



# The Tech Prep Connection

## Newsletter

Student Parents Educators Business and Industry Labor

### Welcome

Greetings from the world of Tech Prep and the North Central Counties School to Career Consortium (NCCSCC)! As the 2007-2008 academic year progresses Tech Prep continues to provide services that enable students to get a jump start on their college education.

Currently there are 33 course articulations established with area high schools/ROPs. For Fall 2007, Tech Prep served 1,800 secondary students, with 1,400 students enrolling in the Tech Prep Program.

In collaboration with the NCCSCC and Yuba Community College District, Tech Prep looks forward to continuing to service the area high schools/ROPs throughout the consortium while providing opportunities for students to succeed in the pursuit of advancing their education and training at the community college level.

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### Tech Prep Feature

#### How Many College Graduates Does the U.S. Labor Force Really Need?

Conventional wisdom has it that the demand for workers with college degrees is growing rapidly in the United States (U.S.) and will escalate. On average, people who earn college degrees and other postsecondary certification are paid more than people who do not—a lot more.

There is a definite need for college educated workers in the U.S. The quality and quantity of higher education available is critical to the nation's future economic well-being - which makes it important that we gain a clear understanding of how many students colleges and universities need to educate, and with what skills and knowledge.

Data pertaining to the labor market and projected job needs can be found on the U.S. Bureau of Labor Statistics (BLS) website. The site is a source of easily accessible data about the nation's occupational outlook, providing information for more than 750 occupations. Additionally, the BLS website provides lists that detail "fastest-growing" occupations and the occupations with the "largest job growth" projected for specific periods.

Source: Excerpts from *Change Magazine* Jan/Feb 2008, by Paul E. Barton

#### 10 Fastest-Growing Occupations 2004-2014

- Home health aides
- Network systems/data communications analyst
- Medical assistants
- Physician assistants
- Computer software engineers, applications
- Physical therapist assistants
- Dental hygienists
- Computer software engineers, systems software
- Dental assistants
- Personal and home care aides

#### 10 Occupations with Largest Job Growth 2004-2014

- Retail salesperson
- Registered nurses
- Postsecondary teachers
- Customer service representatives
- Janitors and cleaners
- Waiters and waitresses
- Combined food prep/serving workers
- Home health aides
- Nursing aides, orderlies, and attendants
- General and operations managers

Source: US Dept of Labor, Bureau of Labor Statistics

# Pathways to Careers



## AGRICULTURE

- ◆ Agri-Business
- ◆ Agricultural Mechanics
- ◆ Animal Science
- ◆ Forestry & Natural Resources
- ◆ Ornamental Horticulture
- ◆ Plant & Soil Science



## BUSINESS

- ◆ Accounting & Finance
- ◆ Business Management
- ◆ Computer Information Systems
- ◆ Entrepreneurship
- ◆ Marketing



## ARTS, MEDIA, & ENTERTAINMENT

- ◆ Visual Arts
- ◆ Performing Arts
- ◆ Written Arts



## ENGINEERING TECHNOLOGY

- ◆ Chemical Engineering
- ◆ Electrical Engineering
- ◆ Civil Engineering
- ◆ Mechanical Engineering



## HEALTH CAREERS

- ◆ Dental Services
- ◆ Diagnostic Services
- ◆ Health Care Information Services
- ◆ Medical Office Services
- ◆ Nursing Services
- ◆ Preventive & Community Services
- ◆ Support Services
- ◆ Therapeutic Services



## HOME ECONOMICS TECHNOLOGY

- ◆ Consumer Services
- ◆ Family & Human Services
- ◆ Food Service & Hospitality
- ◆ Fashion Design
- ◆ Food Sciences, Dietetics & Nutrition
- ◆ Hospitality, Tourism & Recreation
- ◆ Interior Design
- ◆ Child Development & Education



## INDUSTRIAL & TECHNOLOGY

- ◆ Energy & Transportation
- ◆ Manufacturing
- ◆ Electronic Technology
- ◆ Graphic Communication
- ◆ Construction
- ◆ Drafting Technology



