

2008-2012 Local Plan

for

Career Technical Education

**In fulfillment of State Plan requirements and the
requirements of the
Carl D. Perkins Career and Technical Education
Improvement Act of 2006
P.L. 109-270**

Mission Valley ROP

Agency Name

Person at, or representing, the eligible recipient responsible for answering questions on this plan:

Signature: _____

Name: Shelley Adams

Title: Director of Educational Services

Telephone: 510-657-6124

E-mail: sadams@mvrop.org

Date: April 13, 2009

CONTENTS

Introduction	3
Chapter 1: Career Technical Education in the Local Education Agency	4
Chapter 2: Building High Quality Career Technical Education Programs	7
Chapter 3: Responses to Satisfy the Requirements of Perkins IV and the State Plan	11
Section 1: Alignment of Career Technical Education Program	11
Section 2: Support and Services for Special Populations.....	18
Section 3: Guidance and Counseling.....	20
Section 4: Comprehensive Professional Development Provided to Teachers, Counselors and Administrators.....	21
Section 5: Accountability and Evaluation of Career Technical Education (CTE) Programs..	25
Section 6: Use of Funds.....	27
Identification of the CTE Sequence of Courses	Appendix A
Articulation Agreements	Appendix B
CTE Advisory Committee Roster	Appendix C

Introduction

1. Provide a clear and specific introductory statement of the plan, what it is about, and the importance of this plan for your agency.

Response:

Mission Valley ROP serves high school and adult students by providing quality and cost-effective career preparation. Mission Valley ROP offers state of the art classroom instruction, internship experiences, and leadership development resulting in employment, career advancement, and preparation for post-secondary training.

Input was provided at meetings with staff, community colleges, clusters (teachers by industry sector), local district staff, business/industry advisory committees, instructional administration, principals, One Stop Career Center partnerships, adult schools, and at an Annual Educators' Brunch. These stakeholders were involved in a needs analysis leading to development of the plan.

The draft of the plan was developed by the instructional team based on adult program offerings, labor market surveys, student interest in programs, and individual program needs for instructional materials, equipment, and support services. This draft was shared with community stakeholders including the Governing Board for review and approval.

Chapter One

Career Technical Education in the Local Education Agency

1. Describe the current status of the career technical education (CTE) delivery system, in the local and regional area.

Response:

Mission Valley ROP (MVROP) has planned for and offers CTE courses in many of the 15 industry sectors as identified by the California Department of Education (CDE). MVROP serves over 5,000 adult and high school students annually in the cities of Fremont, Newark, and Union City. Approximately 62% of the students served are in high school. Programs are offered in 10 high schools and at the ROP Center. The population is diverse with large populations of Asians and Hispanics.

Certificated staff includes 4 administrators, 40 part-time and full-time teaching staff, and an additional 19 district teachers who teach one or more ROP classes.

The ROP Center includes a new 45,000 square foot facility focusing on Medical, Business and Finance, Information and Communication Technology, and Arts, Media, and Entertainment. Additionally, adjacent buildings serve the remaining industry sectors.

Support services are provided by 3 classified management positions, and 13 classified staff. Additionally, the ROP supports Career and College Specialists in 8 high schools.

Whenever possible programs offer industry certifications and/or prepare students to complete examinations necessary to qualify for employment, articulation for college credit, courses that meet UC A-G requirements, and opportunities for internships.

Mission Valley ROP provides a leadership role in improving and enhancing career technical education programs in local high schools and the community. Examples of this leadership include partnership in the development of:

- New Haven Unified School District's 5.3 million dollar Culinary Arts Academy
- New Haven Unified School District's 30 million dollar Performing Arts Center offering opportunities for students to pursue Arts, Media, and Entertainment career pathways
- Building career pathways in 9 industry sectors at Logan High School in the New Haven Unified School District
- Fremont Unified School District's Sports, Health, and Physical Education (SHAPE) Program at Irvington High School, providing a small learning community experience for students interested in medical and related careers
- Irvington High School's Information and Communication Technology (ICT) small learning community

- Irvington High School's New Media Arts Academy (NMAA) created with a California Partnership Academy grant
- Kennedy High School's Green Ventures Academy program also created with a California Partnership Academy grant
- Building career pathways in 2 industry sectors with Newark Unified School District
- Building career pathways in various industry sectors at all Fremont Unified School District secondary campuses.
- New, expanded, and enhanced CTE enrollment at American, Bridgepoint, Conley-Caraballo, Irvington, Kennedy, Logan, Mission, Newark, Robertson, and Washington High Schools
- New programs at the ROP Center including, Alternative Energy and Green Technologies, Digital Sound Design, EKG Technician, Emergency Medical Technician, Engineering Technology, Fire Science, Forensic Science, HVAC, Pharmacy Clerk , and Pharmacy Technician

Mission Valley ROP is a partner in developing linkages that integrate academic and CTE Programs. SHAPE, ICT, and NMAA are examples of such programs.

Students receive program planning and guidance through the Student Services Center, as well as from college and career specialists in high school career centers and high school counselors. Career center services are jointly funded through the districts and ROP.

Career guidance activities are ongoing and include the dissemination of career opportunity and career path information to students, parents, and counselors. CTE instruction includes career planning, employability skills, and articulation options, and provides students with information relevant to their career path goals. Career guidance activities provide students, parents, and counselors with information on nontraditional careers in program area.

Planned program promotion and recruitment activities are conducted to encourage the enrollment of all students, including students who are members of special populations. Activities are conducted to improve the articulation of the program with instruction provided by feeder schools, and advanced education and training opportunities. Promotion emphasis is on using the Internet to provide information, advertise, and enroll students.

The following methods are utilized to provide opportunities for students to participate in CTE programs, activities and experiences:

- Each year a catalog is developed detailing each CTE program and courses available. Courses are advertised in the ROP catalog distributed to all households in the Tri-cities Area (Fremont, Newark, and Union City). These catalogs are distributed to all adult and high school students via career fairs, open houses, in CTE classes, Governing Board meetings, and in meetings with guidance counselors as well as Career and College Tech Specialists.

- In our efforts to “go green” and capture students’ interest the catalog has been replaced with site specific posters listing the various CTE offerings and an improved website
- A master schedule of classes is provided to students at registration time including CTE course offerings of the ROP.
- The schools’ and ROP’s vastly updated websites are used to promote CTE classes. Online enrollment is available for adult students. High school students register through their counselors, and Career and College Tech Specialists.
- Course fliers are available for each program area.
- The ROP and district promote the program through press releases and other publicity including media targeting special populations.
- Posters about CTE programs are displayed throughout campuses.
- CTE programs are promoted through civic organization presentations (ie., career fairs, Open House, school board meetings, etc)
- An electronic marquis at the ROP Center is utilized to advertise course offerings

For the first time, MVROP and Ohlone College will be developing a common CTE Plan for the region. The plan will include the development of unduplicated course sequences for each industry sector and will include articulation with community colleges in the San Francisco Bay Area.

2. Provide information regarding the participation of students in CTE programs as compared to total district enrollment. Information should include enrollment, demographics, and achievement data.

Response:

In a recent survey of 2007 high school graduates, 32% of seniors were enrolled in ROP during the 2006-2007 school year. The following is a breakdown of their intentions:

- 36% of the students had plans of going straight to a 4 yr.
- 52% of the students had plans of going straight to a 2 yr.
- 4% of the students had plans of attending a trade school
- 1% of the students had plans of joining the military
- 4% of the students were planning on going to work or returning to Logan (CLS)
- 3% provided no info

Gender Breakdown:

Males total 138 students
 47 or 34% went to a 4 yr. university
 university/college
 73 or 53% went to a 2 yr. college
 4 or 3% went to a trade school
 2 or 1% went into the military
 8 or 6% went straight to work
 1 or 1% CLS student–returning to Logan
 3 or 2% provided no info

Females total 159 students
 58 or 36% went to a 4 yr.
 81 or 51% went to a 2 yr. college
 8 or 5% went to a trade school
 1 or 1% went into the military
 1 or 1% went straight to work
 3 or 2% CLS students–returning to Logan
 7 or 4% provided no info

Chapter Two

Building High-Quality Career Technical Education Programs

1. **Provide your agency's vision and mission for the delivery of career technical education (CTE) in the future.**

Response:

Mission Valley ROP serves high school and adult students by providing quality and cost-effective career preparation. Mission Valley ROP offers state of the art classroom instruction, internship experiences, and leadership development resulting in employment, career advancement, and preparation for post-secondary training.

2. **List the goals and expected outcomes for CTE as defined by all stakeholders.**

Response:

Mission Valley ROP CTE courses will provide instruction leading to employment, career advancement, and preparation for post-secondary training by:

- Reinforcing academic content standards and applying academic standards to real world problems
- Offering rigorous curriculum
- Articulating classes for college credit whenever possible
- Meeting UC a-g credit whenever possible
- Aligning courses with CDE model curriculum standards/framework
- Preparing students for industry and professional certifications whenever possible
- Offering internship opportunities
- Offering leadership training

3. **Provide information regarding the participation of students, parents, business/industry representatives, and community leaders in the development of this plan.**

Response:

Advisory committees meet at least once a year and include a representative number of industry experts, students, parents, k-12 educators, post-secondary educators and other stakeholders.

ROP courses are developed:

- Based on labor market needs
- Industry/community input concerning curriculum, equipment, and facilities

- Student interest
- Expected salaries of workers
- Availability of resources to start and sustain a program
- Availability of qualified instructors

See Appendix C-CTE Advisory Committee Roster

- 4. Provide a list of the CTE industry sector(s) and career pathway(s) to be assisted with the Perkins IV funds and designed to be consistent with the overall CTE vision and meet or exceed the state adjusted levels of performance. (This response could be a table.)**

Response:

See Appendix A-Courses Sequenced by Industry Sector

- Accounting Services
- Animal Science
- Architectural and Structural Engineering
- Biotechnology Research and Development
- Child Development
- Collision Repair and Refinishing
- Diagnostic Services
- Engineering Design
- Fashion Design, Manufacturing, and Merchandising
- Health Informatics
- Information Support and Services
- Interior Design, Furnishings and Maintenance
- Media and Design Arts
- Residential and Commercial Construction
- Residential and Commercial Energy and Utilities
- Support Services
- Therapeutic Services
- Vehicle Maintenance, Service and Repair
- Welding Technology

- 5. Describe the process and rationale for determining the CTE program(s) to be assisted with Perkins IV funds.**

Response:

Perkins 132 funds are focused on adult programs. Adult programs are selected by analyzing:

- Local and regional labor market surveys

- Student interests
- Employer input at industry sector advisory committee meetings
- Entry-level and other salaries
- Business and industry partnerships
- Emerging technology trends
- Partnerships with post-secondary institutions
- Articulation opportunities with post-secondary

Utilizing an analysis of these factors, the MVROP Instruction Team is currently focusing on high wage, skill, and demand jobs. These areas include:

Automotive Technology
 Auto Body
 Biotechnology
 Business Administration
 Computer Assisting Drafting
 Computer Graphic Design
 Construction Technology
 EKG Technician
 Fashion Design
 Finance and Accounting
 Forensic Science
 HVAC
 Interior Design
 Medical Assisting
 Medical Coding and Billing
 CNA, HHA, and Acute Care
 Pharmacy Technician
 Welding

6. Describe how labor market information is used to determine the CTE programs offered by the Local Educational Agency. (State Plan)

Response:

Labor market information is carefully reviewed and analyzed in order to determine the CTE programs offered by the LEA. Mission Valley ROP staff regularly shares with District administration and the CTE Advisory Committee relevant labor market information. This information is used to determine which classes are offered by both the LEA and MVROP. New course proposals are only accepted when labor market information demonstrates a need in this industry sector.

For the first time, Fremont Unified School District, Mission Valley ROP, Newark Unified School District, New Haven Unified School District, and Ohlone College are in the process of developing and implementing a common CTE Plan. This plan identifies career pathways supported by both MVROP and Ohlone College. Labor

market information is analyzed by the LEA, MVROP and the community colleges. In industry sectors where Ohlone College doesn't offer coursework, career pathways and articulation agreements are being coordinated with other community colleges in the San Francisco Bay Area, such as, Chabot College, Foothill College, Los Positas Community, and Mission College. We anticipate future articulation agreements with private post-secondary institutions to include: The Art Institute of California and Expressions College.

Chapter Three

Responses to Satisfy the Requirements of Perkins IV and the State Plan

Section 1: Alignment of the Career Technical Education program

1. All interested individuals are informed about the State Plan and Perkins IV requirements.

A. Describe how parents, students, academic, and CTE teachers, faculty, administrators, career guidance and academic counselors, representatives of business and industry, labor organizations, representatives of special populations, and other interested individuals are involved and participate in the ongoing development, implementation, and evaluation of local CTE programs. (Perkins IV Section 134[b][5], State Plan)

Response:

Parents, students, academic and career technical education teachers, faculty, administrators, career guidance and academic counselors, representatives of business and industry, labor organizations, representatives of special populations, and other interested individuals participate in the ongoing development, implementation and evaluation of local career technical education programs by:

- Serving on program advisory committees
- Serving on district-wide CTE advisory committees
- Attendance of an annual Educators' Brunch
- Attending local governing board or council meetings

B. Describe how such individuals and entities are effectively informed about, and assisted in understanding the requirements of the State Plan and the Perkins Act, including the requirement for CTE programs of study. (Perkins IV Section 134[b][5], State Plan)

Response:

The individuals listed above are informed about, and assisted in understanding, the requirements of the State Plan and the Perkins IV (including offering a minimum of one program of study consisting of at least 300 hours of instruction) by sharing a copy of and discussing the documents during CTE focus groups and advisory committee meetings.

2. Describe how the appropriate courses of not less than one CTE program of study will be offered. A program of study as described in Perkins IV Section 122(1)(A) and the

State Plan;

- **Incorporates secondary education and postsecondary education elements**
- **Includes coherent and rigorous content aligned with challenging academic standards and relevant CTE content aligned with the California CTE Standards and Framework in a coordinated, non-duplicative progression of courses that align secondary education with postsecondary education to adequately prepare students to succeed in postsecondary education**
- **May include the opportunity for secondary education students to participate in dual or concurrent enrollment programs or other ways to acquire postsecondary education credits and**
- **Leads to an industry-recognized credential or certificate at the postsecondary level or an associate or baccalaureate degree (California *Education Code [EC] 51224, Perkins IV Section 135[b][2]*)**

NOTE: A Program of Study Worksheet (page 17) must be completed for at least one program of study.

Response:

Attached is the Program of Study for the Certified Nursing Assistant Program

- 3. Describe how students will be provided with strong experience in, and understanding of, all aspects of the industry in which they are studying. (Perkins IV Section 134[b][3][c], Section 135[b][3], State Plan)**

NOTE: All aspects of the industry include; planning, management, finances, technical and production skills, underlying principles of technology, labor and community issues, health and safety, and environmental issues related to that industry. See the *Instructions and Guidelines* document (pages 22-24) for further explanation of all aspects of industry.

Response:

All career technical education classes include *career preparation standards* unit of instruction to be infused throughout the course that includes topics to address *all aspects of the industry* for each industry sector where courses are being offered.

- 4. Describe how students participating in CTE programs are taught to the same coherent and rigorous content aligned with challenging academic standards as are taught to all other students. (Perkins IV Section 134[b][3][D], State Plan)**

Response:

CTE teachers are part of the district wide focus on standards aligned instruction. CTE courses offered are integrated with and reinforce academic core standards. CTE instructors are expected to maximize to the extent practicable the percentage of time and activities leading to attainment of the academic benchmarks, with specific focus on literacy, mathematics, and science. CTE content standards will be used as the primary means of collaboration between CTE and academic teachers.

Many CTE courses are UC a-g approved. It is the goal of Mission Valley ROP and its partner school districts to continue to identify CTE courses which meet UC a-g requirements. Additionally, articulation agreements with local community colleges Ohlone, Chabot, Mission, Foothill, and private post-secondary institutions such as the Fashion Institute of Design and Merchandising ensure that rigor remains embedded in CTE course offerings.

5. **Describe how CTE students at the secondary level are encouraged to enroll in rigorous and challenging courses in core academic subjects (as defined in section 9101 of the Elementary and Secondary Education Act of 1965). Include the implementation and alignment of the CTE Content Standards and Framework. (Perkins IV Section 134[b][3][E], State Plan)**

Response:

The strategic plan adopted by the district in February 2006 outlines the academic focus of NHUSD for the next five years. This includes the ambitious goal of 85% of the students being proficient in English Language Arts and Math by the end of the 2010-11 academic year as measured by progress on the California Standards Test. The planned activities of the strategic plan are focused on the attainment of standards, support for students, and professional development, which allows for the needed conversations regarding academic and career technical education integration. Activities will be planned over the next few years which will focus on staff development, curriculum development, and collaborative program planning and implementation.

