

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Agriculture & Natural Resources	<p>Agricultural Business</p> <p>Careers: 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</p>	<p>Academic Courses English 9 State Requirements Algebra 1 Physical Education</p> <p>Career Technical Education/Electives FFA Foreign Language AVID Ag Science 1 (M) Ag Life Science (M) Ag Earth Science (M) Animal Science (M) Ag Physical Science (M)</p>	<p>Academic Courses English 10 Social Science Geometry Physical Education</p> <p>Career Technical Education/Electives 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)</p>	<p>Academic Courses English 11 Social Science Algebra 2 Chemistry</p> <p>Career Technical Education/Electives 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)</p>	<p>Academic Courses English 12 Social Science</p> <p>Career Technical Education/Electives FFA Fine Arts Agriculture Business Management (Pierce) Agriculture Business (Maxwell) Small Business Ownership (ROP - Marysville) Virtual Enterprise (ROP – Lindhurst, River Valley) Landscape/Crop (Pierce)</p>	<p>Yuba College Agriculture - A Ag Business – C Woodland College Agriculture - A Ag Business – C Butte College Agriculture – A Ag Business – A/C Ag Education - A Sierra College Agriculture – A/C Consumnes River Agriculture – A/C Ag Business - C CSU Chico Agriculture – B/M Ag Education – B/M Crops, Horticulture and Land Resource Management - B Environmental Economics - B UC Davis 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</p>

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Agriculture & Natural Resources	<p>Agricultural Mechanics</p> <p>Careers: Equipment Fabricators Irrigation Engineers Welding/Metal Fabrication Irrigation System Designers Land Leveling Equipment Operators Power Systems Mechanics Precision Farming Techs</p>	<p>Academic Courses Algebra 1 Physical Science (M) English 9 State Requirements Physical Education</p> <p>Career Technical Education/Electives FFA Foreign Language Ag Science 1 (M) Ag Life Science (M) Ag Earth Science (M)</p>	<p>Academic Courses Geometry English 10 Social Science Physical Education</p> <p>Career Technical Education/Electives 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>Academic Courses Algebra 2 Physics English 11 Social Science</p> <p>Career Technical Education/Electives FFA 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>Academic Courses English 12 Social Science</p> <p>Career Technical Education/Electives FFA Fine Arts 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) Advanced Welding and Manufacturing (ROP – East Nicolaus, Lindhurst, Wheatland) Ag Power Tech Advanced (Pierce)</p>	<p>Yuba College Agriculture – A/C Heavy Equipment Mechanic – C Welding Technology – A/C Ag Landscape and Design – C Ag Landscape Installation and Maintenance - C Butte College Agriculture – A/C Ag Education - A Ag Mechanic – A/C Heavy Equipment Mechanic/Op – C Mechanized Ag – A/C Welding Technology – A/C Consumnes River Agriculture – A/C Sierra College Agriculture – A/C CSU Chico Agriculture – B/M Agriculture Education – B/M Crops, Horticulture, and Land Resource Management – B UC Davis Agricultural and Environmental Education – B/M Landscape Architecture – B/M</p>

