Technical Education/Electives</b> FBLA  Applied Marketing (ROP – Yuba County Charter, Colusa Learning Center)  Careers in Retail and Finance (ROP – Yuba City)  Product Development and Design (ROP – Sutter)  Small Business Ownership (ROP – Marysville)  Virtual Enterprise (ROP – Lindhurst, River Valley)  Advanced Web Page Design (River Valley)	<b>Yuba College</b> Business Information Technologies - A <b>Clearlake College</b> Business Information Technologies - A <b>Butte College</b> E-Commerce – A Entrepreneurship - A Small Business Institute – A Computer Information Systems - A <b>American River College</b> Small Business Mgmt – A/C Computer Information Systems - A <b>Consumnes River</b> Small Business Mgmt – A/C E-Business- C Computer Information Systems - A <b>Sierra College</b> Small Business Mgmt – A/C Entrepreneurship – A/C Computer Information Systems - A <b>Sacramento City College</b> Small Business Mgmt – A Customer Service – A/C <b>CSU Chico</b> Small Business - B Business Information Systems - B <b>CSU Sacramento</b> Entrepreneurship - B Business Information Systems - B

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Marketing, Sales, & Service	International Trade  <b>Careers:</b> Sales Representatives Shipping and Receiving Economists Route Sales Marketing Research International Trade	<u><b>Academic Courses</b></u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u><b>Career Technical Education/Electives</b></u> FBLA Fine Art Foreign Language AVID Keyboarding (M)	<u><b>Academic Courses</b></u> Geometry Biology English 10 Social Science Physical Education  <u><b>Career Technical Education/Electives</b></u> FBLA  Foreign Language  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Business Math (Lindhurst)	<u><b>Academic Courses</b></u> Algebra 2 Chemistry English 11 Social Science  <u><b>Career Technical Education/Electives</b></u> FBLA  Basic Accounting (ROP – Pierce, Williams)  Accounting Principles and Practices (ROP – Sutter County One Stop)  Microsoft Office Computer Applications (ROP – Sutter One Stop)  Office Education Lab (ROP – Colusa Learning Center, Sutter One Stop, Yuba One Stop)	<u><b>Academic Courses</b></u>  English 12 Social Science  <u><b>Career Technical Education/Electives</b></u> FBLA  Applied Marketing (ROP – Yuba County Charter, Colusa Learning Center)  Careers in Retail and Finance (ROP – Yuba City)  Product Development and Design (ROP – Sutter)  Small Business Ownership (ROP – Marysville)  Virtual Enterprise (ROP – Lindhurst, River Valley)	<u><b>Butte College</b></u> Marketing – A  <u><b>American River College</b></u> Economics - A International Studies -A Marketing – A  <u><b>Consumnes River</b></u> Economics - A Marketing – A  <u><b>Folsom College</b></u> Economics - A  <u><b>Sierra College</b></u> Economics - A Business Management – A Marketing - A  <u><b>Sacramento City College</b></u> International Studies -A Marketing – A Real Estate – A/C  <u><b>CSU Chico</b></u> Economics – B/M Finance – B/M Financial Management - Financial Services – B International Relations – B/M Marketing – B/M  <u><b>CSU Sacramento</b></u> Finance – B/M International Business B/M Marketing – B/M

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Marketing, Sales, & Service	Professional Sales and Marketing  <u>Careers:</u> Telemarketers Retail/Wholesale Buyers Account Executives Real Estate Securities Broker Insurance Agent/Broker Pharmaceutical Supplies Product Branding Public Relations Advertising	<u>Academic Courses</u> Algebra 1 Life Science English 9 State Requirements Physical Education  <u>Career Technical Education/Electives</u> FBLA Fine Art Foreign Language Keyboarding (M) AVID	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education  <u>Career Technical Education/Electives</u> FBLA  Foreign Language  Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce)  Business Applications (East Nicolaus)  Business Math (Lindhurst)	<u>Academic Courses</u> Algebra 2 Chemistry English 11 Social Science  <u>Career Technical Education/Electives</u> FBLA  Basic Accounting (ROP – Pierce, Williams)  Accounting Principles and Practices (ROP – Sutter County One Stop)  Microsoft Office Computer Applications (ROP – Sutter One Stop)  Office Education Lab (ROP – Colusa Learning Center, Sutter One Stop, Yuba One Stop)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u> FBLA  Applied Marketing (ROP – Yuba County Charter, Colusa Learning Center)  Careers in Retail and Finance (ROP – Yuba City)  Product Development and Design (ROP – Sutter)  Small Business Ownership (ROP – Marysville)  Virtual Enterprise (ROP – Lindhurst, River Valley)	<u>Yuba College</u> Business Management - A <u>Woodland College</u> Business Management - A <u>Clearlake College</u> Business Management - A <u>Butte College</u> Business Management - A Marketing / E-Commerce – A Real Estate – A/C <u>American River College</u> Business Management – A Marketing – A Real Estate – A/C <u>Consumnes River</u> Business Management – A/C Real Estate – A/C Finance – A/C Marketing – A/C <u>Sierra College</u> Bus Management – A/C Marketing – A/C <u>Sacramento City College</u> Business Management – A Marketing – A/C Real Estate – A/C <u>CSU Chico</u> Finance – B/M Financial Management - B Financial Services - B Marketing – B/M <u>CSU Sacramento</u> Marketing – B/M Real Estate – B Risk Management - B Public Relations - B