Additionally, FUSD and NUSD have made similar goals. All are committed to academic proficiency.

6. **Describe in detail the CTE curriculum and instructional strategies used to deliver the CTE courses that foster “essential employability skills” such as; the ability to work in a team, critical thinking, problem solving, and leadership skills, referenced in the eleven “foundation standards” in the California CTE Model Curriculum Standards. (State Plan)**

Response:

CTE classes are meant to support and build capacity towards career pathways, specifically by addressing the CTE Model Curriculum's "foundation standards". CTE courses emphasize teamwork, critical thinking, problem solving, interview skills, "employability," and rigorous academic standards. In addition, many of the Logan CTE classes feed into ROP capstone courses. The CTE teachers meet regularly to improve their strategies to build these skills in students.

- 7. Summarize progress to date in achieving academic and CTE integration and describe planned activities to continuously improve progress in this area over the next five years. Response should address activities such as staff development, curriculum development, collaborative program planning and implementation, and team teaching. (Perkins IV Section 135[b][1])**

Response:

Professional development in those areas will be a major focus over the next five years, and we recognize the need to achieve academic and CTE integration.

- 8. Describe how students are being encouraged through counseling and guidance to pursue the coherent sequence of courses in the CTE program areas of their interest. (Perkins IV Section 134[b][11], EC 51228, State Plan)**

Response:

A counseling strategic plan was approved in 2007. This plan outlines counseling guidelines and services designed to assist all students in graduating from high school possessing the appropriate skills for post-secondary options. Beginning at the end of the 8th grade, each student will have a individual learning plan (ILP) which will guide their career choices and become the foundation for their academic choices at Logan High School. Students will have a chance to regularly change and update their ILP with assistance from counselors and parents.

- 9. For each CTE program that will be assisted with Perkins IV funds, complete and include a Career Technical Education (CTE) Sequence of Courses worksheet that appears as the last page of the template. (Perkins IV Section 135 [b][2])**

NOTE: The State Plan describes a coherent sequence of courses as a minimum of two or more CTE courses offered in a single CTE program area totaling at least 300 hours of instruction or a single multi-hour course consisting of a minimum of 300 hours of instruction. Program sequences must include a capstone course. Secondary CTE programs may include a Regional Occupation Center/Program (ROCP) course as the "capstone" course.

Response:

Included at the end of this plan, a Career Technical Education (CTE) Sequence of Courses worksheet for each CTE program offered

- 10. Linkages between secondary and postsecondary educational institutions include; California Community Colleges, State Universities, UC's, private postsecondary agencies, and apprenticeship programs.**

Summarize progress made in developing formal written articulation agreements with CTE programs in grades 11-14 and with local workforce preparation systems, i.e., (WIA Boards). Include copies of any formal articulation agreements along with a current list of articulated courses making up the program of study. (Perkins IV Section 135[b][2], State Plan)

Response:

For the first time, Mission Valley ROP and Ohlone College are in the process of developing and implementing a common CTE Plan. This plan identifies career pathways supported by both MVROP and Ohlone College. In industry sectors where Ohlone College doesn't offer coursework, career pathways and articulation agreements are being coordinated with other community colleges in the San Francisco Bay Area, such as, Chabot College, Los Positas Community College, Mission College, and Foothill College. Many courses are articulated for college credit with these institutions. See attachment Appendix B for formal articulation agreements.

- 11. Describe methods to be used to coordinate CTE services with relevant programs conducted under the WIA, ROCP, and other state or local initiatives, including cooperative arrangements established with local workforce investment boards, and community-based organizations, in order to avoid duplication and to expand the range of and accessibility to CTE services. (State Plan)**

Response:

Mission Valley ROP and New Haven Unified School District have a working relationship with the Tri-Cities One-Stop Career Center and its mandated partners administered by Ohlone College. Additionally, Mission Valley ROP coordinates its CTE programs with both the New Haven and Fremont Adult Schools. Adult school partnerships include the East Bay Culinary Arts Institute, basic skills for assigned ROP students through Fremont Adult School, and contract instruction between Fremont Adult School and Mission Valley ROP.

- 12. Indicate plans to offer additional programs of study.**

Response:

Additional Programs of Study will include development of courses to enable students to take advantage of emerging career opportunities in green technology areas. Current Programs of Study such as Construction Technology, Automotive Technology, Culinary, Engineering, and Biotechnology will be re-tooled to integrate green technology. While new Programs of Study in the Residential and Commercial Energy Utilities Pathway are still to be created. We anticipate that all courses will be affected and enhanced by the emergence of green technology in answer to global awareness and shifting economies.

13. Describe the activities related to the use of technology. Such activities may include:

- **Training of career technical teachers, faculty, and administrators to use technology, which may include distance learning**
- **Providing CTE students with the academic and career technical skills (including the mathematics and science knowledge that provides a strong basis for such skills) that lead to entry into the technology fields**
- **Encouraging schools to work with technology industries to offer voluntary internships and mentoring programs, including programs that improve the mathematics and science knowledge of students (Perkins IV Section 135 [b][4])**

Response:

Construction of the new Career Technical Training Center (CTTC) incorporates state of the art technologies which will at the same time serve all industry sections and greatly enhance the ability to provide hands on, state-of-art training in networking and computer systems.

The overall infrastructure provides a wired networking capacity of more than 1000 individual gigabit network ports and 11 wireless access points. Faculty and students have access to network peripherals such as high speed copiers and printers, scanners, and an iSCSI Compellent SAN with an excess of 16TB of data storage. Incorporated in the design of the building is the connection over fiber optics of our existing Industrial Technology buildings with the new Center, so that all our students, regardless of training choices, can leverage all our technological resources. Additionally, a high speed, high capacity tape storage library is housed in an off campus site to provide backup of all staff and student data on a nightly basis.

The facility in itself is a live laboratory for our Industrial Technology students. Incorporated in the specifications for the infrastructure has always been the idea of giving our students a hands-on environment for training. Wiring throughout the building has been strung on “j” hooks to facilitate adding cable runs if necessary. The MDF and 2 IDFs have adequate racking and patch panels for expansion. The choice of managed switches in a chassis configuration allows growth as necessary, and through switch management we can segregate our training classes from the rest of the production environment so that they can configure and explore networking environments with no disruption to other network users.

The building is constructed with several rooms incorporating moveable partitions to facilitate varying laboratory needs. One such area is allocated to our IT sector classes. Configuration of this area allows for a separate work space for lecture and research and a second area purely for troubleshooting and repairing PCs. Combined, this area allows for more than sixty individual workspaces, tools, storage, and reference books.

Electrical capacity and networking capacity in this area is adequate for significantly more.

As stated, the horizontal cabling and switching capacity provides gigabit networking to each desktop. Redundant paths to the WWW are incorporated through a T-1 service through ACOE (Alameda County Office of Education), cable modem access through Comcast, and a primary route of 10mbps fiber optic connection through ATT and FUSD. The redundancy is motivated by our realization of the importance of Internet resources to effective teaching and management, and our desire to “never be down” for any appreciable length of time.

Additionally, Mission Valley ROP and Ohlone College are partners in the Information and Communication Technology Pathway for the San Francisco Bay Area. This is demonstrated in our participation of the Cisco Networking Academy which enables individuals to develop valuable IT skills that will help them succeed in the global economy. Students are prepared for international-recognized industry certifications beginning at the secondary level. Academies are currently located at Irvington and American High Schools and are articulated with Ohlone College’s ICT program. ICT students provide appropriate feeders as transfer STEM students for four-year universities and colleges. Future plans include expanding programs to Newark and Logan High Schools.

Section 2: Support and Services for Special Populations

NOTE: The term "Special Populations" means: individuals with disabilities; individuals from economically disadvantaged families, including foster children; individuals preparing for nontraditional fields; single parents, including single pregnant women, displaced homemakers, and individuals with limited English proficiency.

- 1. Describe the extent to which CTE programs provide full and equitable participation of individuals who are members of special populations. (Perkins IV Section 135[b][9])**

Response:

CTE programs currently serves students with disabilities, economically disadvantaged families, teen parents, single parents, and limited English proficient students. Accessibility to all CTE funded programs is a paramount objective.

- 2. Describe the strategies adopted to overcome the barriers that result in lowering rates of access to or lowering success in the assisted programs for special populations. (Perkins IV Section 134[b][8][A])**

Response:

An agreement between Fremont Adult School and Mission Valley ROP offers special populations and all students the opportunity to improve basic skills for the purpose of successful transition and attainment of career technical education skills and training.

- 3. Describe in detail how CTE programs that are designed to enable special population students meet the local adjusted levels of performance will be provided. (Perkins IV Section 134[b][8][B])**

Response:

All CTE programs offered by Mission Valley ROP enable students to meet the local adjusted levels of performance.

- 4. Describe the planned activities to prepare special populations, including single parents and displaced homemakers who are enrolled in CTE programs, for high skill, high wage, or high demand occupations that will lead to self-sufficiency. (Perkins IV Section 134[b][8][C])**

Response:

All special populations are encouraged to enroll in Mission Valley ROP within the limitations imposed by AB 2448.

- 5. Describe how individuals who are members of special populations will not be discriminated against on the basis of their status as members of the special populations. (Perkins IV Section 134[b][9])**

Response:

Mission Valley ROP's Notice of Non-Discrimination states that MVROP does not discriminate on the basis of race, color, national origin, religion, sex, gender or disability in its educational programs, activities, or employment practices.

6. Describe strategies to identify, recruit, retain, and place male and female students who desire training for nontraditional fields. (Perkins IV Section 134[b][10])

NOTE: Nontraditional fields are those in which one gender comprises less than 25 percent of the total number of employees. Examples: cosmetology is a nontraditional occupation for males; construction is a nontraditional occupation for females. CTE programs for these occupations are classified as nontraditional programs.

Response:

MVROP and NHUSD staff have identified non-traditional fields for both male and female students, and a goal of our CTE program is to create environments in which students can feel comfortable and confident about training in non-traditional fields for their gender. Counselors and teachers consider enrolling critical masses of students of different genders to give students full license to enter non-traditional fields.

Section 3: Guidance and Counseling

- 1. Describe how ongoing career guidance and academic counseling will be provided to students regarding CTE, including linkages to future education and training opportunities. (Perkins IV Section 134[b][11], EC Sections 51224 and 51228, State Plan)**

Response:

NHUSD recently adopted a counseling tactic plan which should address many of the components in this section.

Tactic 1: Focuses on implementing a comprehensive, systemic counseling program for our students based on the National School Counseling Standards for academic, career and personal counseling. This includes helping students to identify CTE programs that fit their career interests.

Tactic 2: Focuses on the elimination of barriers and increasing access for African-American and Latino/Hispanic to advance courses and programs. Counselors work to build supports for students of color to enter and succeed in CTE courses.

Tactic 3: Focuses on creating, developing and annually revising a personalized education plan for every student focusing on academic, career, and personal goals. This plan includes CTE courses and plans for post-secondary career opportunities.

Tactic 4: Focuses on ensuring receives systematic transition counseling prior to beginning middle and high school to help them better understand the academic coursework and strategies necessary to achieving their academic, career, and personal goals. CTE opportunities can be discussed with students during middle school to facilitate entry to CTE programs.

- 2. Describe how local career guidance and academic counseling efforts are aligned with other state efforts, i.e., Senate Bill 70, 10th Grade Counseling, other counseling and guidance funds. (State Plan)**

Response:

The District Strategic Plan focuses on the alignment of all programs and resources to meet the ambitious academic objectives of NHUSD. All initiatives (state, local and national) are prioritized in order to meet these goals. SB70, counseling and guidance funds, district general funds, and categorical funds are used to ensure that alignment. Counselors meet with 10th graders to develop a 3 year plan. It is the goal that every student in NHUSD will have an individualized learning plan which will be reviewed and revised annually. This plan will establish the needed alignment between guidance and counseling services and the students' academic, career, and personal goals.

Section 4: Comprehensive Professional Development Provided to Teachers, Counselors, and Administrators

- 1. Describe professional development activities for CTE teachers that go beyond those activities offered to all teachers through the use of district funds. (State Plan)**

Response:

Mission Valley ROP and its partner districts are committed to providing staff development opportunities for both academic and CTE teachers. The focus of these workshops is the integration of CTE and academic education. Each staff member annually develops a professional development plan which is aligned with planned district staff development days. At the beginning of each year, Mission Valley ROP has a sequence of three staff development days. The first day is focused on training new teachers. The remaining two days focus on implementation and alignment of CTE programs with the California Model Curriculum Standards and Framework. Additionally, staff are encouraged to attend conferences and workshops, including opportunities for improving occupational skills. Perkins funds are used to partially fund these activities.

- 2. Describe the professional development activities implemented or planned for the implementation that focus on the California CTE Model Curriculum Standards and Framework. (State Plan)**

Response:

The above mentioned professional development activities are planned with California CTE Model Curriculum Standards and Framework in mind. A complete professional development plan for CTE teachers will focus on structuring a standards-based curriculum that aligns with both the CTE Model Curriculum and with district and state expectations for Language Arts.

- 3. Describe the ongoing professional development initiative(s) made to effectively integrate and use challenging academic and CTE standards that is provided jointly with academic teachers. Include any professional development activities conducted in conjunction with secondary and postsecondary agencies. (Perkins IV Section 135[b][5][A][i])**

Response:

Mission Valley ROP and its joint partners Fremont, New Haven and Newark Unified School Districts will identify career pathways that can be supported by CTE and academic teacher collaboration. Substitutes will be provided to enable academic and CTE teachers to collaborate so that academic teachers teach academics that apply to a variety of industry sectors, and CTE teachers teach academic content standards as they apply to a given industry sector. Whenever possible, academy models and small learning communities will be focused on industry sectors and career pathways.

4. Describe the pre-service and in-service training provided to staff in effective teaching skills based on research that includes promising practices. (Perkins IV Section 135[b][5][A][ii])

Response:

Many pre-service and in-service training activities have been introduced to NHUSD teachers and administrators as a result of the Strategic Plan. NHUSD has agreed to allow MVROP teachers and administrators to participate in these trainings as well. This includes, but is not limited to:

- California High School Exit Exam strategies
- Marzano – “Classroom Instruction that Works”
- BTSA orientation
- Professional Learning Communities
- Identifying Power Standards
- Developing Assessments
- Small Learning Communities
- Meeting Needs of English Learners
- Differentiation
- Technology integration
- Literacy strategies

5. Describe the in-service and pre-service training provided to staff in effective practices to improve parental and community involvement. (Perkins IV Section 135[b][5][A][iii])

Response:

Staff are engaged in discussions and activities about how to utilize and facilitate community involvement during staff meetings, cluster meetings, WASC Leadership Team, New Teacher Training and Staff Development meetings. Staff development activities include training on how to approach and include community stakeholders involvement and participation on CTE Advisory Committees and industry advisory committees.

6. Describe the in-service and pre-service training provided to staff in the effective use of scientifically based research and data to improve instruction. (Perkins IV Section 135[b][5][A][iv])

Response:

Logan, Conley-Caraballo, and MVROP staff have received extensive training with Robert Marzano’s “Classroom Instruction that Works”. Understanding the District’s Power Standards, developing assessments, curriculum mapping and differentiation have also been a focus. The district has been in partnership with the

School Redesign Network at Stanford and Teachers College of Columbia University in providing research-based strategies to teachers.

Additionally, Fremont Unified School staff and MVROP staff have received training through the BAY Area Coalition for Equitable Schools (BayCES). The program and services offered through BayCES are designed to support instructional leaders through on-site coaching, equity-centered professional development, and networking services. The goal will be to increase access to these types of professional development activities for CTE staff.

- 7. Describe the professional development programs for teachers of CTE and other public school personnel who are involved in the direct delivery of educational services to CTE students, to ensure that such teachers and personnel stay current with all aspects of an industry. (Perkins IV Section 135[b][5][B])**

Response:

All CTE teachers are able to access the wide variety of programs offered to other teachers working within the joint powers agreement school districts. A goal is to develop practices among CTE staff to stay abreast of and engaged in all aspects of industry. Additionally, CTE teachers along with other public school personnel participate in the WASC process, the Educating for Careers Conference, school site career fairs, advisory committee meetings, and CTE Advisory Committee meetings where opportunities for interaction with business and industry to stay current are the focus. From these meetings, staff make connections with business and industry offering opportunities for employer job shadowing.