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Agriculture & Natural Resources	Agriscience Careers: Enology Plant Propagation Agriculture Pest Management Food Processing Biotechnology Ag Chemicals Plant/Animal Genetics Hydraulic Engineers Production Management	Academic Courses Algebra 1 English 9 State Requirements Physical Education Career Technical Education/Electives FFA Foreign Language Ag Science 1 (M) Ag Life Science (M) Ag Earth Science (M) AVID	Academic Courses Geometry English 10 Social Science Physical Education Career Technical Education/Electives 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)	Academic Courses Algebra 2 Chemistry English 11 Social Science Career Technical Education/Electives FFA Landscape and Ornamental Horticulture (ROP – Lindhurst, Marysville) Vocational Ag Science 2 (ROP – Colusa, Williams) Plant Science (Williams) Animal Science (M)	Academic Courses English 12 Social Science Career Technical Education/Electives 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)	Yuba College Agriculture - A Woodland College Agriculture - A Butte College Agriculture – A Agriscience – A Natural Resources - A Sierra College Agriculture - A Agriscience – A Consumnes River Agriculture – A CSU Chico Agriscience – B/M Animal Science – B/M Environmental Chemistry – B Hydrologic Science – B/M UC Davis 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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Agriculture & Natural Resources	Animal Science Careers: 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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Agriculture & Natural Resources	Ornamental Horticulture <u>Careers:</u> 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	<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) Plant Science (Williams)	<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)	<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)	<u>Woodland College</u> Environmental Horticulture – A/C Landscape Maint/Design - C <u>Butte College</u> Landscape/Turfgrass Tech - C Environmental Horticulture – A Nursery/Florist - C <u>Sierra College</u> Agriculture - A Agriscience – A <u>American River</u> Nursery - A Landscaping - A <u>CSU Chico</u> Crops, Horticulture and Land Resource Management – B/M <u>UC Davis</u> 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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Agriculture & Natural Resources	<p>Plant and Soil Science</p> <p>Careers: 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>Academic Courses Algebra 1</p> <p>English 9 State Requirements Physical Education</p> <p>Career Technical Education/Electives FFA Foreign Language Ag Science 1 (M) Ag Life Science (M) Ag Earth Science (M) Animal Science (M) AVID</p>	<p>Academic Courses Geometry</p> <p>English 10 Social Science Physical Education</p> <p>Career Technical Education/Electives 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>Academic Courses Algebra 2 Chemistry English 11 Social Science</p> <p>Career Technical Education/Electives 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>Academic Courses English 12 Social Science</p> <p>Career Technical Education/Electives 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>Woodland College Environmental Horticulture – A/C Landscape Maint/Design - C Butte College Landscape/Turfgrass Tech - C Environmental Horticulture – A/C Nursery/Florist - C Sierra College Agriculture - A Agriscience – A Forestry – A American River Nursery - A Landscaping – A Sacramento City Waste Water Treatment -A CSU Chico Crops, Horticulture and Land Resource Management – B/M Pre – Forestry – B UC. Davis 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>

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Arts, Media & Entertainment	<p>Media and Design Arts</p> <p>Careers: 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>Academic Courses Algebra I Physical Science English 9 State Requirements Physical Education</p> <p>Career Technical Education/Electives Art I (M) Ceramics 1 (M) Foreign Language Art Appreciation (M) Art History (M) Drama 1 (M)</p>	<p>Academic Courses Geometry Biology English 10 Social Science Physical Education</p> <p>Career Technical Education/Electives 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>Academic Courses Algebra 2 Physics English 11 Social Science</p> <p>Career Technical Education/Electives 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>Academic Courses English 12 Social Science</p> <p>Career Technical Education/Electives 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>Yuba College Photography – A/C Commercial Art – A/C Multimedia - C</p> <p>Butte College Ceramics Multimedia Studies – A/C Photography – A/C Radio/TV Film – A/C Fine Arts – A/C Graphic Design – A/C</p> <p>Sierra College Art - A Graphic Design – A/C Multimedia – A/C Photography – A/C</p> <p>American River College Art - A Art New Media – A Digital Media – A/C Fine Arts – A Graphic Design - A 3D Animation - C</p> <p>Sacramento City College Art - A Art History – A Photography – A/C Graphic Communications</p> <p>Consumnes River 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>

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Arts, Media & Entertainment	Performing Arts <u>Careers:</u> Actors Radio/Television Broadcasters Dancers Fashion Models Announcers Music Directors/Conductors Voice-Over Artists Entertainers Film Composers Musicians Stunt Doubles Choreographers	<u>Academic Courses</u> Algebra 1 Physical Science English 9 State Requirements Physical Education <u>Career Technical Education/Electives</u> Foreign Language Choir 1 (M) Band 1 (M) Music 1 (M) Drama 1 (M) Music Appreciation & Theory (M) Art Appreciation (M) P.E. Dance (M)	<u>Academic Courses</u> Geometry Biology English 10 Social Science Physical Education <u>Career Technical Education/Electives</u> Foreign Language Choir 2 (M) Band 2 (M) Music 2 (M) Drama 2 (M) Creative Writing (M) 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> Choir 3 (M) Band 3 (M) Music 3 (M) Drama 3 (M) String Orchestra (RV) Multimedia (M) Journalism (M) Film at Literature (Yuba City)	<u>Academic Courses</u> English 12 Social Science <u>Career Technical Education/Electives</u> Choir 4 (M) Band 4 (M) Music 4 (M) Drama 4 (M) String Orchestra (RV) Radio/TV (ROP - Lindhurst) Drama 4 (M)	<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 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 <u>Consumnes River</u> 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 <u>Sierra College</u> Costuming – C Stagecraft – C Music – A Communications – A <u>CSU Chico</u> Music Performance – B Music Education –B <u>CSU Sacramento</u> Film/Media Studies – B Music Production – B