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**TRI-COUNTY REGIONAL OCCUPATIONAL PROGRAM  
CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Public Services	Human Services  <b>Careers:</b> Child Care Youth Workers Educational Counselors Marriage Counselors Family Counselors Psychiatrists Emergency Services Foster Care Social Workers Mental Health Counselors Psychologists Crisis Intervention Disaster Teams Substance Abuse Counselor Behavior Counselor	<b>Academic Courses</b> Algebra 1 Life Science English 9 State Requirements Physical Education  <b>Career Technical Education/Electives</b> Fine Art Foreign Language AVID Keyboarding (M) Student Leadership	<b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education  <b>Career Technical Education/Electives</b> Foreign Language  Student Leadership  Consumer Math (M)  Health (M)	<b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science  <b>Career Technical Education/Electives</b>  Student Leadership  Child Development and Guidance (River Valley)  Psychology (M)  Nutrition Science (Yuba City)  Leadership and Community Development (ROP – Marysville)	<b>Academic Courses</b>  English 12 Social Science  <b>Career Technical Education/Electives</b>  Student Leadership  Early Childhood Careers (ROP – Marysville, River Valley, Yuba City)  Human Relationships (Marysville)	<b>Yuba College</b> Chemical Dependency Counselor – A Psychology - A Psychiatric Tech – A <b>Woodland College</b> Chemical Dependency Counselor – A <b>Clearlake College</b> Chemical Dependency Counselor – A <b>Butte College</b> Home Health Aide – C Alcohol and Drug Studies –A Addiction Studies – A Psychology - A <b>American River College</b> Human Services – A Psychology - A <b>Consumnes River</b> Family and Consumer - A Human Services – A Psychology - A <b>Sierra College</b> Psychology - A Social and Behavior - A <b>Sacramento City College</b> Community Leadership - A Family and Consumer - A Human Services – A Psychology - A <b>CSU Chico</b> Social Work – B Psychology – B/M <b>CSU Sacramento</b> Family Studies - B Psychology – B/M Social Work – B

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Public Services	<p>Legal and Government Services</p> <p><b>Careers:</b> Judges Border Control Fish and Game Wardens Criminologists Paralegals Court Reporters Elected Officials ATF/CIA/FBI Agents Customs Inspectors Lawyers Legal Clerks Diplomatic Service</p>	<p><b>Academic Courses</b> Algebra 1 Life Science English 9 State Requirements Physical Education</p> <p><b>Career Technical Education/Electives</b> Fine Art Foreign Language AVID Keyboarding (M) Student Leadership</p>	<p><b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education</p> <p><b>Career Technical Education/Electives</b> Foreign Language Student Leadership Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce) Consumer Math (M) Health (M)</p>	<p><b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science</p> <p><b>Career Technical Education/Electives</b> Student Leadership Journalism (M) Psychology (M) Human Relationships (Marysville) Leadership and Community Development (ROP – Marysville) Creative Writing (M)</p>	<p><b>Academic Courses</b> English 12 Social Science</p> <p><b>Career Technical Education/Electives</b> Student Leadership Law Enforcement (ROP – River Valley, Yuba City) Forensic Science (Yuba City)</p>	<p><b>Yuba College</b> Criminal Law - A Admin. of Justice A <b>Butte College</b> Admin. Of Justice/Court Personnel/Pre Law – AS Legal Office Assistant -A Fish and Game Warden Academy <b>Folsom College</b> Admin. of Justice AA <b>American River College</b> Legal Assisting – C Paralegal – A/C <b>Sacramento City College</b> Police Services - AA Correctional Services -AS Admin of Justice –AA <b>UC Davis</b> Forensic Science BS/MS Pre – Law –B Law - JD <b>MTI – Sacramento</b> Paralegal Legal Clerk Court Reporter <b>CSU Chico</b> Forensic Science – B/M Pre-Law – B Paralegal Studies - B <b>CSU Sacramento</b> Forensic Science – B/M Pre-Law - B <b>CSU Fresno</b> Criminology BS/M Pre-Law - B <b>Cal Northern Law</b> Law - JD <b>McGeorge Law</b> Law – JD</p>