CTE staff have additional access to professional development activities through CTEOnline.org. CTE Online is poised as a resource devoted to connecting educators and leaders within the unique field of Career and Technical Education to quality professional development tools that help establish the role rigorous academic skills play in pursuit of industry and career related coursework. MVROP staff have received training on use of this resource and its role as a professional development tool will continue to expand.

- 8. Describe the internship programs that provide relevant business experience to teachers. (Perkins IV Section 135[b][5][C])**

Response:

Mandated connections with active business and industry advisory members create opportunities for CTE teachers to remain alert to the most updated trends and requirements of industry. MVROP teachers and their joint partner counterparts have access to job shadowing, conferences, workshops, and mentoring by business and industry members.

- 9. Describe the programs designed to train teachers specifically in the effective use and application of technology to improve instruction. (Perkins IV Section**

135[b][5][D])

Response:

All teachers receive training in our e-mail, grading, student information systems, and web based applications including utilization of the MVROP website, staff page and shared drives which can be an effective instructional tool. Additionally, Level 2 credential requirements for the Designated Subjects credential requires teacher training in the effective use and application of technology to improve instruction. Perkins as well as staff development funds are used to support teachers efforts at trainings and workshops designed to increase their effective use of and application of technology.

Section 5: Accountability and Evaluation of Career Technical Education (CTE) Programs

- 1. Describe the process that will be used assess the academic and career technical performance of students participating in CTE programs. (Perkins IV Section 134[b][7], State Plan)**

Response:

Student academic and career technical education performance are reviewed annually by:

- Discussing performance at instructional meetings
 - Reviewing performance during program advisory committee meetings
 - Reviewing performance with the governing board or council
 - Performance review at department and cluster meetings
- 2. Describe the process that will be used to evaluate and continuously improve the quality of CTE programs offered to students. What provisions are or will be in place to set priorities for local CTE program improvement and ensure alignment with the CTE Model Curriculum Standards and Framework. (Perkins IV Section 134[b][7], Section 135[b][6], State Plan)**

Response:

CTE programs are evaluated annually to ensure quality instruction. The following data is reviewed and analyzed:

- An annual student survey is used to assess student perception of the quality of program, teacher, technology, instructional resources, and student support services
- A review of this data is used in the budgeting process to remedy quality deficiencies
- The WASC accreditation process reviews goals and objectives with a focus on student learning

- 3. Describe plans to increase the active participation of representatives from the workforce and economic development agencies including members of business, industry, and labor in planning, implementing, and evaluating funded programs. (State Plan)**

Response:

Program advisory committees are a critical component for accountability in CTE programs. Advisory committees annually review course outlines and competencies and make a recommendation as to whether a program will be continued. Additionally, MVROP has added a CTE Advisory Committee made up of various business/industry partners and community stakeholders to provide increased opportunities for active

participation in the planning, implementation and evaluation of funded programs from an organizational perspective.

4. **Describe the actions being taken and/or planned by the agency to ensure participation in California Longitudinal Pupil Achievement Data System (CALPADS) and California Partnership for Achieving Student Success (Cal-PASS) data systems process. (State Plan)**

Note: It is expected that CALPADS will be fully implemented beginning July 2009.

Response:

Mission Valley ROP has signed a Memorandum of Understanding with Ohlone College which states our intention to enroll in Cal-PASS by Dec 31, 2008 and begin sending required data by March 31, 2009. As of April 9, 2009 the required data has been submitted.

Section 6: Use of Funds

Section 135(a) of Perkins IV states, “Each eligible recipient (LEA) of the Section 131 and 132 funds shall use these funds to improve CTE programs.” Federal grant funds must supplement, or augment, and not supplant state or local funds. Federal funds may not result in a decrease of state or local funding that would have been available to conduct the activity had federal funds not been received. LEAs must be able to demonstrate that federal funds are added to the amount of state and local funds that would be made available for uses specified in this local plan.

While the regulations do not provide a definition of “program improvement,” it is clear that the funds may not be used to simply maintain an ongoing program. The CDE has interpreted this requirement to mean that the funds may only be used to support activities intended to enhance the effectiveness of existing programs, modify or update existing programs, and to develop and implement new programs.

- 1. Describe how the Perkins IV funds supplement general funds and funds from other resources, such as School Improvement, Title I, Senate Bill 70, Proposition 1D, tenth grade counseling, other guidance and counseling and others to improve the academic and technical skills of students participating in CTE programs. (State Plan)**

Response:

An analysis of program needs shows that the following areas are in need of Perkins resources:

- Proposition 1D funding for a \$5.3 million East Bay Culinary Arts Institute within the Hospitality, Tourism and Recreation industry sector creates the opportunity for Perkins dollars to partially assist the instructional portion of this program.
- Proposition 1D funding for a \$30 million Performing Arts Center necessitates creation of a career pathway within the Arts, Media and Entertainment industry sector. Perkins dollars will be used to partially fund the creation of courses that are part of a career pathway leading to careers in stagecraft and sound production.
- Perkins will be used to supplement counseling and guidance activities leading students to instructional programs in Business/Finance; Arts, Media and Entertainment; Engineering and Design; Education, Child Development and Family Services; Information Technology; Marketing, Sales and Services; Fashion and Interior Design, Hospitality, Tourism and Recreation; Transportation Technology; Public Services; and Health Science and Medical Technology. These programs will also share in Perkins funds should they be available in an amount sufficient to improve and enhance the program.

Section 131(Secondary) Perkins funds are used to supplement district and ROP resources (may include Perkins 132 (Adult) funds) allocated for programs. They will not be used to supplant existing program budgets. Prior to use of

Perkins funds, budgets are established for all programs based on availability of general fund resources, grant funds, industry donations, and lottery funds.

Due to current economic conditions ROP funds are the primary source of funds for CTE courses for many of our joint power partners. Districts are committed to supporting CTE courses in designated career pathways and intend to remain fully qualified to accept Perkins funds.

Career pathways are offered in the district or ROP in many of the 15 industry sectors identified by the California Department of Education. Each of these pathways indicate how and where students can continue their education in a post-secondary institution. Many of the courses are articulated for community college credit. Additionally, many courses earn UC a-g credit.

Appendix A

Identification of the CTE Sequence of Courses

Appendix B

Articulation Agreements

Appendix C

CTE Advisory Committee Roster

Appendix A

Identification of the CTE Sequence of Courses

Appendix A

Course Sequences by Industry Sector

Draft Update April 13, 2009	Agriculture and Natural Resources - Suggested College Preparatory				
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math or othe	Other Math	California State University Degree Program
3	Health/Med Careers Introduction	ROP Medical Elective	ROP Medical Elective	ROP Capstone (2hr)	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE*	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE*	Mandarin/Spanish or other World Lang or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Anatomy and Physiology "g"	Anatomy and Physiology "g"	Veterinary Assistant (2hr)*	
			Biotechnology**		
			Medical Health Careers		
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	* Articulates to Foothill Community College
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	AA/AS Degree
3	Health/Med Careers Introduction	ROP Medical Elective	ROP Medical Elective	ROP Capstone (2hr)	Certified Veterinary Technician
4	Applied Physics/Biotech	Applied Physics/Biotechnology			60 Unit Transfer Program to CSU or UC
5	PE	World History	Chemistry/Physics	U.S. History/Government	Certificate Programs
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Anatomy and Physiology "g"	Medical Occupations (2hr)	Veterinary Assistant (2hr)*	
			Biotechnology** (2hr)		
		**Receives UC credit, Articulates to Community College			

Appendix A

Course Sequences by Industry Sector

	Suggested Career CTE/Community College Preparatory				
Class #	9	10	11	12	
1	English	English	English	English	<u>Ohlone College</u>
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	<u>AA/AS Degree</u>
3	Health/AME Introduction	ROP AME Elective	ROP AME Elective	ROP Capstone (2hr)	Audio Technician
4	Applied Physics/Biotech	Applied Physics/Biotechnology			Costuming
5	PE	World History	Chemistry/Physics	U.S. History/Government	Live Event Management
6	Digital Drawing/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	Moving Light Technician
					Stage Craft
	ROP Elective Courses	Digital Photography 1 "f"	Computer Graphic Design 1 (2hr)	Computer Graphic Design 1 (2hr)	Theatrical and TV Lighting Technician
			Digital Photography 2 "f"	Computer Graphic Design 2 (2hr)	Graphic Arts/Computer Graphics
			Computer Animation 1 (2hr)	Computer Animation 1 (2hr)	Multimedia
					Music
					60 Unit Transfer Program to CSU or UC
		Digital Video Arts Production 1	Digital Sound Design 1 (2hr)	Digital Sound Design 1 (2hr)	Certificate Programs
				Digital Sound Design 2 (2hr)	

Appendix A

Course Sequences by Industry Sector

		Building and Construction Trades Technology (BCT) - Suggested College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	
3	Health/Industrial Introduction	ROP BCT Elective	ROP BCT Elective	ROP BCT Elective	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE*	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE*	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Woodworking Tech 1	Woodworking Tech 2	3-D Woodworking Art "f"	
				Construction Technology 1 (2hr)	
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	
3	Health/Business Introduction	ROP BCT Elective	ROP BCT Elective	ROP BCT Elective	
4	Applied Physics/Biotech	Applied Physics/Biotechnology			
5	PE	World History	Chemistry/Physics	U.S. History/Government	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses				
		Woodworking Tech 1	Construction Technology 1 (2hr)	Construction Technology 2 (2hr)	

Appendix A

Course Sequences by Industry Sector

	Energy and Utilities - Suggested College Preparatory				
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program California State University Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	
3	Health/Industrial Introduction	Energy Core Elective	ROP Energy and Utilities Elect	ROP Energy and Utilities Elect	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE*	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography* PE*		Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Intro to Energy Alternatives	Intro to Energy Alternatives	Alternative Fuels and Energy (2hr) Emerging Environmental Technology (2hr)	
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	
3	Health/Bus and Fin Introduction	ROP Energy and Utilities Elect	ROP Energy and Utilities Elect	ROP Energy and Utilities Elect	
4	Applied Physics/Biotech	Applied Physics/Biotechnology			
5	PE	World History	Chemistry/Physics	U.S. History/Government	
6	Computer Ops/Geography* PE		Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Intro to Energy Alternatives	Alternative Fuels and Energy (2hr) Emerging Environmental Technology (2hr)	Alternative Fuels and Energy (2hr) Emerging Environmental Technology (2hr)	

Appendix A

Course Sequences by Industry Sector

		Engineering and Design Technology - Suggested College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health/Industrial Introduction	ROP Engineering Elective	ROP Engineering Elective	ROP Engineering Elective	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Course	Principles of Engineering	Biotechnical Engineering	Engineering Design and Development (2hr)	
	Intro to Engineering Design		Computer Integrated Manufacturing		
			Civil Engineering and Architecture		
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	<u>Mission College</u>
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	<u>AA/AS Degree</u>
3	Health/Industrial Introduction	ROP Engineering Elective	ROP Engineering Elective	ROP Engineering Elective	Engineering
4	Applied Physics/Biotech	Applied Physics/Biotechnology			
5	PE	World History	Chemistry/Physics	U.S. History/Government	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
					<u>60 Unit Transfer Program to CSU or UC</u>
	ROP Elective Course	Principles of Engineering	Biotechnical Engineering (2hr)	Engineering Design and Development (2hr)	<u>Certificate Programs</u>
	Intro to Engineering Design		Computer Integrated Manufacturing (2hr)		
			Civil Engineering and Architecture (2hr)		

Appendix A

Course Sequences by Industry Sector

		Fashion and Interior Design - Suggested College Preparatory				
Class #	9	10	11	12		
1	English	English	English	English	University of California Degree Program	
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program	
3	Health/Bus and Fin Introduction	Sales and Marketing Elective	ROP Fashion and Design Elective	ROP Fashion and Design Elective		
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics			
5	PE	World History	U.S. History/Government	Visual/Performing Arts		
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang		
	ROP Elective Courses	Fashion Merchandising 1	Fashion Merchandising 1*	Fashion Merchandising 1 (2hr)*		
			Fashion Design 2*			
		Interior Design 1				
			Interior Design 1			
			Interior Design 2	Interior Design 1 (2hr)		
				Cosmetology		
				Manicurist		
		Suggested Career CTE/Community College Preparatory				
Class #	9	10	11	12		
1	English	English	English	English		
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math		
3	Health/Bus and Fin Introduction	ROP Hospitality Elective	ROP Hospitality Elective	ROP Hospitality Elective		
4	Applied Physics/Biotech	Applied Physics/Biotechnology				
5	PE	World History	Chemistry/Physics	U.S. History/Government		
6	Computer Ops/Geography*	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang		
	ROP Elective Courses	Fashion Merchandising 1*	Fashion Merchandising 1 (2hr)*	Fashion Merchandising 1 (2hr)*	<u>Ohlone College</u>	
				Fashion Merchandising 2 (2hr)*	<u>AA/AS Degree</u>	
		Interior Design 1	Interior Design 1 (2hr)		<u>Interior Design</u>	
					<u>60 Unit Transfer Program to CSU or UC</u>	
				Interior Design 1 (2hr)	<u>Certificate Programs</u>	
				Interior Design 2 (2hr)		
				Cosmetology		
				Manicurist		
				*Articulates with Fashion Institute of Design and Merchandising (FIDM)		

Appendix A

Course Sequences by Industry Sector

		Finance and Business - Suggested College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health/Bus and Fin Introduction	ROP Bus and Finance Elect	ROP Bus and Finance Elect	ROP Bus and Finance Elect	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE*	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography*	PE*	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Computer Tech 1*	Comp Acct/Money Mgmt	Business Office Management (2hr)*	
		Computer Tech 2*			
		Comp Acct/Money Mgmt			
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	<u>Ohlone College</u>
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	<u>AA/AS Degree</u>
3	Health/Bus and Fin Introduction	ROP Bus and Finance Elect	ROP Bus and Finance Elect	ROP Bus and Finance Elect	Accounting
4	Applied Physics/Biotech	Applied Physics/Biotechnology			Administrative Assistant
5	PE	World History	Chemistry/Physics	U.S. History/Government	Administrative Assistant (Supervisor Focus)
6	Computer Ops/Geography*	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	Business Administration Business Supervision/Management
	ROP Elective Courses	Computer Tech 1*	Comp Acct/Money Mgmt	Business Office Management (2hr)*	60 Unit Transfer Program to CSU or UC
		Computer Tech 2*			Certificate Programs
		Comp Acct/Money Mgmt			
				*Articulates to Ohlone College	

Appendix A

Course Sequences by Industry Sector

Health, Science and Medical Technology - Suggested College Preparatory					
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health/Medical Careers	ROP Medical Elective	ROP Medical Elective	ROP Medical Elective	
4	Applied Physics/Biotech	Applied Physics/Biotechnology	Chemistry/Physics		
5	PE*	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE*	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Anatomy and Physiology "g"	Anatomy and Physiology "g"	Medical Assisting (2hr)	
				Biotechnology* "d"	
		Sports Therapy	Sports Therapy		
			SHAPE Seminar	Sports Psychology	
				Nurse Assistant (2hr)	
				Pharmacy Clerk 1 (2hr)	
				Sports Therapy (2hr)	
		*Receives UC credit, Articulates to Ohlone College			
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	<u>Ohlone College</u>
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	<u>AA/AS Degree</u>
3	Health/Medical Careers	ROP Medical Elective	ROP Medical Elective	ROP Medical Elective	Biology
4	Applied Physics/Biotech	Applied Physics/Biotechnology			Chemistry
5	PE	World History	Chemistry/Physics	U.S. History/Government	Geology
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	Physical Therapist Assistant
	ROP Elective Courses	Anatomy and Physiology "g"	Medical Assisting (2hr)	Medical Assisting (2hr)	Physics
			Medical Occupations (2hr)	Medical Occupations (2hr)	Registered Nurse
		Sports Therapy		Biotechnology* "d"	Respiratory Therapist
					60 Unit Transfer Program to CSU or UC Certificate Programs
			Nurse Assistant (2hr)	Nurse Assistant (2hr)	
			Pharmacy Clerk 1 (2hr)	Pharmacy Clerk 1 (2hr)	
			Sports Therapy (2hr)	Pharmacy Clerk 2 (2hr)	
				Sports Therapy (2hr)	
		*Receives UC credit, Articulates to Ohlone College			