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Arts, Media & Entertainment	Production/Managerial Arts <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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Building Trades and Construction	Residential and Commercial Construction Careers: 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	Academic Courses Algebra 1 Physical Science English 9 State Requirements Physical Education Career Technical Education/Electives Wood 1(M) Foreign Language Fine Art Ag Woodworking (Live Oak)	Academic Courses Geometry Biology English 10 Social Science Physical Education Career Technical Education/Electives Wood 2 Foreign Language Drafting 1 (M) Commercial and Residential Community Development (ROP – Yuba County Charter) Construction Arts (ROP – Wheatland, Williams) Applied Math (M)	Academic Courses Algebra 2 Physics English 11 Social Science Career Technical Education/Electives Wood 3 (M) Agriculture Const and Maintenance (ROP – Live Oak, Wheatland) Industrial Design (ROP- Yuba City)	Academic Courses Trigonometry English 12 Social Science Career Technical Education/Electives 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)	Butte College Building Inspector Technology – A/C Consumnes River Building Inspector Technology – A/C Construction – A/C Construction Management Technology – A/C Sierra College Residential Building Construction – A/C CSU Sacramento Construction Management – B/M CSU Chico Construction Management – B/M ITT Tech Sacramento Construction Management – B Construction Tech – A/B Wyo Tech Sacramento Plumbing

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

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

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

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

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

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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Education, Child Development & Family Services	<p>Consumer Services</p> <p>Careers: Credit Counselors Financial Planners Product Demonstrators Public Relations Reps Customers Service Reps Consumer Affairs Director Property Management Research and Design Product Development</p>	<p>Academic Courses Algebra 1 Life Science (M) English 9 State Requirements Physical Education</p> <p>Career Technical Education/Electives Fine Art Foreign Language Home Economics 1 (M) Life Skills (M) AVID</p>	<p>Academic Courses Geometry Biology English 10 Social Science Physical Education</p> <p>Career Technical Education/Electives 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>Academic Courses Algebra 2 Chemistry English 11 Social Science</p> <p>Career Technical Education/Electives 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>Academic Courses English 12 Social Science</p> <p>Career Technical Education/Electives 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>Yuba College Business - A/C Woodland College Business – A/C Clearlake College Business – A/C Butte College Business – A/C Real Estate – A/C American River College Business – A/C Real Estate – A/C Consumnes River Business – A/C Real Estate – A/C Finance – A/C Family and Consumer - A Sacramento City College Business – A/C Real Estate – A/C Family and Consumer - A Customer Service – A/C Sierra College Business – A/C Real Estate – A/C CSU Sacramento Finance – B/M Real Estate – B Risk Management - B Public Relations - B Consumer Studies - B CSU Chico Finance – B/M Financial Mgt - B Financial Services - B</p>

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

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

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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Energy & Utilities	Electromechanical Installation and Maintenance Careers: 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 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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Energy & Utilities	Public Utilities Careers: 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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Engineering & Design	Architectural and Structural Engineering Careers: 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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Engineering & Design	Computer Hardware, Electrical and Network Engineering Careers: 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

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

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

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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th 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

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

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

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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Finance & Business	Accounting Services	<u>Academic Courses</u> Algebra 1 Life 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 Chemistry English 11 Social Science	<u>Academic Courses</u> English 12 Social Science	<u>Yuba College</u> Accounting – A Income Tax Prep - A <u>Woodland College</u> Accounting – A Income Tax Prep - A <u>Clearlake College</u> Accounting – A Income Tax Prep - A <u>Butte College</u> <u>American River College</u> Accounting – A <u>Consumnes River</u> Accounting – A Finance – A/C <u>Sierra College</u> Accounting – A <u>Sacramento City College</u> Accounting – A <u>CSU Chico</u> Accounting – B/M Accounting Information Systems - B/M Corporate Finance - B Finance – B/M Financial Management - B <u>CSU Sacramento</u> Accounting – B/M Accounting Information Systems - B/M Finance – B/M
	<u>Careers:</u> 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	<u>Career Technical Education/Electives</u> FBLA Fine Art Foreign Language AVID Keyboarding (M)	<u>Career Technical Education/Electives</u> FBLA Foreign Language Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce) Business Applications (East Nicolaus) Business Math (Lindhurst)	<u>Career Technical Education/Electives</u> 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)	<u>Career Technical Education/Electives</u> FBLA Basic Accounting (ROP – Pierce, Williams) Accounting Principles and Practices (ROP – Sutter County One Stop)	