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Public Services	Protective Services  <b>Careers:</b> Police Officers Animal Control Correctional Officers Paramedics Ski Patrol Private Investigators Railroad Police Sheriff Deputies Fire Fighters Fire Inspectors Lifeguards Crime Scene Investigation Security Guards	<b>Academic Courses</b> Algebra 1 Life Science English 9 State Requirements Physical Education  <b>Career Technical Education/Electives</b> Fine Art Foreign Language AVID Student Leadership Keyboarding (M)	<b>Academic Courses</b> Geometry Biology English 10 Social Science Physical Education  <b>Career Technical Education/Electives</b> Foreign Language  Student Leadership  Journalism (M)  Consumer Math (M)  Health (M)	<b>Academic Courses</b> Algebra 2 Chemistry English 11 Social Science  <b>Career Technical Education/Electives</b>  Student Leadership  Psychology (M)  Human Relationships (Marysville)  Leadership and Community Development (ROP – Marysville) Creative Writing (M)	<b>Academic Courses</b>  English 12 Social Science  <b>Career Technical Education/Electives</b>  Student Leadership  Law Enforcement (ROP – River Valley, Yuba City)  Forensic Science (Yuba City)	<b>Yuba College</b> Criminal Law - A Admin. of Justice A Basic Officer Academy Adv Officer Training Juv. Counselor Academy Correction Officer Acad. Basic Investigator Acad. Fire Fighter I First Responder EMT 1 <b>Butte College</b> Admin. of Justice AA Law Enforce Academy Fire Academy Fire Science A <b>Folsom College</b> Admin. of Justice AA <b>American River College</b> Law Enforce Academy Fire Academy EMT Paramedic <b>Sacramento City College</b> Police Services - A Correctional Services -A Admin of Justice –A <b>UC Davis</b> Forensic Science B/M/D <b>CSU Chico</b> Forensic Science – B/M <b>CSU Sacramento</b> Forensic Science – B/M <b>CSU Fresno</b> Criminology B/M Forensic Science B/M

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CAREER PATHWAY COURSE MATRIX  
2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Transportation	Aviation and Aerospace Transportation  <b>Careers:</b> Ground Support Crews Freight/Baggage Handlers Ticket Agents Flight Attendants Airframe Technicians Power Plant Technicians Dispatchers Air Traffic Controllers Pilots Aviation Engineers Aircraft Detailers Mechanics Assistant	<u><b>Academic Courses</b></u> Algebra 1 Physical Science (M) English 9 State Requirements (M) Physical Education  <u><b>Career Technical Education/Electives</b></u> AFJROTC (LHS) Fine Art Foreign Language AVID	<u><b>Academic Courses</b></u> Geometry Biology English 10 Social Science  Physical Education  <u><b>Career Technical Education/Electives</b></u> AFJROTC  Foreign Language  Electronics I (River Valley)  Applied Math (M)  Computer Applications (ROP – Colusa, East Nicolaus, Lindhurst, Pierce)  Business Math (Lindhurst)	<u><b>Academic Courses</b></u> Algebra 2 Physics English 11 Social Science  <u><b>Career Technical Education/Electives</b></u> AFJROTC  Foreign Language  Electronics II (River Valley)  AP Computer Science A (ROP – Lindhurst)	<u><b>Academic Courses</b></u>  English 12 Social Science  <u><b>Career Technical Education/Electives</b></u> AFJROTC  Introduction to Aerospace Technology (ROP - Colusa)	<u><b>Sacramento City College</b></u> Flight Technology - A Airframe and Powerplant Technology – A  <u><b>Solano College</b></u> Airframe Maintenance I Airframe Maintenance Technician - A Avionics Technician – A  <u><b>Cypress College</b></u> Flight Attendant  <u><b>CSU Cal Poly</b></u> Aeronautics Engineering – B/M  <u><b>UC Davis</b></u> Aeronautics Engineering B/M/D