Appendix A

Course Sequences by Industry Sector

		Information and Communication Technology (ICT)/Suggested College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health/Intro to ICT	ROP ICT Elective	ROP ICT Elective	ROP ICT Elective	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Computer Service Tech 1*	Computer Service Tech 1*	Computer Service Tech 1*	
			Computer Service Tech 2*	Computer Service Tech 2*	
				Computer Service Tech 3*	
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	Ohlone College
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	AA/AS Degree
3	Health/Intro to ICT	ROP ICT Elective	ROP ICT Elective	ROP ICT Elective	CISCO Certified Network Professional (Network +, CCNA, and CCNP)
4	Applied Physics/Biotech	Applied Physics/Biotechnology			Computer Engineering
5	PE	World History	Chemistry/Physics	U.S. History/Government	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	Computer Science
	ROP Elective Courses	Computer Service Tech 1*	Computer Service Tech 1*	Computer Service Tech 1*	Computer Studies:Computer Programming (Internet/Web Programming)
			Computer Service Tech 2+	Computer Service Tech 2*	Computer Studies: Computer Programming (Software Development)
				Computer Service Tech 3*	Desktop Support Technician (A+, Server+, MCP)
					Network Administrator (Network+, MCP or UNIX, and CCNA)
					Unix/Linux Systems Administrator
				*Articulates with Ohlone and Mission College	60 Unit Transfer Program to CSU or UC Certificate Programs

Appendix A

Course Sequences by Industry Sector

	Manufacturing and Product Development (MPD) - Suggested College Preparatory				
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health*/Industrial Introduction	ROP MPD Elective	ROP MPD Elective	ROP MPD Elective	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Intro to Engineering	Intro to Engineering	Welding 1 (2hr)	
			CAD 1	CAD 1 (2hr)	
			Metal Sculpture 1	3-D Modeling	
			CAD 2	Metal Sculpture 2	
			Metals 2		
			Metal Sculpture		
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	Chabot College
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	AA/AS Degree
3	Health*/Industrial Introduction	ROP MPD Elective	ROP MPD Elective	ROP MPD Elective	Engineering
4	Applied Physics/Biotech	Applied Physics/Biotechnology	Chemistry/Physics	U.S. History/Government	Engineering Technology - Electronics
5	PE	World History	Chemistry/Physics	U.S. History/Government	Engineering Technology - Manufacturing
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	Machine Tool Technology
	ROP Elective Courses	Intro to Engineering	Welding 1 (2hr)	Welding 1 (2hr)	Welding Technology
			CAD 1 (2hr)	CAD 1 (2hr)	Mission College
			Engineering Technology (2hr)	Welding 2 (2hr)	AA/AS Degree
			3-D Modeling	CAD 2 (2hr)	Semiconductor Manufacturing Technician
				Engineering Technology (2hr)	Ohlone College
				3-D Modeling	AA/AS Degree
					Engineering
					60 Unit Transfer Program to CSU or UC
					Certificate Programs

Appendix B

Articulation Agreements

Summary for Appendix B

MISSION VALLEY ROP Career Technical Training Center

List of Articulation Courses with Chabot College

MISSION VALLEY ROP - HIGH SCHOOL	
Agreement	Course Credit
(High School/ROP)	(Chabot College)
Adm. Of Justice (one-year course, 180 hours)	AJ 50
Auto Tech Program + Bureau of Auto Repair Clean Air course	AT 55, 70 + AT 68
Computer Information Science Program (one-year course)	CAS 50
Industrial Drafting/Computer Aided Drafting Program	DT 52, 62A, 62B, 66B
Early Childhood (one-year program) + (two-year program- senior year)	ECD 64, 95, 96 + ECD 50
Fire Service Tech course	FST 50
Marketing Ownership & Mgmt course (second-year course) + 1 semester supervised co-op experience (225 hrs) + 2 semesters supervised co-op experience + passing grade for Distribution Education Clubs of America General Marketing exam	Bus 50 Bus 95, 96 (4 units) Bus 95, 96 (8 units) Marketing 52 or Bus 59 (or Marketing 99.01)
Computer Maintenance (one-year program)**	
Computer Maintenance (two-year program)**	
Drafting (two-year program)	
Early Childhood (one-year program) (two-year program- senior year)	
Marketing Ownership & Mgmt course (second - year course) + 1 semester supervised co-op experience (225 hrs) + 2 semesters supervised co-op experience + passing grade for Distribution Education Clubs of America General Marketing exam	Bus 50 Bus 95, 96, (4 units) Bus 95, Bus 96 (8 units) Marketing 52 or Bus 59 (or Marketing 99.01)
MA/HIT (Medical Administrative Assistant Program)*	H 50, 51A, MA 71A, 71B
MA/HIT (Health Occupations course)	H 50
Welding (two-year program)	WT 61A, 61AL, 62A, 62AL, 67A, 67B
Welding Technology Program (1, 080 hours)**	WT 61A, 61AL, 62A, 62AL, 67A, 67B

Summary for Appendix B

MISSION VALLEY ROP Career Technical Training Center

List of Articulation Courses with FIDM



The Fashion Institute of Design & Merchandising™

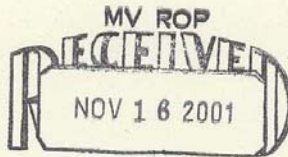
919 South Grand Avenue Los Angeles, CA 90015-1421

213.624.1200

website: <http://www.fidm.com>

Mission Valley ROP
40230 Laiolo Road
Fremont, Ca. 94538

10/18/2001



To Whom It May Concern:

This letter of understanding is to serve as a formal agreement between Mission Valley and the Fashion Institute of Design & Merchandising pursuant to the Fashion Merchandising class in the Regional Occupational Program. FIDM will award up to six units of credit for GNST 130 (Color Theory) and GNST 117 (History of Costume) if, History of Costume is a required GNST course in the student's major or if the student tests out of our remedial English class (GNST 080) and has a GNST elective to take in place of GNST 080.

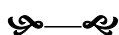
Please inform your students applying for admission to FIDM to present their transcripts showing successful completion of Fashion Merchandising and this letter of understanding (make copies available to students) to the student's Admission Advisor. This will ensure that credit will be awarded without delay.

Sincerely,

Sheryl Rabinovich, Dean of Education
Dept. Chair – General Studies

2+2 Articulation Agreement

Foothill College—Veterinary Technology Program



Mission Valley ROP—Veterinary Assistant Program

rev. 03/20/2009

This agreement is between the Foothill College Veterinary Technology Program (FHC-VT) and the Mission Valley Regional Occupational Program Veterinary Assistant Program (MVROP-VA).

Intent

The parties mutually agree that the linking of the two programs will provide a means for students to make a smooth transition from the secondary level of occupational and academic training to the two-year post-secondary level without experiencing delay or duplication of learning. Furthermore, through appropriate counseling, carefully designed coursework and acquisition of critical literacy skills the student will be prepared for success in a strong college professional program and thus be qualified for a career in the veterinary profession.

The articulation design combines both a *Time-Shortened Program* component and a *Tech Prep/Advanced Skills* approach to eliminate redundancy and incorporate more breadth of training than the post-secondary program alone can provide. Qualified students will receive college credit for the articulated course after completing the required designated units.

Students completing the MVROP-VA PROGRAM will be qualified to work as *Unregistered Veterinary Assistants* and graduates of the FHC-VT PROGRAM will be eligible for licensing as a *Registered Veterinary Technicians (RVT)*.

Terms and Conditions

- 1) Detailed procedures and general policies are outlined and contained in the 2+2 Articulation materials which have been reviewed and approved by each party. This information is available to students, parents, counselors, teachers, and administrators by contacting the MVROP Veterinary Assistant Program Director.
- 2) The MVROP Veterinary Assistant Program will be considered equivalent, but not identical to VT 51—*Introduction to Veterinary Technology* and VT60-*Office Practices* at Foothill College. The Articulation Agreement is limited to these two courses only.

Summary for Appendix B

- 3) Students enrolled in MVROP-VA will be advised that in order to better prepare for success at the post-secondary level, s/he should engage in a series of college preparatory courses at the secondary level and be counseled that most successful students complete the VT program prerequisites **and** the majority of the Foothill College general education requirements **prior to application to the FHC-VT PROGRAM.**
- 4) The FHC-VT program director shall be an active member of the MVROP-VA Advisory Board and the MVROP-VA program director shall be an active member of the FHC-VT Advisory Board.
- 5) MVROP-VA shall maintain a complete competency record, which identifies in detail all classroom and site-based competencies evaluated and achieved for each student.
- 6) College Credit will be granted once the student completes 12 quarter units of college general education courses including but not limited to courses in Mathematics and Physical Sciences, Business and Social Sciences and Biology and Health Sciences with a grades of “C” or better.
- 7) The student must complete a written petition for equivalency with the veterinary technology program lead counselor, which must be approved by the FHC-VT program director and the Biological and Health Sciences Division Dean. The student is responsible for providing the following documents:
 - High school transcript showing successful completion of the articulated course.
 - Proof of achievement of 90% of the agreed upon classroom and site-based articulation competencies (Completed *Individualized Training Plan, Classroom Competency and Site-based Competency Checklists*).
 - Letter of recommendation from MVROP-VA director.
- 8) This agreement shall remain in full force and effect until during any single school year and may be revoked in writing by either party given at least two months notice prior to the date of desired termination. Neither party is in any way obliged to maintain this agreement beyond a given school year.
- 9) The renewal of this articulation agreement between MVROP-VA AND FHC-VT will be subject to biennial review and approval by the FHC-VT program director and the dean of the Biological and Health Sciences Division and is contingent upon maintaining a high quality curriculum formally adopted and taught to specified outcomes by a qualified teacher.
- 10) It is the responsibility of the MVROP-VA director to provide relevant documents including but not limited to the official Veterinary Assistant Program Course

Summary for Appendix B

Outline, Faculty Curriculum Vitae, Student Individualized Training Plan and comprehensive Classroom and Site-based Competency Checklists.

- 11) MVR0P-VA must notify FHC-VT of any proposed change in faculty or curriculum prior to any change being implemented or the articulation agreement will be considered void.
- 12) All administrators, faculty and counselors whether full time or part time shall receive orientation to the 2+2 articulation process in general and to this articulation agreement in particular.

Summary for Appendix B

The following parties agree to abide by the terms and conditions of the Foothill College Veterinary Technology Program (FHC-VT) and Mission Valley Regional Occupational Program Veterinary Assistant Program (MVROP-VA) Articulation Agreement as outlined above:

Foothill College Veterinary Technology Program

Date: _____
Karl M. Peter, D.V.M., Director—Veterinary Technology Program

Date: _____
Eloise Orrell, Dean—Biological & Health Sciences Division

Mission Valley ROP Veterinary Assisting Program

Date: _____
Patricia Rutherford, R.V.T., C.V.P.M., Director
Veterinary Assistant Program

Date: _____

Date: _____

Summary for Appendix B

MISSION VALLEY ROP Career Technical Training Center

List of Articulation Courses with Mission College

Mission Valley ROP Course	# of Units	Mission College Course
<u>Arts and Media</u>		
Computer Graphics Design	3 units	GDES 035
<u>Education</u>		
Careers in Education	3 units	CHD001
<u>Finance & Business</u>		
Business Ownership	1 unit	Bus054
Merchandising & Marketing	3 units	Mkt. 056A
<u>Hospitality, Tourism, Recreation</u>		
Culinary Arts/Basic Food Prep.	5 units	FDRST 051 - Basic Food Preparation
<u>Information Technology</u>		
Discovery 1 Networking for Home & Small Business	3 units	CIT* 021/22/23/24
Discovery 2 Working at Small to Medium Business or ISP	3 units	CIT* 021/22/23/24
IT Essentials PC Hardware & Software	4 units	Network Hardware & Software CT* 012

Summary for Appendix B

MISSION VALLEY ROP Career Technical Training Center

List of Articulation Courses with Ohlone College

Mission Valley ROP Course	# of Units	Ohlone College Course
<u>Arts and Media</u>		
TV Broadcast Technology	4 units	Broadcasting 141
Web Design & Media	3 units	MM105
<u>Education</u>		
Careers in Education 1 & 2	6 units	ECS 300 & 195
<u>Finance & Business</u>		
Accounting Principles	3 units	BA 106
Applied Excel	.5 units	CAOT 193 A/B/C
Business English/Correspondence	4 units	BA 116
Business Math	3 units	BA 123
Business Office Skills (keyboarding)	1 unit	CAOT 104
Computerized Accounting using QuickBook	1.5 units	BA 109B
Merchandising/Marketing	3 units	BA 126
<u>Health/Human Services</u>		
Administration of Justice	3 units	AJ 101
Biotechnology	3 units	BIOT 105
Sports/Physical Therapy	4 units	KIN 257
<u>Information Technology</u>		
Computer Business Applications	1 unit	CAOT 153
Info Comm Tech 1 & 2	4 units	CNET 105
Info Comm Tech 3	4 units	CNET 155A or 154

Appendix C

CTE Advisory Committee Roster

Legend:	
*	= Attendees
	= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

	QTY	TITLE	FIRST NAME	LAST NAME	JOB TITLE	COMPANY	ADDRESS 1	CITY
*	1	Ms.	Shelley	Adams	Director of Educational Services	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	2	Ms.	Allison	Aldinger	PR Administrator	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	3	Ms.	Barbara	Alexander	Counselor	James Logan High School	1800 H Street	Union City
*	4	Dr.	Seth	Bates	Professor, Materials and Manufacturing	Department of Aviation & Technology - College of Engineering, San Jose State University	One Washington Square	San José
*	5	Mr.	Charles	Brown	Superintendent	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	6	Mr.	Bill	Brunelli	Operational Director	Central Cevrolet	4949 Thorton Avenue	Fremont
*	7	Ms.	Tasha	Dean	Coordinator of Special Services	New Haven Unified School District	34200 Alvarado Niles Road	Union City
*	8	Ms.	Marie	dela Cruz	Director of Business Services	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	9	Ms.	Tina	Dodson	Director	Tri-Cities One Stop Career Center	39899 Balentine Drive #220	Newark
*	10	Mr.	Steve	Evans	Operations Manager, North Aire Supply	Northaire Supply Company	1359 Old Oakland Road	San Jose
*	11	Mr.	Joe	Feldman	Director of Secondary Education	New Haven Unified School District	34200 Alvarado Niles Road	Union City
*	12	Ms.	Therese	Gain	Director of Facilities	Fremont Unified School District	4210 Technology Drive	Fremont
*	13	Ms.	Colleen	Ganaye	Journey Ambassador	Hilton Hotel	39900 Balentine Drive	Newark
*	14	Ms.	Nancy	George	Principal	New Haven Adult School	600 G Street	Union City
*	15	Ms.	Danyelle	Grant	Corporate Recruiting Manager	Fremont Bank	39150 Fremont Boulevard	Fremont
*	16	Mr.	Richard	Grotegut	Cisco Regional Academy Contact, Ohlone College	Ohlone College	43600 Mission Boulevard	Fremont
*	17	Ms.	Kathryn	Gunderson	Training Manger	Fremont Bank	39150 Fremont Boulevard	Fremont
*	18	Ms.	Barbara	Hart	Career Center Technician	James Logan High School	1800 H Street	Union City
*	19	Ms.	Jami	Hiller	Teacher	New Haven Adult School	600 G Street	Union City
*	20	Mr.	Allen	Jackson	Site Manager	Employment Development Department (EDD)	39155 Liberty Street, Suite B200	Fremont
*	21	Mr.	Sal	Jacquez	Instructor, Fire Science	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	22	Mr.	Rick	LaPlante	Public Relations Officer	New Haven Unified School District	34200 Alvarado Niles Road	Union City
*	23	Ms.	Lenora	Laughlin	Union City Police Sergeant / Instructor, MVROP	City of Union City Police Department	34009 Alvarado Niles Road	Union City
*	24	Mr.	Richard	Lawrence	CAD Instructor, James Logan/MVROP	James Logan High School	1800 H Street	Union City