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th 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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Health Science & Medical Technology	Biotechnology Research <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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Health Science & Medical Technology	Diagnostic Services <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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Health Science & Medical Technology	Health Informatics <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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Health Science & Medical Technology	Support Services <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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Health Science & Medical Technology	Therapeutic Services Careers: 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>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> 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>Tri-County ROP</u> Licensed Vocational Nurse <u>Yuba College</u> EMT Registered Nurse Licensed Vocational Nurse - A Radiology Tech - A <u>Woodland College</u> Registered Nurse Licensed Vocational Nurse <u>Butte College</u> Registered Nurse - A Respiratory Care - A Exercise Physiology - A Licensed Vocational Nurse - A Certified Nurses Assistant <u>American River College</u> Respiratory Care - A Licensed Vocational Nurse - A Certified Nurses Assistant Registered Nurse - A <u>Sierra College</u> Licensed Vocational Nurse - A Certified Nurses Assistant Registered Nurse - A <u>Sacramento City College</u> Licensed Vocational Nurse - A Physical Therapy Assistant - A Dental Hygienist - A <u>CSU Chico</u> Exercise Physiology - B Pre-Physical Therapy - B Nursing - B

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Hospitality, Tourism, & Recreation	Food Service Hospitality <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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Hospitality, Tourism, & Recreation	Food Science, Dietetics, and Nutrition Careers: Dietary Aides Personal Chefs Food Product Testers/Tasters Registered Dietitians Dietary Chefs Food Scientists Dietetic Technicians Food Product Developers	<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>American River College</u> Nutrition and Foods – A/C Health Education - A Dietary Service – A/C <u>Consumnes River</u> Nutrition and Foods – A/C Health Education - A Dietetic Tech - C <u>Folsom College</u> Nutrition and Foods – A/C Health Education - A <u>Sac City College</u> Nutrition and Foods – A/C Health Education - A <u>CSU Chico</u> Health Science –B/M Nutritional and Food Sciences – B/M <u>CSU Sacramento</u> Health Science –B/M <u>UC Davis</u> Nutrition Science – B/M/D Food Science – B/M/D Clinical Nutrition – B/M/D

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th 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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Information Technology	Information Support and Services <u>Careers:</u> 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

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

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

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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th 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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Manufacturing & Product Development	Graphic Arts Technology Careers: 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)	Yuba College Commercial Art – A/C Multimedia - C Butte College Multimedia Studies – A/C Photography – A/C Fine Arts – A/C Graphic Design – A/C Sierra College Art - A Graphic Design – A/C Multimedia – A/C American River College Art - A Art New Media – A Digital Media – A/C Fine Arts – A Graphic Design - A Sacramento City College Art - A Art History – A Graphic Communication Web Page Design – C Consumnes River Art – A Art History - A Art New Media – A Digital Media – A/C Desktop Publishing – C Web Page Design – C

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

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

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

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

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

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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Marketing, Sales, & Service	<p>Entrepreneurship</p> <p>Careers: Business Owners Franchisees Marketing Managers Purchasing Agents Account Executives Event Planners</p>	<p>Academic Courses Algebra 1 Life Science English 9 State Requirements Physical Education</p> <p>Career Technical Education/Electives FBLA Fine Art Foreign Language Keyboarding (M) AVID</p>	<p>Academic Courses Geometry Biology English 10 Social Science Physical Education</p> <p>Career Technical Education/Electives FBLA Foreign Language Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce) Business Applications (East Nicolaus) Business Math (Lindhurst)</p>	<p>Academic Courses Algebra 2 Chemistry English 11 Social Science</p> <p>Career Technical Education/Electives 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>Academic Courses English 12 Social Science</p> <p>Career Technical Education/Electives 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>Yuba College Business Management - A Woodland College Business Management - A Clearlake College Business Management - A Butte College Small Business Entrepreneurship - A Small Business Institute – A Retail Management- A Marketing / E-Commerce – A American River College Small Business Mgmt – A Marketing – A Consumnes River Small Business Mgmt – A/C Finance – A/C Marketing – A/C Sierra College Small Business Mgmt – A/C Entrepreneurship – A/C Marketing – A/C Sacramento City College Small Business Mgmt – A Marketing – A/C CSU Chico Corporate Finance - B Small Business - B Finance – B/M Financial Management - B Marketing – B/M CSU Sacramento Entrepreneurship - B Finance – B/M Marketing – B/M</p>