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CAREER PATHWAY COURSE MATRIX  
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Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Transportation	Vehicle Maintenance, Service and Repair  <b>Careers:</b> Lube and Line Tech Smog Technician Service Writers Diesel Engine Small Engine Parts and Service Tech Parts Runners After-Market Sales Shop Foremen Motorcycle Mechanic Heavy Equipment Mechanic Farm Equipment Mechanic	<u><b>Academic Courses</b></u> Algebra 1 Physical Science (M) English 9 State Requirements (M) Physical Education  <u><b>Career Technical Education/Electives</b></u> Fine Art Foreign Language AVID Keyboarding (M)	<u><b>Academic Courses</b></u> Geometry Biology English 10 Social Science  Physical Education  <u><b>Career Technical Education/Electives</b></u>  Foreign Language  Auto Mechanics (Yuba City)  Beginning Industrial Farm Power Mechanics (ROP - Colusa)  Small Engine Repair (Yuba City)	<u><b>Academic Courses</b></u> Algebra 2 Physics English 11 Social Science  <u><b>Career Technical Education/Electives</b></u>  Auto Diagnosis and Tune-up (ROP – Yuba City)  Industrial Farm Power Mechanics (ROP – East Nicolaus)  Agriculture Power Technology (Pierce)	<u><b>Academic Courses</b></u>  English 12 Social Science  <u><b>Career Technical Education/Electives</b></u>  Auto Technology (ROP - Lindhurst, Yuba County Charter, Yuba City)  Advanced Industrial Farm Power Mechanics (ROP - Colusa)  Agriculture Power Technology 2 (Pierce)	<u><b>Yuba College</b></u> ASE Preparation Program Master Mechanic - A Heavy Equipment Mechanic - C <u><b>Butte College</b></u> Honda PACT Program General Motors ASE Motorsports Program CORE Mechanics Heavy Equipment Operator - C <u><b>American River College</b></u> Automotive Mechanics Technician – A/C Diesel Technology- A/C <u><b>Consumnes River College</b></u> Ford ASSET Program Automotive Mechanics Technician - A <u><b>Sacramento City College</b></u> Electric Vehicle Technology – A/C Motorcycle Tech – A Recreational Vehicle - C <u><b>Wyotech</b></u> Automotive Diagnostics Service Management Performance Powertrain Motorsports Fabrication Street Rod Fabrication <u><b>UTI</b></u> TAFT (Toyota) PTAP (Porsche) Volkswagen (VATRP) Volvo (SAFE) Nissan (NATT) BMW (STEP) Ford (FACT) NASCAR Tech Cummings Diesel Tech Motorcycle Tech

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2009 - 2010**

Industry Sector	Pathway/Jobs	9 <sup>th</sup> grade courses	10 <sup>th</sup> grade courses	11 <sup>th</sup> grade courses	12 <sup>th</sup> grade courses	Post Secondary
Transportation	Collision, Repair and Refinishing  <b>Careers:</b> Collision Repair Techs Refinish Technicians Glass Installers Parts Specialists Vehicle Painters Auto Detailers Auto Damage Appraisers Claims Adjusters Vehicle Restoration	<u>Academic Courses</u> Algebra 1 Physical Science (M) English 9 State Requirements (M) Physical Education  <u>Career Technical Education/Electives</u> Fine Art Foreign Language AVID Keyboarding (M)	<u>Academic Courses</u> Geometry Biology English 10 Social Science  Physical Education  <u>Career Technical Education/Electives</u> Foreign Language  Auto Mechanics (Yuba City)  Welding Technology (ROP – East Nicolaus, Lindhurst, Live Oak, Maxwell, Yuba City)  Farm Equipment and Metal Fabrication (ROP - Lindhurst, Live Oak, Pierce, Sutter, Wheatland)	<u>Academic Courses</u> Algebra 2 Physics English 11 Social Science  <u>Career Technical Education/Electives</u>  Auto Body Repair (ROP – Yuba City)	<u>Academic Courses</u>  English 12 Social Science  <u>Career Technical Education/Electives</u>  Auto Body Refinishing (ROP – Yuba City)	<u>Yuba College</u> Auto Body and Paint - AS Paint and Refinish - C  <u>Butte College</u> Auto Body Repair - Cert  <u>American River College</u> Auto Collision Technology - AS  <u>Wyotech</u> Collision Technician Damage Appraiser Auto Painter Glass Installer/Repair Upholstery Technician  <u>UTI</u> Collision Repair and Refinishing Manufacturer Specific Training Program (MSAT)

M: Multiple Sites A: Associate B: Bachelor C: Certificate D: Doctorate A/C: Associate or Certificate B/M: Bachelor or Master B/M/D: Bachelor, Master, or Doctorate