Legend:	
*	= Attendees
	= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

	QTY	TITLE	FIRST NAME	LAST NAME	JOB TITLE	COMPANY	ADDRESS 1	CITY
*	25	Ms.	Patty	Lev	Dean of Academic Affairs	The Art Institute of California - Sunnyvale	1120 Kifer Road	Sunnyvale
*	26	Ms.	Mary	Lim	Workforce Development	Ohlone College	43600 Mission Boulevard	Fremont
*	27	Mr.	Gary	Marsh	Marketing Instructor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	28	Mr.	Ernest	Marsh	Business Development Consultant	Owens Electrical and Solar Business	3909 Stevenson Blvd #507	Fremont
*	29	Mr.	Bruce	Martin	Fire Chief	Fremont Fire Department	3300 Capital Avenue, Building B	Fremont
*	30	Mr.	Ray	McDonell	Instructor, Digital Sound Design	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	31	Mr.	Edward	Mullins	Vice President of Operations	Bay Area Industry Education Council	1260 B Street Suite 375	Hayward
*	32	Mr.	Randy	Murch	Sales Manager	Petersen Dean Roofing and Solar Systems	8220 Enterprise Drive	Newark
*	33	Mr.	Jim	Omlid	Coordinator	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	34	Mr.	Mark	Remelman	Scholarship Chairman	Fremont Elks Lodge Modern Mechanical Corporation (New Address as of Jan. 1, 2009 - 25619 Nickel Place, Hayward, CA 94545)	38991 Farwell Drive	Fremont
*	35	Ms.	Alicia	Rojas	Administrative Assistant		8240 Enterprise Drive	Newark
*	36	Mr.	Gordon	Sanford	Forensic Science Instructor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	37	Ms.	Susan	Seigert	Vice President	Modern Mechanical Corporation (New Address as of Jan. 1, 2009 - 25619 Nickel Place, Hayward, CA 94545)	8240 Enterprise Drive	Newark
*	38	Mr.	Corey	Shultz	Auto Technology Instructor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	39	Ms.	Kelli	Simmons	EKG Technician	Kaiser Permanente	27400 Hesperian Blvd	Hayward
*	40	Ms.	Jackie	Slabaugh	Tech Prep Director	Mission College	3000 Mission College Boulevard MS#1	Santa Clara
*	41	Mr.	Matt	Smith	VP of Curriculum and Instruction	James Logan High School	1800 H Street	Union City
*	42	Ms.	Kristee	Smith	Administrative Assistant	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	43	Mr.	Scott	Snyder	Primary EMT Instructor	San Francisco Paramedic Association	657 Mission Street, Suite 302	San Francisco
*	44	Mr.	Phil	Subasa	IT Supervisor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	45	Ms.	Margie	Trujillo	Coordinator, Adult Programs	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	46	Ms.	Joyce	Veasley	Accounting Instructor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	47	Ms.	Melanie	Wade	Principal	Fremont Adult School	4700 Calaveras Avenue	Fremont
*	48	Ms.	Carole	Wang	Fashion Designer	Carole Wang Studio LLC	2755 Country Dr., #246	Fremont
*	49	Mr.	Kenton	Wong	Senior Forensic Scientist	Forensic Analytical Sciences, Incorporated	3777 Depot Road, Suite 403	Hayward

Legend:	
*	= Attendees
=	Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	JOB TITLE	COMPANY	ADDRESS 1	CITY
*	50	Mr.	Jim	Wright	Vice President, Academic Affairs/Deputy Superintendent	Ohlone College	43600 Mission Boulevard Fremont
*	51	Ms.	Kim	Youngberg	Senior Accounting Technician	Mission Valley ROP	5019 Stevenson Boulevard Fremont
	52	Mr.	Hector	Albizo	Instructor, Computer Service Repair	Mission Valley ROP	5019 Stevenson Boulevard Fremont
	53	Ms.	Diane	Amrhein	Sears Northern California Human Resources	Sears	990 Detriot Avenue Concord
	54	Ms.	Lisa	Anderson	Vice President	SEMI Global Headquarters	3081 Zanker Road San Jose
	55	Mr.	Vahid	Aryana		Cinevision	37485 Fremont Boulevard, Suite C Fremont
	56	Ms.	Sue	Ayala	Cril		439 A Street Hayward
	57	Ms.	Mary	Baptista			39355 Drake Way Fremont
	58	Ms.	Cindy	Bonior	President & Chief Executive Officer	Fremont Chamber of Commerce	39488 Stevenson Place, Suite 100 Fremont
	59	Mr.	Brian	Caminada	Assistant Fire Chief	City of Newark Fire Department City Of Fremont - Office of Housing and Redevelopment	6170 Thornton Avenue # B Newark
	60	Ms.	Janis	Carey	Housing Counselor		39550 Liberty Street Fremont
	61	Ms.	Carolyn	Chavez	Instructor, Medical Assisting	Mission Valley ROP	5019 Stevenson Boulevard Fremont
	62	Mr.	Wilmer	Clark	Technical Manager	Sears	990 Detroit Avenue Concord
	63	Mr.	Glen	Colyer	Owner	Colyer's Appliance Automotive Joint Apprenticeship Committees of CA	30126 Mission Boulevard Hayward
	64	Mr.	Karl	Cortese	Senior Apprenticeship Coordinator		8130 Bladwin Street Oakland
	65	Ms.	Heather	Day	Sales Engineer	Pittsburgh-DesMoines Corp	3500 Bassett Street Santa Clara
	66	Ms.	Tina	Dodson	Director, Tri-Cities One Stop Career Center	Ohlone College	39399 Cherry Street, Room 1211 Newark
	67	Ms.	Paula	Evans	Consultant/Grant Writer	Castro Valley Adult School	4430 Alma Avenue Castro Valley
	68	Ms.	Sofiya	Farberov	Owner/CAD Drafter	APS Optics	42257 Troyer Avenue Fremont
	69	Mr.	Chris	Fowler	Installer	Gibbs Heating	P.O. Box 151063 San Rafael
	70	Mr.	Johnny	Gallon	Apprenticeship Coordinator	Boilermaker Union 549	2191 Piedmont Way Pittsburg
	71	Ms.	Jeanette	Gulledge		The Gap	2086 Newpark Mall Newark
	72	Ms.	Yvonka	Headley	Counselor	Ohlone College	43600 Mission Boulevard Fremont
	73	Ms.	Yasmin	Hosseinzadeh	Public Relations	The Art Institute of California - Sunnyvale	1120 Kifer Road Sunnyvale
	74	Mr.	Arthur	Hsieh	Chief Operating Officer	San Francisco Paramedic Association	657 Mission Street, Suite 302 San Francisco
	75	Dr.	Patel	JJ			1895 Mowry Avenue, #118B Fremont
	76	Ms.	Ushasri	Korimilli	Pharmacy Manager	Walgreens	41400 Blacow Road Fremont
	77	Mr.	Ram	Lal		Rama Video Production	44846 S. Grimmer Unit B Fremont

Legend:	
*	= Attendees
	= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	JOB TITLE	COMPANY	ADDRESS 1	CITY
78	Mr.	Ian	Lanouette	Scholarship Chairman	Fremont Elks Lodge #2121	38991 Farwell Drive	Fremont
79	Ms.	Ana	Lehmer	Asst Store Manager	JC Penney	500 Newpark Mall	Newark
80	Mr.	Charles	Martinek	President	Martinek Manufacturing	42650 Osgood Road	Fremont
81	Mr.	Roberto	Mendez	Director, Education Talent Search	Chabot College	25555 Hesperian Blvd	Hayward
82	Mr.	Qi	Meng	Senior Research Scientist	Bayer Health Care LLC	P.O. Box 2466	Fremont
83	Ms.	Elise	Nathanson	Student	Mission Valley ROP		
84	Ms.	Ana	Petruc-Naum	CAD Manager	Crosby Group	726 Main Street	Redwood City
85	Ms.	Suzy	Phillips	HR Manager	Tri-City Health Center	39500 Liberty Street	Fremont
86	Mr.	Dennis	Poirier	Inspector/Drafter	IMI, Incorporated	6167 Jarvis Avenue #165	Newark
87	Mr.	Bobby	Ram	Director, Global Community Relations	Sun Power Corporation	3939 North First Street	San Jose
88	Ms.	Maria	Rodarte			38623 Country Terrace	Fremont
89	Mr.	Cornelio	Ruperto	???	Mr. Appliance of East Bay	www.mrappliance.com/EastBay	
90	Mr.	Joselito	Ruperto	???	Mr. Appliance of East Bay	www.mrappliance.com/EastBay	
91	Mr.	Tim	Spergler	Business Owner	Rayit Home Improvement	3359 Churchill Court	Fremont
92	Mr.	Greg	Stewart	Chief of Police	Union City Police Department	34009 Alvarado-Niles Road	Union City
93	Ms.	Kimberly	Thompson	District HR Manager	Sears	5901 Sunrise Mall Drive	Citrus Heights
94	Dr.	Deborah	Turner	Deputy Director	Kidango	4533 Mattos Drive	Fremont
95	Ms.	Serena	Van Bommel	Fire Protection Engineer	Fire Tech, Incorporated	4075 Papazian Way #205	Fremont
96	Mr.	Sam	Ward	Owner	The Main Street Baking Company	22521 Main Street	Hayward
97	Mr.	Steve	Wartinger	Tool & Eqpt Dev Eng/Model Shop Supvr	Conceptus, Incorporated	331 East Evelyn Avenue	Mountain View
98	Ms.	Colleen	Weiler	Interior Designer	Gabriella Ronegas Designs, Incorporated	3018 Greenwood Drive	Fremont
99	Ms.	Margaret	Wilson	Student	Mission Valley ROP		
100	Mr.	Rick	Wong	Vice President of Finance & Administration	New Wave Research	48660 Kato Road	Fremont
101	Mr.	Boris	Zalan	Sr. CAD Engineer/IT	Thermal Mechanical, Incorporated	425 Aldo Avenue	Santa Clara
102	Mr.	Jose	Zapien	Business Manager	Laborers' Int'l Union of North America Local 304	29475 Mission Boulevard	Hayward
103	Mr.	Brad	Zielinski	Producer	Triggerfish	1069 Trappers Trail	Pebble Beach

Legend:

* = Attendees

= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	STATE	ZIP	PHONE	FAX	EMAIL	CLUSTER	REP TYPE
*	1	Ms.	Shelley	Adams	CA	94538 510-657-1865	510-438-0378	sadams@mvrop.org	n/a	Admin
*	2	Ms.	Allison	Aldinger	CA	94538 510-657-1865	510-438-0378	sadams@mvrop.org	n/a	Admin/Classified
*	3	Ms.	Barbara	Alexander	CA	94587 510-471-2520	510-471-0514	balexander@nhusd.k12.ca.us		
*	4	Dr.	Seth	Bates	CA	95192 408-924-3227				
*	5	Mr.	Charles	Brown	CA	94538 510-657-1865	510-438-0378	cbrown@mvrop.org	n/a	Admin
*	6	Mr.	Bill	Brunelli	CA	94536 510-794-1245				
*	7	Ms.	Tasha	Dean	CA	94587 510-471-1100	510-471-7108	tdean@nhusd.k12.ca.us		
*	8	Ms.	Marie	dela Cruz	CA	94538 510-657-1865	510-438-0378	mdelacruz@mvrop.org	n/a	Admin
*	9	Ms.	Tina	Dodson	CA	94560 510-742-2324		tdodson@ohlone.cc.ca.us		
*	10	Mr.	Steve	Evans	CA	95112		steve.northaire@sbcglobal.net	HVAC	Industry
*	11	Mr.	Joe	Feldman	CA	94587 510-471-1100 510-657-2350 x17700 or directly	510-471-7108			
*	12	Ms.	Therese	Gain	CA	94538 510-979-7700	510-438-9603	tgain@fremont.k12.ca.us		
*	13	Ms.	Colleen	Ganaye	CA	94560 510-490-8390				
*	14	Ms.	Nancy	George	CA	94587 510-489-2185	510-475-6958			
*	15	Ms.	Danyelle	Grant	CA	94538 510-505-5260				
*	16	Mr.	Richard	Grotegut	CA	94539 510-979-7479				
*	17	Ms.	Kathryn	Gunderson	CA	94538 510-505-5319				
*	18	Ms.	Barbara	Hart	CA	94587 510-471-2520	510-471-0514			
*	19	Ms.	Jami	Hiller	CA	94587 510-489-2185	510-475-6958			
*	20	Mr.	Allen	Jackson	CA	94538 510-794-3957		ajackso2@edd.ca.gov		
*	21	Mr.	Sal	Jacquez	CA	94538 510-657-1865	510-438-0378	sjacquez@mvrop.org	n/a	Instructor
*	22	Mr.	Rick	LaPlante	CA	94587 510-471-1100	510-471-7108			
*	23	Ms.	Lenora	Laughlin	CA	94587 510-471-1365	510-471-5974	lLaughlin@mvrop.org		
*	24	Mr.	Richard	Lawrence	CA	94587 510-471-2520	510-471-0514			

Legend:

* = Attendees

= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	STATE	ZIP	PHONE	FAX	EMAIL	CLUSTER	REP TYPE
*	25	Ms.	Patty	Lev	CA	94086 408-692-6421		plev@aii.edu		
*	26	Ms.	Mary	Lim	CA	94539 510-659-6000				
*	27	Mr.	Gary	Marsh	CA	94538 510-657-1865	510-438-0378	gmarsh@mvrop.org	n/a	Instructor
*	28	Mr.	Ernest	Marsh	CA	94538 510-366-1926		eamarsh@att.net		
*	29	Mr.	Bruce	Martin	CA	94537 510-494-4200				
*	30	Mr.	Ray	McDonell	CA	94538 510-657-1865	510-438-0378			
*	31	Mr.	Edward	Mullins	CA	94541 510-795-6488				
*	32	Mr.	Randy	Murch	CA	94560 510-494-9982		rmurch@petersendean.com		
*	33	Mr.	Jim	Omlid	CA	94538 510-657-1865	510-438-0378	jomlid@mvrop.org	n/a	Admin
*	34	Mr.	Mark	Remelman	CA	94536 510-797-2121				
*	35	Ms.	Alicia	Rojas	CA	94560 510-797-7923		aliciarojas81@yahoo.com		Industry
*	36	Mr.	Gordon	Sanford	CA	94538 510-657-1865	510-438-0378	gsanford@mvrop.org	n/a	Instructor
*	37	Ms.	Susan	Seigert	CA	94560 510-797-7923		susan888@sbcglobal.net		Industry
*	38	Mr.	Corey	Shultz	CA	94538 510-657-1865	510-438-0378	cshultz@mvrop.org	n/a	Instructor
*	39	Ms.	Kelli	Simmons	CA	94545 510-784-4598			Health & Medical	Industry
*	40	Ms.	Jackie	Slabaugh	CA	95054 408-855-5209				
*	41	Mr.	Matt	Smith	CA	94587 510-471-2520	510-471-0514	balexander@nhusd.k12.ca.us		
*	42	Ms.	Kristee	Smith	CA	94538 510-657-1865	510-438-0378	ksmith@mvrop.org	n/a	Classified
*	43	Mr.	Scott	Snyder	CA	94105 415-543-1161	415-543-0415			
*	44	Mr.	Phil	Subasa	CA	94538 510-657-1865	510-438-0378	psubasa@mvrop.org	n/a	Admin
*	45	Ms.	Margie	Trujillo	CA	94538 510-657-1865	510-438-0378	mtrujillo@mvrop.org	n/a	Admin
*	46	Ms.	Joyce	Veasley	CA	94538 510-657-1865	510-438-0378	jveasley@mvrop.org	n/a	Instructor
*	47	Ms.	Melanie	Wade	CA	94538 510-793-6465		mwade@fremont.k12.ca.us		
*	48	Ms.	Carole	Wang	CA	94536 510-791-8608			Fashion Merchandising	Industry
*	49	Mr.	Kenton	Wong	CA	94545 510-266-8100				

Legend:

* = Attendees

= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	STATE	ZIP	PHONE	FAX	EMAIL	CLUSTER	REP TYPE	
*	50	Mr.	Jim	Wright	CA	94539	510-659-6000				
*	51	Ms.	Kim	Youngberg	CA	94538	510-657-1865	510-438-0378	kyoungberg@mvrop.org	Fire Science	Parent/Classified
	52	Mr.	Hector	Albizo	CA	94538	510-657-1865	510-438-0378	halbizo@mvrop.org	n/a	Instructor
	53	Ms.	Diane	Amrhein	CA	94518	925-674-6007				
	54	Ms.	Lisa	Anderson	CA	95134	408-943-6918				
	55	Mr.	Vahid	Aryana	CA	94536		cinevision@mac.com	Video & Photography	Industry	
	56	Ms.	Sue	Ayala	CA	94541	510-881-5743				
	57	Ms.	Mary	Baptista	CA	94538	510-791-7060			Health & Medical	Student
	58	Ms.	Cindy	Bonior	CA	94539	510-795-2244 510-578-4251 Office / 510-693-				
	59	Mr.	Brian	Caminada	CA	94560	3915 Cell	Brian.Caminada@newark.org			
	60	Ms.	Janis	Carey	CA	94537	510-494-4511				
	61	Ms.	Carolyn	Chavez	CA	94538	510-657-1865	510-438-0378			
	62	Mr.	Wilmer	Clark	CA	94518	925-674-6007			HVAC	Industry
	63	Mr.	Glen	Colyer	CA	94544	510-471-7642			HVAC	Industry
	64	Mr.	Karl	Cortese	CA	94621	510-569-8450				
	65	Ms.	Heather	Day	CA	95054	408-892-7460	heather.day@sbcglobal.net			
	66	Ms.	Tina	Dodson	CA	94560	510-659-6000				
	67	Ms.	Paula	Evans	CA	94546	510-886-1000				
	68	Ms.	Sofiya	Farberov	CA	94539	510-656-9295	sofiyaz@yahoo.com	CAD	Industry	
	69	Mr.	Chris	Fowler	CA	94930	707-373-1958	jgallon@bmlocal549.org	HVAC	Industry	
	70	Mr.	Johnny	Gallon	CA	94565	925-427-0826	925-427-5980	jgallon@bmlocal549.org	Welding	
	71	Ms.	Jeanette	Gulledge	CA	94560	510-794-5523	jeanette.gulledge@gap.com	Fashion Merchandising	Industry	
	72	Ms.	Yvonka	Headley	CA	94539	510-659-6125				
	73	Ms.	Yasmin	Hosseinzadeh	CA	94086	408-962-6415				
	74	Mr.	Arthur	Hsieh	CA	94105	415-543-1161				
	75	Dr.	Patel	JJ	CA	94538	510-745-0307				
	76	Ms.	Ushasri	Korimilli	CA	94538	510-440-8927				
	77	Mr.	Ram	Lal	CA	94538	510-623-7262			Video & Photography	Industry

Legend:

* = Attendees

= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	STATE	ZIP	PHONE	FAX	EMAIL	CLUSTER	REP TYPE
78	Mr.	Ian	Lanouette	CA	94536	510-797-2121				
79	Ms.	Ana	Lehmer	CA	94560	510-796-6160		alehmer@jcpenny.com	Fashion Merchandising	Industry
80	Mr.	Charles	Martinek	CA	94539	510-438-0357				Industry
81	Mr.	Roberto	Mendez	CA	94545	510-723-7502				
82	Mr.	Qi	Meng	CA	94702	510-705-5951				
83	Ms.	Elise	Nathanson							
84	Ms.	Ana	Petruc-Naum	CA	94063	650-367-8100		ana@crosbygroup.com	CAD	Industry
85	Ms.	Suzy	Phillips	CA	94538	510-252-5888		sphillips@tric-cityhealth.orh		
86	Mr.	Dennis	Poirier	CA	94560	510-673-9404		dennis_poirier@yahoo.com	CAD	Industry
87	Mr.	Bobby	Ram	CA	95134	408-240-5500				
88	Ms.	Maria	Rodarte	CA	94536	510-456-5771			Health & Medical	Student
89	Mr.	Cornelio	Ruperto			510-487-8630				
90	Mr.	Joselito	Ruperto			510-487-8630				
91	Mr.	Tim	Spiegler	CA	94536	510-366-7609		timbird5@netzero.com		Industry
92	Mr.	Greg	Stewart	CA	94587	510-675-5251				
93	Ms.	Kimberly	Thompson	CA	95610	916-537-5570			HVAC	Industry
94	Dr.	Deborah	Turner	CA	94536	510-744-9280				
95	Ms.	Serena	Van Bommel	CA	94538	510-770-9830		serena@1firetech.com	CAD	Industry
96	Mr.	Sam	Ward	CA	94541	510-537-5850				
97	Mr.	Steve	Wartinger	CA	94041	650-962-4096		steve_wartinger@conceptus.com		
98	Ms.	Colleen	Weiler	CA	94536	510-792-3682	510-792-3687	colleen@gabriellaronegas.com		
99	Ms.	Margaret	Wilson							
100	Mr.	Rick	Wong	CA	94538	510-771-3887	510-656-1352	rwong@new-wave.com	Marketing/Business	Industry
101	Mr.	Boris	Zalan	CA	95054	408-988-8744 x48		bzakal@thermalmech.com	CAD	Industry
102	Mr.	Jose	Zapien	CA	94544	510-581-4681	510-581-3435	none		Industry
103	Mr.	Brad	Zielinski	CA	93953	408-836-4649				

Appendix A

Identification of the CTE Sequence of Courses

Appendix A

Course Sequences by Industry Sector

Draft Update April 13, 2009	Agriculture and Natural Resources - Suggested College Preparatory				
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math or othe	Other Math	California State University Degree Program
3	Health/Med Careers Introduction	ROP Medical Elective	ROP Medical Elective	ROP Capstone (2hr)	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE*	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE*	Mandarin/Spanish or other World Lang or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Anatomy and Physiology "g"	Anatomy and Physiology "g"	Veterinary Assistant (2hr)*	
			Biotechnology**		
			Medical Health Careers		
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	* Articulates to Foothill Community College
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	AA/AS Degree
3	Health/Med Careers Introduction	ROP Medical Elective	ROP Medical Elective	ROP Capstone (2hr)	Certified Veterinary Technician
4	Applied Physics/Biotech	Applied Physics/Biotechnology			60 Unit Transfer Program to CSU or UC
5	PE	World History	Chemistry/Physics	U.S. History/Government	Certificate Programs
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Anatomy and Physiology "g"	Medical Occupations (2hr)	Veterinary Assistant (2hr)*	
			Biotechnology** (2hr)		
		**Receives UC credit, Articulates to Community College			

Appendix A

Course Sequences by Industry Sector

	Suggested Career CTE/Community College Preparatory				
Class #	9	10	11	12	
1	English	English	English	English	<u>Ohlone College</u>
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	<u>AA/AS Degree</u>
3	Health/AME Introduction	ROP AME Elective	ROP AME Elective	ROP Capstone (2hr)	Audio Technician
4	Applied Physics/Biotech	Applied Physics/Biotechnology			Costuming
5	PE	World History	Chemistry/Physics	U.S. History/Government	Live Event Management
6	Digital Drawing/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	Moving Light Technician
					Stage Craft
	ROP Elective Courses	Digital Photography 1 "f"	Computer Graphic Design 1 (2hr)	Computer Graphic Design 1 (2hr)	Theatrical and TV Lighting Technician
			Digital Photography 2 "f"	Computer Graphic Design 2 (2hr)	Graphic Arts/Computer Graphics
			Computer Animation 1 (2hr)	Computer Animation 1 (2hr)	Multimedia
					Music
					60 Unit Transfer Program to CSU or UC
		Digital Video Arts Production 1	Digital Sound Design 1 (2hr)	Digital Sound Design 1 (2hr)	Certificate Programs
				Digital Sound Design 2 (2hr)	

Appendix A

Course Sequences by Industry Sector

		Building and Construction Trades Technology (BCT) - Suggested College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health/Industrial Introduction	ROP BCT Elective	ROP BCT Elective	ROP BCT Elective	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE*	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE*	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Woodworking Tech 1	Woodworking Tech 2	3-D Woodworking Art "f"	
				Construction Technology 1 (2hr)	
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	
3	Health/Business Introduction	ROP BCT Elective	ROP BCT Elective	ROP BCT Elective	
4	Applied Physics/Biotech	Applied Physics/Biotechnology			
5	PE	World History	Chemistry/Physics	U.S. History/Government	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses				
		Woodworking Tech 1	Construction Technology 1 (2hr)	Construction Technology 2 (2hr)	

Appendix A

Course Sequences by Industry Sector

	Energy and Utilities - Suggested College Preparatory				
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program California State University Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	
3	Health/Industrial Introduction	Energy Core Elective	ROP Energy and Utilities Elect	ROP Energy and Utilities Elect	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE*	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography* PE*		Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Intro to Energy Alternatives	Intro to Energy Alternatives	Alternative Fuels and Energy (2hr) Emerging Environmental Technology (2hr)	
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	
3	Health/Bus and Fin Introduction	ROP Energy and Utilities Elect	ROP Energy and Utilities Elect	ROP Energy and Utilities Elect	
4	Applied Physics/Biotech	Applied Physics/Biotechnology			
5	PE	World History	Chemistry/Physics	U.S. History/Government	
6	Computer Ops/Geography* PE		Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Intro to Energy Alternatives	Alternative Fuels and Energy (2hr) Emerging Environmental Technology (2hr)	Alternative Fuels and Energy (2hr) Emerging Environmental Technology (2hr)	

Appendix A Course Sequences by Industry Sector

		Engineering and Design Technology - Suggested College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health/Industrial Introduction	ROP Engineering Elective	ROP Engineering Elective	ROP Engineering Elective	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Course	Principles of Engineering	Biotechnical Engineering	Engineering Design and Development (2hr)	
	Intro to Engineering Design		Computer Integrated Manufacturing		
			Civil Engineering and Architecture		
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	<u>Mission College</u>
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	<u>AA/AS Degree</u>
3	Health/Industrial Introduction	ROP Engineering Elective	ROP Engineering Elective	ROP Engineering Elective	Engineering
4	Applied Physics/Biotech	Applied Physics/Biotechnology			
5	PE	World History	Chemistry/Physics	U.S. History/Government	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
					<u>60 Unit Transfer Program to CSU or UC</u>
	ROP Elective Course	Principles of Engineering	Biotechnical Engineering (2hr)	Engineering Design and Development (2hr)	<u>Certificate Programs</u>
	Intro to Engineering Design		Computer Integrated Manufacturing (2hr)		
			Civil Engineering and Architecture (2hr)		

Appendix A

Course Sequences by Industry Sector

		Fashion and Interior Design - Suggested College Preparatory				
Class #	9	10	11	12		
1	English	English	English	English	University of California Degree Program	
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program	
3	Health/Bus and Fin Introduction	Sales and Marketing Elective	ROP Fashion and Design Elective	ROP Fashion and Design Elective		
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics			
5	PE	World History	U.S. History/Government	Visual/Performing Arts		
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang		
	ROP Elective Courses	Fashion Merchandising 1	Fashion Merchandising 1*	Fashion Merchandising 1 (2hr)*		
			Fashion Design 2*			
		Interior Design 1				
			Interior Design 1			
			Interior Design 2	Interior Design 1 (2hr)		
				Cosmetology		
				Manicurist		
		Suggested Career CTE/Community College Preparatory				
Class #	9	10	11	12		
1	English	English	English	English		
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math		
3	Health/Bus and Fin Introduction	ROP Hospitality Elective	ROP Hospitality Elective	ROP Hospitality Elective		
4	Applied Physics/Biotech	Applied Physics/Biotechnology	Chemistry/Physics			
5	PE	World History	U.S. History/Government			
6	Computer Ops/Geography*	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang		
	ROP Elective Courses	Fashion Merchandising 1*	Fashion Merchandising 1 (2hr)*	Fashion Merchandising 1 (2hr)*	<u>Ohlone College</u>	
				Fashion Merchandising 2 (2hr)*	<u>AA/AS Degree</u>	
		Interior Design 1	Interior Design 1 (2hr)		<u>Interior Design</u>	
					<u>60 Unit Transfer Program to CSU or UC</u>	
				Interior Design 1 (2hr)	<u>Certificate Programs</u>	
				Interior Design 2 (2hr)		
				Cosmetology		
				Manicurist		
				*Articulates with Fashion Institute of Design and Merchandising (FIDM)		

Appendix A

Course Sequences by Industry Sector

Health, Science and Medical Technology - Suggested College Preparatory					
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health/Medical Careers	ROP Medical Elective	ROP Medical Elective	ROP Medical Elective	
4	Applied Physics/Biotech	Applied Physics/Biotechnology	Chemistry/Physics		
5	PE*	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE*	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Anatomy and Physiology "g"	Anatomy and Physiology "g"	Medical Assisting (2hr)	
				Biotechnology* "d"	
		Sports Therapy	Sports Therapy		
			SHAPE Seminar	Sports Psychology	
				Nurse Assistant (2hr)	
				Pharmacy Clerk 1 (2hr)	
				Sports Therapy (2hr)	
		*Receives UC credit, Articulates to Ohlone College			
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	<u>Ohlone College</u>
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	<u>AA/AS Degree</u>
3	Health/Medical Careers	ROP Medical Elective	ROP Medical Elective	ROP Medical Elective	Biology
4	Applied Physics/Biotech	Applied Physics/Biotechnology			Chemistry
5	PE	World History	Chemistry/Physics	U.S. History/Government	Geology
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	Physical Therapist Assistant
	ROP Elective Courses	Anatomy and Physiology "g"	Medical Assisting (2hr)	Medical Assisting (2hr)	Physics
			Medical Occupations (2hr)	Medical Occupations (2hr)	Registered Nurse
		Sports Therapy		Biotechnology* "d"	Respiratory Therapist
					60 Unit Transfer Program to CSU or UC Certificate Programs
			Nurse Assistant (2hr)	Nurse Assistant (2hr)	
			Pharmacy Clerk 1 (2hr)	Pharmacy Clerk 1 (2hr)	
			Sports Therapy (2hr)	Pharmacy Clerk 2 (2hr)	
				Sports Therapy (2hr)	
		*Receives UC credit, Articulates to Ohlone College			

Appendix A

Course Sequences by Industry Sector

		Information and Communication Technology (ICT)/Suggested College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health/Intro to ICT	ROP ICT Elective	ROP ICT Elective	ROP ICT Elective	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Computer Service Tech 1*	Computer Service Tech 1*	Computer Service Tech 1*	
			Computer Service Tech 2*	Computer Service Tech 2*	
				Computer Service Tech 3*	
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	Ohlone College
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	AA/AS Degree
3	Health/Intro to ICT	ROP ICT Elective	ROP ICT Elective	ROP ICT Elective	CISCO Certified Network Professional (Network +, CCNA, and CCNP)
4	Applied Physics/Biotech	Applied Physics/Biotechnology			
5	PE	World History	Chemistry/Physics	U.S. History/Government	Computer Engineering
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	Computer Science
	ROP Elective Courses	Computer Service Tech 1*	Computer Service Tech 1*	Computer Service Tech 1*	Computer Studies:Computer Programming (Internet/Web Programming)
			Computer Service Tech 2+	Computer Service Tech 2*	Computer Studies: Computer Programming (Software Development)
				Computer Service Tech 3*	Desktop Support Technician (A+, Server+, MCP)
					Network Administrator (Network+, MCP or UNIX, and CCNA)
					Unix/Linux Systems Administrator
				*Articulates with Ohlone and Mission College	60 Unit Transfer Program to CSU or UC Certificate Programs

Appendix A

Course Sequences by Industry Sector

	Manufacturing and Product Development (MPD) - Suggested College Preparatory				
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health*/Industrial Introduction	ROP MPD Elective	ROP MPD Elective	ROP MPD Elective	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Intro to Engineering	Intro to Engineering	Welding 1 (2hr)	
			CAD 1	CAD 1 (2hr)	
			Metal Sculpture 1	3-D Modeling	
			CAD 2	Metal Sculpture 2	
			Metals 2		
			Metal Sculpture		
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	Chabot College
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	AA/AS Degree
3	Health*/Industrial Introduction	ROP MPD Elective	ROP MPD Elective	ROP MPD Elective	Engineering
4	Applied Physics/Biotech	Applied Physics/Biotechnology	Chemistry/Physics	U.S. History/Government	Engineering Technology - Electronics
5	PE	World History	Chemistry/Physics	U.S. History/Government	Engineering Technology - Manufacturing
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	Machine Tool Technology
	ROP Elective Courses	Intro to Engineering	Welding 1 (2hr)	Welding 1 (2hr)	Welding Technology
			CAD 1 (2hr)	CAD 1 (2hr)	Mission College
			Engineering Technology (2hr)	Welding 2 (2hr)	AA/AS Degree
			3-D Modeling	CAD 2 (2hr)	Semiconductor Manufacturing Technician
				Engineering Technology (2hr)	Ohlone College
				3-D Modeling	AA/AS Degree
					Engineering
					60 Unit Transfer Program to CSU or UC
					Certificate Programs