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Marketing, Sales, & Service	E-Commerce Careers: Entrepreneurs Website Developers Business Teachers Copywriters/Designers Software Engineers Interactive Sales Engineers Customer Service Reps	Academic Courses Algebra 1 Life Science English 9 State Requirements Physical Education Career Technical Education/Electives FBLA Fine Art Foreign Language Keyboarding (M) AVID	Academic Courses Geometry Biology English 10 Social Science Physical Education Career Technical Education/Electives FBLA Foreign Language Computer Applications (ROP – East Nicolaus, Lindhurst, Pierce) Business Applications (East Nicolaus) Business Math (Lindhurst)	Academic Courses Algebra 2 Chemistry English 11 Social Science Career Technical Education/Electives 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)	Academic Courses English 12 Social Science Career Technical Education/Electives 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)	Yuba College Business Information Technologies - A Clearlake College Business Information Technologies - A Butte College E-Commerce – A Entrepreneurship - A Small Business Institute – A Computer Information Systems - A American River College Small Business Mgmt – A/C Computer Information Systems - A Consumnes River Small Business Mgmt – A/C E-Business- C Computer Information Systems - A Sierra College Small Business Mgmt – A/C Entrepreneurship – A/C Computer Information Systems - A Sacramento City College Small Business Mgmt – A Customer Service – A/C CSU Chico Small Business - B Business Information Systems - B CSU Sacramento Entrepreneurship - B Business Information Systems - B

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Marketing, Sales, & Service	International Trade Careers: Sales Representatives Shipping and Receiving Economists Route Sales Marketing Research International Trade	<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 AVID Keyboarding (M)	<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>Butte College</u> Marketing – A <u>American River College</u> Economics - A International Studies -A Marketing – A <u>Consumnes River</u> Economics - A Marketing – A <u>Folsom College</u> Economics - A <u>Sierra College</u> Economics - A Business Management – A Marketing - A <u>Sacramento City College</u> International Studies -A Marketing – A Real Estate – A/C <u>CSU Chico</u> Economics – B/M Finance – B/M Financial Management - Financial Services – B International Relations – B/M Marketing – B/M <u>CSU Sacramento</u> Finance – B/M International Business B/M Marketing – B/M

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th 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

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

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

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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Public Services	Protective Services Careers: 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	Academic Courses Algebra 1 Life Science English 9 State Requirements Physical Education Career Technical Education/Electives Fine Art Foreign Language AVID Student Leadership Keyboarding (M)	Academic Courses Geometry Biology English 10 Social Science Physical Education Career Technical Education/Electives Foreign Language Student Leadership Journalism (M) Consumer Math (M) Health (M)	Academic Courses Algebra 2 Chemistry English 11 Social Science Career Technical Education/Electives Student Leadership Psychology (M) Human Relationships (Marysville) Leadership and Community Development (ROP – Marysville) Creative Writing (M)	Academic Courses English 12 Social Science Career Technical Education/Electives Student Leadership Law Enforcement (ROP – River Valley, Yuba City) Forensic Science (Yuba City)	Yuba College 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 Butte College Admin. of Justice AA Law Enforce Academy Fire Academy Fire Science A Folsom College Admin. of Justice AA American River College Law Enforce Academy Fire Academy EMT Paramedic Sacramento City College Police Services - A Correctional Services -A Admin of Justice –A UC Davis Forensic Science B/M/D CSU Chico Forensic Science – B/M CSU Sacramento Forensic Science – B/M CSU Fresno Criminology B/M Forensic Science B/M

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

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

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

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

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

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

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

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

Industry Sector	Pathway/Jobs	9 th grade courses	10 th grade courses	11 th grade courses	12 th grade courses	Post Secondary
Transportation	Collision, Repair and Refinishing Careers: 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