Appendix A Course Sequences by Industry Sector

Public Services - Suggested College Preparatory					
Class #	9	10	11	12	
1	English	English	English	English	University of California Degree Program
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	California State University Degree Program
3	Health/Public Service Introduction	ROP Public Elective	ROP Public Elective	ROP Public Service Elective	
4	Physics/Biology	Biology/Chemistry	Chemistry/Physics		
5	PE	World History	U.S. History/Government	Visual/Performing Arts	
6	Computer Ops/Geography	PE	Mandarin/Spanish or other World Lang	Mandarin/Spanish or other World Lang	
	ROP Elective Courses	Law Enforcement 1***	Law Enforcement 1***	Law Enforcement 1***	
			Fire Science 1 (2hr)		
			Forensic Science 1 (2hr)** "g"	Fire Science/EMT (2hr)*	
				Forensic Science 1 (2hr)** "g"	
				Forensic Science 2 (2hr)	
		Suggested Career CTE/Community College Preparatory			
Class #	9	10	11	12	
1	English	English	English	English	Ohlone College
2	Algebra 1 or Geometry	Geometry or Algebra 2	Algebra 2 or other math	Other Math	AA/AS Degree
3	Health/Public Service Introduction	ROP Public Elective	ROP Public Service Elective	ROP Public Service Elective	Administration of Justice
4	Applied Physics/Biotech	Applied Physics/Biotechnology	World History	Chemistry/Physics	Chabot College
5	PE	PE	Mandarin/Spanish or other World Lang	U.S. History/Government	AA/AS Degree
6	Computer Ops/Geography	PE		Mandarin/Spanish or other World Lang	Fire Prevention Inspector
	ROP Elective Courses	Law Enforcement 1***	Law Enforcement 1***	Law Enforcement 1***	Fire Science Technology
			Fire Science 1 (2hr)	Fire Science/EMT (2hr)*	60 Unit Transfer Program to CSU or UC
			Forensic Science 1 (2hr)** "g"	Fire Technology Driver/Operator (2hr)	<u>Certificate Programs</u>
				Forensic Science 1 (2hr)** "g"	
				Forensic Science 2 (2hr)	
			UC credit	*Articulates to Ohlone College	
				*Partnership w/ SF Paramedic Association	

Appendix B

Articulation Agreements

**MISSION VALLEY ROP
Career Technical Training Center**

TECH PREP ARTICULATED COURSES

MVROP COURSE	COLLEGE COURSE	UNITS	APPROVAL DATE
--------------	----------------	-------	---------------

CHABOT / LAS POSITAS COLLEGES

Administration of Justice (1-year course, 180 hours)	Administration of Justice, AJ 50	4.0 units
Auto Tech Program + Bureau of Auto Repair Clean Air Course	Auto Technology, AT 55 (3 units) + AT 68 (5 units)	3.0 units & 5.0 units respectively
Computer Information Science Program (1-year course)	Intro. To Computer Information Systems, Computer Information Systems, CAS 50	3.0 units
Industrial Drafting/Computer Aided Drafting Program	Drafting Technology, DT 52, 62A, 62B, 66A	3.0 units
Careers with Children (1-year Program) + 2-year program in senior year	Early Childhood, ECD 64, 95, 96 + ECD 50	2.0 - 4.0 units
Fire Service Tech course	FST 50	
Marketing Ownership & Management course (2nd-year course)	Marketing, Bus 50	3.0 units
+		
1 semester supervised co-op experience (225 hours)	Bus 95, 96	4.0 units
+		
2 semesters supervised co-op experience	Bus 95, 96	8.0 units
+		
passing grade for Distribution Education Clubs of America General Marketing exam	Marketing 52 or Bus 59 (or Marketing 99.01)	
MA/HIT (Health Occupations course)	Orientation to Health Care Del. System, H50	2.0 units
MA/HIT (Medical Office Management course)	Basic Medical Terminology Health, H51A	4.0 units
MA/HIT (Medical Assisting course)	Medical Terminology Health, 51A (4.0 units); Orientation to Health Care Del. System, H50 (2.0 units)	4.0 units & 2.0 units respectively
Welding Program	Welding Tech, WT 61A, 61AL, 62A, 62AL,	3.0 units
Welding Program	Welding Tech, WT 67A, 67B	2.0 units
Word Processing (1-year course)	Business (Wordperfect) CAS 87	3.0 units

FIDM

Fashion Merchandising	FIDM will award up to 6.0 units of credit for GNST 130 (Color Theory) & GNST 117 (History of Costume) <u>if</u> History of Costume is a required GNST course in the student's major <u>or</u> if the student tests out of FIDM's remedial English class (GNST 080) and has a GNST elective to take in place of GNST 080.
-----------------------	--

**MISSION VALLEY ROP
Career Technical Training Center**

TECH PREP ARTICULATED COURSES

MVROP COURSE	COLLEGE COURSE	UNITS	APPROVAL DATE
--------------	----------------	-------	---------------

FOOTHILL COLLEGE

Veterinary Assistant Program, MVROP -VA	<p>Introduction to Veterinary Technology, VT 51 + 12.0 qtr. Units of college general education courses including but not limited to courses in Mathematics and Physical Sciences, Business and Social Sciences and Biology and Health Sciences with grades of "C" or better.</p> <p>The student must complete a written petition for equivalency with the veterinary technology program lead counselor, which must be approved by the FHC-VT program director and the Biological and Health Sciences Division Dean.</p> <p>The student is responsible for providing the following documents:</p> <ul style="list-style-type: none"> • High school transcript showing successful completion of the articulated course. • Proof of achievement competencies (Completed Individualized Training Plan, Classroom Competency and Site-based Competency Checklists). • Letter of recommendation from MVROP-VA director. 		
---	--	--	--

OHLONE COLLEGE

ARTS & MEDIA

Multimedia & Webpage	MM 102A		7/23/2003
TV Broadcast Technology	Broadcasting 141	4 units	1/22/2009
Web Design & Media	MM105	3 units	1/22/2009

EDUCATION

Careers in Education 1	ECS 300 & 195	6 units	1/22/2009
Careers in Education 2	ECS ___ + 195	4 units	approval pending

FINANCE & BUSINESS

Accounting Principles	BA 106	3 units	1/22/2009
Applied Excel	CAOT 193 A/B/C	0.5 units	1/22/2009
Business English/Correspondence	BA 116	4 units	1/22/2009
Business Math	BA123	3 units	1/22/2009

**MISSION VALLEY ROP
Career Technical Training Center**

TECH PREP ARTICULATED COURSES

MVROP COURSE	COLLEGE COURSE	UNITS	APPROVAL DATE
--------------	----------------	-------	---------------

OHLONE COLLEGE (contintued)

FINANCE & BUSINESS

Business Office Skills (keyboarding)	CAOT 104	1 unit	1/22/2009
Computerized Accounting using Quickbooks	BA 109B	1.5 units	1/22/2009
Merchandising/Marketing	BA 126	3 units	1/22/2009

HEALTH/HUMAN SERVICES

Administration of Justice	AJ 101	3 units	1/22/2009
Biotechnology	BIOT 105	3 units	approval pending
Sports/Phyiscal Therapy	KIN 257	4 units	1/22/2009

INFORMATION TECH

Computer Business Applications	CAOT 153	1 unit	1/22/2009
Information Communication Technology 1 & 2	CNET 105	4 units	1/22/2009
Information Communication Technology 3	CNET 155A or 154	4 units	1/22/2009
MS Windows/Internet	CAOT 153		5/6/2005

**MISSION VALLEY ROP
Career Technical Training Center**

TECH PREP ARTICULATED COURSES

MVROP COURSE	COLLEGE COURSE	UNITS	APPROVAL DATE
--------------	----------------	-------	---------------

MISSION COLLEGE

ARTS & MEDIA

Computer Graphics Design	GDES 035	3 units	11/1/2008
--------------------------	----------	---------	-----------

EDUCATION

Careers in Education	CHD001	3 units	11/1/2008
----------------------	--------	---------	-----------

FINANCE & BUSINESS

Business Ownership	Bus054	1 unit	11/1/2008
Merchandising & Marketing	Mkt. 056A	3 units	11/1/2008

HOSPITALITY, TOURISM, RECREATION

Culinary Arts/Basic Food Prep.	FDRST 051 - Basic Food Preparation	5 units	11/1/2008
--------------------------------	------------------------------------	---------	-----------

INFORMATION TECHNOLOGY

Discovery 1 Networking for Home & Small Business	CIT* 021/22/23/24	3 units	11/1/2008
Discovery 2 Working at Small to Medium Business or ISP	CIT* 021/22/23/24	3 units	11/1/2008
IT Essentials PC Hardware & Software	Network Hardware & Software CT* 012	4 units	11/1/2008

Appendix C

CTE Advisory Committee Roster

Legend:	
*	= Attendees
	= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	JOB TITLE	COMPANY	ADDRESS 1	CITY
*	1	Ms.	Shelley	Adams	Director of Educational Services	Mission Valley ROP	5019 Stevenson Boulevard Fremont
*	2	Ms.	Allison	Aldinger	PR Administrator	Mission Valley ROP	5019 Stevenson Boulevard Fremont
*	3	Ms.	Barbara	Alexander	Counselor	James Logan High School	1800 H Street Union City
*	4	Dr.	Seth	Bates	Professor, Materials and Manufacturing	Department of Aviation & Technology - College of Engineering, San Jose State University	One Washington Square San José
*	5	Mr.	Charles	Brown	Superintendent	Mission Valley ROP	5019 Stevenson Boulevard Fremont
*	6	Mr.	Bill	Brunelli	Operational Director	Central Cevrolet	4949 Thorton Avenue Fremont
*	7	Ms.	Tasha	Dean	Coordinator of Special Services	New Haven Unified School District	34200 Alvarado Niles Road Union City
*	8	Ms.	Marie	dela Cruz	Director of Business Services	Mission Valley ROP	5019 Stevenson Boulevard Fremont
*	9	Ms.	Tina	Dodson	Director	Tri-Cities One Stop Career Center	39899 Balentine Drive #220 Newark
*	10	Mr.	Steve	Evans	Operations Manager, North Aire Supply	Northaire Supply Company	1359 Old Oakland Road San Jose
*	11	Mr.	Joe	Feldman	Director of Secondary Education	New Haven Unified School District	34200 Alvarado Niles Road Union City
*	12	Ms.	Therese	Gain	Director of Facilities	Fremont Unified School District	4210 Technology Drive Fremont
*	13	Ms.	Colleen	Ganaye	Journey Ambassador	Hilton Hotel	39900 Balentine Drive Newark
*	14	Ms.	Nancy	George	Principal	New Haven Adult School	600 G Street Union City
*	15	Ms.	Danyelle	Grant	Corporate Recruiting Manager	Fremont Bank	39150 Fremont Boulevard Fremont
*	16	Mr.	Richard	Grotegut	Cisco Regional Academy Contact, Ohlone College	Ohlone College	43600 Mission Boulevard Fremont
*	17	Ms.	Kathryn	Gunderson	Training Manger	Fremont Bank	39150 Fremont Boulevard Fremont
*	18	Ms.	Barbara	Hart	Career Center Technician	James Logan High School	1800 H Street Union City
*	19	Ms.	Jami	Hiller	Teacher	New Haven Adult School	600 G Street Union City
*	20	Mr.	Allen	Jackson	Site Manager	Employment Development Department (EDD)	39155 Liberty Street, Suite B200 Fremont
*	21	Mr.	Sal	Jacquez	Instructor, Fire Science	Mission Valley ROP	5019 Stevenson Boulevard Fremont
*	22	Mr.	Rick	LaPlante	Public Relations Officer	New Haven Unified School District	34200 Alvarado Niles Road Union City
*	23	Ms.	Lenora	Laughlin	Union City Police Sergeant / Instructor, MVROP	City of Union City Police Department	34009 Alvarado Niles Road Union City
*	24	Mr.	Richard	Lawrence	CAD Instructor, James Logan/MVROP	James Logan High School	1800 H Street Union City

Legend:	
*	= Attendees
	= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

	QTY	TITLE	FIRST NAME	LAST NAME	JOB TITLE	COMPANY	ADDRESS 1	CITY
*	25	Ms.	Patty	Lev	Dean of Academic Affairs	The Art Institute of California - Sunnyvale	1120 Kifer Road	Sunnyvale
*	26	Ms.	Mary	Lim	Workforce Development	Ohlone College	43600 Mission Boulevard	Fremont
*	27	Mr.	Gary	Marsh	Marketing Instructor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	28	Mr.	Ernest	Marsh	Business Development Consultant	Owens Electrical and Solar Business	3909 Stevenson Blvd #507	Fremont
*	29	Mr.	Bruce	Martin	Fire Chief	Fremont Fire Department	3300 Capital Avenue, Building B	Fremont
*	30	Mr.	Ray	McDonell	Instructor, Digital Sound Design	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	31	Mr.	Edward	Mullins	Vice President of Operations	Bay Area Industry Education Council	1260 B Street Suite 375	Hayward
*	32	Mr.	Randy	Murch	Sales Manager	Petersen Dean Roofing and Solar Systems	8220 Enterprise Drive	Newark
*	33	Mr.	Jim	Omlid	Coordinator	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	34	Mr.	Mark	Remelman	Scholarship Chairman	Fremont Elks Lodge Modern Mechanical Corporation (New Address as of Jan. 1, 2009 - 25619 Nickel Place, Hayward, CA 94545)	38991 Farwell Drive	Fremont
*	35	Ms.	Alicia	Rojas	Administrative Assistant		8240 Enterprise Drive	Newark
*	36	Mr.	Gordon	Sanford	Forensic Science Instructor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	37	Ms.	Susan	Seigert	Vice President	Modern Mechanical Corporation (New Address as of Jan. 1, 2009 - 25619 Nickel Place, Hayward, CA 94545)	8240 Enterprise Drive	Newark
*	38	Mr.	Corey	Shultz	Auto Technology Instructor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	39	Ms.	Kelli	Simmons	EKG Technician	Kaiser Permanente	27400 Hesperian Blvd	Hayward
*	40	Ms.	Jackie	Slabaugh	Tech Prep Director	Mission College	3000 Mission College Boulevard MS#1	Santa Clara
*	41	Mr.	Matt	Smith	VP of Curriculum and Instruction	James Logan High School	1800 H Street	Union City
*	42	Ms.	Kristee	Smith	Administrative Assistant	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	43	Mr.	Scott	Snyder	Primary EMT Instructor	San Francisco Paramedic Association	657 Mission Street, Suite 302	San Francisco
*	44	Mr.	Phil	Subasa	IT Supervisor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	45	Ms.	Margie	Trujillo	Coordinator, Adult Programs	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	46	Ms.	Joyce	Veasley	Accounting Instructor	Mission Valley ROP	5019 Stevenson Boulevard	Fremont
*	47	Ms.	Melanie	Wade	Principal	Fremont Adult School	4700 Calaveras Avenue	Fremont
*	48	Ms.	Carole	Wang	Fashion Designer	Carole Wang Studio LLC	2755 Country Dr., #246	Fremont
*	49	Mr.	Kenton	Wong	Senior Forensic Scientist	Forensic Analytical Sciences, Incorporated	3777 Depot Road, Suite 403	Hayward

Legend:	
*	= Attendees
=	Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	JOB TITLE	COMPANY	ADDRESS 1	CITY
*	50	Mr.	Jim	Wright	Vice President, Academic Affairs/Deputy Superintendent	Ohlone College	43600 Mission Boulevard Fremont
*	51	Ms.	Kim	Youngberg	Senior Accounting Technician	Mission Valley ROP	5019 Stevenson Boulevard Fremont
	52	Mr.	Hector	Albizo	Instructor, Computer Service Repair	Mission Valley ROP	5019 Stevenson Boulevard Fremont
	53	Ms.	Diane	Amrhein	Sears Northern California Human Resources	Sears	990 Detroit Avenue Concord
	54	Ms.	Lisa	Anderson	Vice President	SEMI Global Headquarters	3081 Zanker Road San Jose
	55	Mr.	Vahid	Aryana		Cinevision	37485 Fremont Boulevard, Suite C Fremont
	56	Ms.	Sue	Ayala	Cril		439 A Street Hayward
	57	Ms.	Mary	Baptista			39355 Drake Way Fremont
	58	Ms.	Cindy	Bonior	President & Chief Executive Officer	Fremont Chamber of Commerce	39488 Stevenson Place, Suite 100 Fremont
	59	Mr.	Brian	Caminada	Assistant Fire Chief	City of Newark Fire Department City Of Fremont - Office of Housing and Redevelopment	6170 Thornton Avenue # B Newark
	60	Ms.	Janis	Carey	Housing Counselor		39550 Liberty Street Fremont
	61	Ms.	Carolyn	Chavez	Instructor, Medical Assisting	Mission Valley ROP	5019 Stevenson Boulevard Fremont
	62	Mr.	Wilmer	Clark	Technical Manager	Sears	990 Detroit Avenue Concord
	63	Mr.	Glen	Colyer	Owner	Colyer's Appliance Automotive Joint Apprenticeship Committees of CA	30126 Mission Boulevard Hayward
	64	Mr.	Karl	Cortese	Senior Apprenticeship Coordinator		8130 Bladwin Street Oakland
	65	Ms.	Heather	Day	Sales Engineer	Pittsburgh-DesMoines Corp	3500 Bassett Street Santa Clara
	66	Ms.	Tina	Dodson	Director, Tri-Cities One Stop Career Center	Ohlone College	39399 Cherry Street, Room 1211 Newark
	67	Ms.	Paula	Evans	Consultant/Grant Writer	Castro Valley Adult School	4430 Alma Avenue Castro Valley
	68	Ms.	Sofiya	Farberov	Owner/CAD Drafter	APS Optics	42257 Troyer Avenue Fremont
	69	Mr.	Chris	Fowler	Installer	Gibbs Heating	P.O. Box 151063 San Rafael
	70	Mr.	Johnny	Gallon	Apprenticeship Coordinator	Boilermaker Union 549	2191 Piedmont Way Pittsburg
	71	Ms.	Jeanette	Gulledge		The Gap	2086 Newpark Mall Newark
	72	Ms.	Yvonka	Headley	Counselor	Ohlone College	43600 Mission Boulevard Fremont
	73	Ms.	Yasmin	Hosseinzadeh	Public Relations	The Art Institute of California - Sunnyvale	1120 Kifer Road Sunnyvale
	74	Mr.	Arthur	Hsieh	Chief Operating Officer	San Francisco Paramedic Association	657 Mission Street, Suite 302 San Francisco
	75	Dr.	Patel	JJ			1895 Mowry Avenue, #118B Fremont
	76	Ms.	Ushasri	Korimilli	Pharmacy Manager	Walgreens	41400 Blacow Road Fremont
	77	Mr.	Ram	Lal		Rama Video Production	44846 S. Grimmer Unit B Fremont

Legend:	
*	= Attendees
	= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	JOB TITLE	COMPANY	ADDRESS 1	CITY
78	Mr.	Ian	Lanouette	Scholarship Chairman	Fremont Elks Lodge #2121	38991 Farwell Drive	Fremont
79	Ms.	Ana	Lehmer	Asst Store Manager	JC Penney	500 Newpark Mall	Newark
80	Mr.	Charles	Martinek	President	Martinek Manufacturing	42650 Osgood Road	Fremont
81	Mr.	Roberto	Mendez	Director, Education Talent Search	Chabot College	25555 Hesperian Blvd	Hayward
82	Mr.	Qi	Meng	Senior Research Scientist	Bayer Health Care LLC	P.O. Box 2466	Fremont
83	Ms.	Elise	Nathanson	Student	Mission Valley ROP		
84	Ms.	Ana	Petruc-Naum	CAD Manager	Crosby Group	726 Main Street	Redwood City
85	Ms.	Suzy	Phillips	HR Manager	Tri-City Health Center	39500 Liberty Street	Fremont
86	Mr.	Dennis	Poirier	Inspector/Drafter	IMI, Incorporated	6167 Jarvis Avenue #165	Newark
87	Mr.	Bobby	Ram	Director, Global Community Relations	Sun Power Corporation	3939 North First Street	San Jose
88	Ms.	Maria	Rodarte			38623 Country Terrace	Fremont
89	Mr.	Cornelio	Ruperto	???	Mr. Appliance of East Bay	www.mrappliance.com/EastBay	
90	Mr.	Joselito	Ruperto	???	Mr. Appliance of East Bay	www.mrappliance.com/EastBay	
91	Mr.	Tim	Spergler	Business Owner	Rayit Home Improvement	3359 Churchill Court	Fremont
92	Mr.	Greg	Stewart	Chief of Police	Union City Police Department	34009 Alvarado-Niles Road	Union City
93	Ms.	Kimberly	Thompson	District HR Manager	Sears	5901 Sunrise Mall Drive	Citrus Heights
94	Dr.	Deborah	Turner	Deputy Director	Kidango	4533 Mattos Drive	Fremont
95	Ms.	Serena	Van Bommel	Fire Protection Engineer	Fire Tech, Incorporated	4075 Papazian Way #205	Fremont
96	Mr.	Sam	Ward	Owner	The Main Street Baking Company	22521 Main Street	Hayward
97	Mr.	Steve	Wartinger	Tool & Eqpt Dev Eng/Model Shop Supvr	Conceptus, Incorporated	331 East Evelyn Avenue	Mountain View
98	Ms.	Colleen	Weiler	Interior Designer	Gabriella Ronegas Designs, Incorporated	3018 Greenwood Drive	Fremont
99	Ms.	Margaret	Wilson	Student	Mission Valley ROP		
100	Mr.	Rick	Wong	Vice President of Finance & Administration	New Wave Research	48660 Kato Road	Fremont
101	Mr.	Boris	Zalan	Sr. CAD Engineer/IT	Thermal Mechanical, Incorporated	425 Aldo Avenue	Santa Clara
102	Mr.	Jose	Zapien	Business Manager	Laborers' Int'l Union of North America Local 304	29475 Mission Boulevard	Hayward
103	Mr.	Brad	Zielinski	Producer	Triggerfish	1069 Trappers Trail	Pebble Beach

Legend:

* = Attendees

= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	STATE	ZIP	PHONE	FAX	EMAIL	CLUSTER	REP TYPE
*	1	Ms.	Shelley	Adams	CA	94538 510-657-1865	510-438-0378	sadams@mvrop.org	n/a	Admin
*	2	Ms.	Allison	Aldinger	CA	94538 510-657-1865	510-438-0378	sadams@mvrop.org	n/a	Admin/Classified
*	3	Ms.	Barbara	Alexander	CA	94587 510-471-2520	510-471-0514	balexander@nhusd.k12.ca.us		
*	4	Dr.	Seth	Bates	CA	95192 408-924-3227				
*	5	Mr.	Charles	Brown	CA	94538 510-657-1865	510-438-0378	cbrown@mvrop.org	n/a	Admin
*	6	Mr.	Bill	Brunelli	CA	94536 510-794-1245				
*	7	Ms.	Tasha	Dean	CA	94587 510-471-1100	510-471-7108	tdean@nhusd.k12.ca.us		
*	8	Ms.	Marie	dela Cruz	CA	94538 510-657-1865	510-438-0378	mdelacruz@mvrop.org	n/a	Admin
*	9	Ms.	Tina	Dodson	CA	94560 510-742-2324		tdodson@ohlone.cc.ca.us		
*	10	Mr.	Steve	Evans	CA	95112		steve.northaire@sbcglobal.net	HVAC	Industry
*	11	Mr.	Joe	Feldman	CA	94587 510-471-1100 510-657-2350 x17700 or directly	510-471-7108			
*	12	Ms.	Therese	Gain	CA	94538 510-979-7700	510-438-9603	tgain@fremont.k12.ca.us		
*	13	Ms.	Colleen	Ganaye	CA	94560 510-490-8390				
*	14	Ms.	Nancy	George	CA	94587 510-489-2185	510-475-6958			
*	15	Ms.	Danyelle	Grant	CA	94538 510-505-5260				
*	16	Mr.	Richard	Grotegut	CA	94539 510-979-7479				
*	17	Ms.	Kathryn	Gunderson	CA	94538 510-505-5319				
*	18	Ms.	Barbara	Hart	CA	94587 510-471-2520	510-471-0514			
*	19	Ms.	Jami	Hiller	CA	94587 510-489-2185	510-475-6958			
*	20	Mr.	Allen	Jackson	CA	94538 510-794-3957		ajackso2@edd.ca.gov		
*	21	Mr.	Sal	Jacquez	CA	94538 510-657-1865	510-438-0378	sjacquez@mvrop.org	n/a	Instructor
*	22	Mr.	Rick	LaPlante	CA	94587 510-471-1100	510-471-7108			
*	23	Ms.	Lenora	Laughlin	CA	94587 510-471-1365	510-471-5974	lLaughlin@mvrop.org		
*	24	Mr.	Richard	Lawrence	CA	94587 510-471-2520	510-471-0514			

Legend:

* = Attendees

= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	STATE	ZIP	PHONE	FAX	EMAIL	CLUSTER	REP TYPE
*	25	Ms.	Patty	Lev	CA	94086 408-692-6421		plev@aii.edu		
*	26	Ms.	Mary	Lim	CA	94539 510-659-6000				
*	27	Mr.	Gary	Marsh	CA	94538 510-657-1865	510-438-0378	gmarsh@mvrop.org	n/a	Instructor
*	28	Mr.	Ernest	Marsh	CA	94538 510-366-1926		eamarsh@att.net		
*	29	Mr.	Bruce	Martin	CA	94537 510-494-4200				
*	30	Mr.	Ray	McDonell	CA	94538 510-657-1865	510-438-0378			
*	31	Mr.	Edward	Mullins	CA	94541 510-795-6488				
*	32	Mr.	Randy	Murch	CA	94560 510-494-9982		rmurch@petersendean.com		
*	33	Mr.	Jim	Omlid	CA	94538 510-657-1865	510-438-0378	jomlid@mvrop.org	n/a	Admin
*	34	Mr.	Mark	Remelman	CA	94536 510-797-2121				
*	35	Ms.	Alicia	Rojas	CA	94560 510-797-7923		aliciarojas81@yahoo.com		Industry
*	36	Mr.	Gordon	Sanford	CA	94538 510-657-1865	510-438-0378	gsanford@mvrop.org	n/a	Instructor
*	37	Ms.	Susan	Seigert	CA	94560 510-797-7923		susan888@sbcglobal.net		Industry
*	38	Mr.	Corey	Shultz	CA	94538 510-657-1865	510-438-0378	cshultz@mvrop.org	n/a	Instructor
*	39	Ms.	Kelli	Simmons	CA	94545 510-784-4598			Health & Medical	Industry
*	40	Ms.	Jackie	Slabaugh	CA	95054 408-855-5209				
*	41	Mr.	Matt	Smith	CA	94587 510-471-2520	510-471-0514	balexander@nhusd.k12.ca.us		
*	42	Ms.	Kristee	Smith	CA	94538 510-657-1865	510-438-0378	ksmith@mvrop.org	n/a	Classified
*	43	Mr.	Scott	Snyder	CA	94105 415-543-1161	415-543-0415			
*	44	Mr.	Phil	Subasa	CA	94538 510-657-1865	510-438-0378	psubasa@mvrop.org	n/a	Admin
*	45	Ms.	Margie	Trujillo	CA	94538 510-657-1865	510-438-0378	mtrujillo@mvrop.org	n/a	Admin
*	46	Ms.	Joyce	Veasley	CA	94538 510-657-1865	510-438-0378	jveasley@mvrop.org	n/a	Instructor
*	47	Ms.	Melanie	Wade	CA	94538 510-793-6465		mwade@fremont.k12.ca.us		
*	48	Ms.	Carole	Wang	CA	94536 510-791-8608			Fashion Merchandising	Industry
*	49	Mr.	Kenton	Wong	CA	94545 510-266-8100				

Legend:

* = Attendees

= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	STATE	ZIP	PHONE	FAX	EMAIL	CLUSTER	REP TYPE	
*	50	Mr.	Jim	Wright	CA	94539	510-659-6000				
*	51	Ms.	Kim	Youngberg	CA	94538	510-657-1865	510-438-0378	kyoungberg@mvrop.org	Fire Science	Parent/Classified
	52	Mr.	Hector	Albizo	CA	94538	510-657-1865	510-438-0378	halbizo@mvrop.org	n/a	Instructor
	53	Ms.	Diane	Amrhein	CA	94518	925-674-6007				
	54	Ms.	Lisa	Anderson	CA	95134	408-943-6918				
	55	Mr.	Vahid	Aryana	CA	94536		cinevision@mac.com	Video & Photography	Industry	
	56	Ms.	Sue	Ayala	CA	94541	510-881-5743				
	57	Ms.	Mary	Baptista	CA	94538	510-791-7060			Health & Medical	Student
	58	Ms.	Cindy	Bonior	CA	94539	510-795-2244 510-578-4251 Office / 510-693-				
	59	Mr.	Brian	Caminada	CA	94560	3915 Cell	Brian.Caminada@newark.org			
	60	Ms.	Janis	Carey	CA	94537	510-494-4511				
	61	Ms.	Carolyn	Chavez	CA	94538	510-657-1865	510-438-0378			
	62	Mr.	Wilmer	Clark	CA	94518	925-674-6007			HVAC	Industry
	63	Mr.	Glen	Colyer	CA	94544	510-471-7642			HVAC	Industry
	64	Mr.	Karl	Cortese	CA	94621	510-569-8450				
	65	Ms.	Heather	Day	CA	95054	408-892-7460	heather.day@sbcglobal.net			
	66	Ms.	Tina	Dodson	CA	94560	510-659-6000				
	67	Ms.	Paula	Evans	CA	94546	510-886-1000				
	68	Ms.	Sofiya	Farberov	CA	94539	510-656-9295	sofiyaz@yahoo.com	CAD	Industry	
	69	Mr.	Chris	Fowler	CA	94930	707-373-1958	jgallon@bmlocal549.org	HVAC	Industry	
	70	Mr.	Johnny	Gallon	CA	94565	925-427-0826	925-427-5980	jgallon@bmlocal549.org	Welding	
	71	Ms.	Jeanette	Gulledge	CA	94560	510-794-5523	jeanette.gulledge@gap.com	Fashion Merchandising	Industry	
	72	Ms.	Yvonka	Headley	CA	94539	510-659-6125				
	73	Ms.	Yasmin	Hosseinzadeh	CA	94086	408-962-6415				
	74	Mr.	Arthur	Hsieh	CA	94105	415-543-1161				
	75	Dr.	Patel	JJ	CA	94538	510-745-0307				
	76	Ms.	Ushasri	Korimilli	CA	94538	510-440-8927				
	77	Mr.	Ram	Lal	CA	94538	510-623-7262			Video & Photography	Industry

Legend:

* = Attendees

= Member of Industry

**Mission Valley ROP and New Haven Unified School District
CTE Advisory Committee Meeting
Tuesday, October 14, 2008**

QTY	TITLE	FIRST NAME	LAST NAME	STATE	ZIP	PHONE	FAX	EMAIL	CLUSTER	REP TYPE
78	Mr.	Ian	Lanouette	CA	94536	510-797-2121				
79	Ms.	Ana	Lehmer	CA	94560	510-796-6160		alehmer@jcpenny.com	Fashion Merchandising	Industry
80	Mr.	Charles	Martinek	CA	94539	510-438-0357				Industry
81	Mr.	Roberto	Mendez	CA	94545	510-723-7502				
82	Mr.	Qi	Meng	CA	94702	510-705-5951				
83	Ms.	Elise	Nathanson							
84	Ms.	Ana	Petruc-Naum	CA	94063	650-367-8100		ana@crosbygroup.com	CAD	Industry
85	Ms.	Suzy	Phillips	CA	94538	510-252-5888		sphillips@tric-cityhealth.orh		
86	Mr.	Dennis	Poirier	CA	94560	510-673-9404		dennis_poirier@yahoo.com	CAD	Industry
87	Mr.	Bobby	Ram	CA	95134	408-240-5500				
88	Ms.	Maria	Rodarte	CA	94536	510-456-5771			Health & Medical	Student
89	Mr.	Cornelio	Ruperto			510-487-8630				
90	Mr.	Joselito	Ruperto			510-487-8630				
91	Mr.	Tim	Spiegler	CA	94536	510-366-7609		timbird5@netzero.com		Industry
92	Mr.	Greg	Stewart	CA	94587	510-675-5251				
93	Ms.	Kimberly	Thompson	CA	95610	916-537-5570			HVAC	Industry
94	Dr.	Deborah	Turner	CA	94536	510-744-9280				
95	Ms.	Serena	Van Bommel	CA	94538	510-770-9830		serena@1firetech.com	CAD	Industry
96	Mr.	Sam	Ward	CA	94541	510-537-5850				
97	Mr.	Steve	Wartinger	CA	94041	650-962-4096		steve_wartinger@conceptus.com		
98	Ms.	Colleen	Weiler	CA	94536	510-792-3682	510-792-3687	colleen@gabriellaronegas.com		
99	Ms.	Margaret	Wilson							
100	Mr.	Rick	Wong	CA	94538	510-771-3887	510-656-1352	rwong@new-wave.com	Marketing/Business	Industry
101	Mr.	Boris	Zalan	CA	95054	408-988-8744 x48		bzakal@thermalmech.com	CAD	Industry
102	Mr.	Jose	Zapien	CA	94544	510-581-4681	510-581-3435	none		Industry
103	Mr.	Brad	Zielinski	CA	93953	408-836-4649				