## PUBLIC & HUMAN SERVICES

- ◆ Public Services & Safety
- ◆ Human & Social Services
- ◆ Education

SUCCESS • EDUCATION • GOALS  
SKILLS • POSSIBILITIES • FOCUS  
TIME LEARNING  
RESPECT IDENTITY  
DREAM CONTROL  
MOTIVATION LIFE  
UNIQUENESS • DETERMINATION  
KNOWLEDGE • ACHIEVEMENTS

## AGRICULTURE

Agriculture is California's most important economic industry. Almost ten percent of today's professional jobs in agriculture go unfilled. As the demand increases for agricultural products, so does the demand for qualified individuals in the agricultural industry.

## ARTS, ENTERTAINMENT, & MEDIA

The Arts allow us to connect to ourselves and our culture while gaining an understanding of the diverse and multi-cultural dimensions of our world. Studying for careers in the Arts, Media and Entertainment pathway fosters growth, inventiveness, and problem solving.

## BUSINESS

Business skills will be essential for any business to operate efficiently. Demands increase for occupations in Information Technology, Accounting and Finance, and overall management.

## ENGINEERING

If engineering or engineering technology is the career path that leads to the job of your dreams, now is the best time to begin your journey!

Career Pathways  
lead to  
Success

## HEALTH CAREERS

A Prescription for Success. The opportunities and benefits offered by the health care industry are numerous, with more than 300 different careers from which to choose.

## HOME ECONOMICS CAREERS & TECHNOLOGY

Students gain a headstart in the job market by preparing for hundreds of career fields in this pathway. These exciting careers combine technical and scientific product knowledge with leadership skills.

## INDUSTRIAL & TECHNOLOGY

Work is an important part of everyone's life. Whether that work is meaningful, satisfying and gratifying or "just a job" is the difference between a fulfilling life and one that may be routine. Industrial and Technology Education prepares you for life and for a worthwhile career in a world that needs your best efforts.

## PUBLIC & HUMAN SERVICES

If you like helping others, consider entering a fulfilling career in Public & Human Services. From preschool teachers to police officers, safety inspectors to social workers, there are many opportunities available that are as challenging as they are rewarding.

### Career Pathway Results ...

Helps students see the skills & knowledge they develop in school

Offers opportunities for students of all academic ranges

Helps students learn about broad career pathway options

Assists students in developing meaningful educational plans

## WHAT IS ARTICULATION?

- Articulation is a process of linking 2 or more education systems to help students make a smooth transition from high school to college without experiencing a delay or duplication of learning
- Articulation is envisioned as a continuum of skills which may lead to advanced placement
- A guiding principle of articulation is that no student should be required to repeat the same course content for which credit was received



## Career Exploration Links...

- Who Do U Want 2 B  
<http://www.whodouwant2b.com>
- Occupational Outlook Handbook  
<http://www.bls.gov/oco/home.htm>
- Vocational Information Center  
<http://www.khake.com/page2.html>
- Career Exploration: The Personal Side of Work  
<http://www.jobprofiles.org>
- Bureau of Labor Statistics Career Information  
<http://www.bls.gov/k12>
- CareerOneStop: Pathways to Career Success  
<http://www.acinet.org/explore/View.aspx>

## WHAT ARTICULATION DOES FOR STUDENTS



- Minimizes needless course duplication, thus reducing costs for the students
- Allows students to receive college credit
- Provides more incentive for students to continue their education
- Encourages enrollment in articulated high school and ROP curricula
- Assists in student transition from high school to college
- Shows relationship between school and how education is associated with the real world
- Increases self-confidence and prepares students for higher education
- Gives students a more positive attitude about school

## WHAT ARTICULATION DOES FOR STAFF & FACULTY

- Provides high schools/ROPs with first hand knowledge of the articulated community college programs
- Provides the college staff with first hand knowledge of the articulated high school, ROP, and adult programs
- Establishes an integrated program to encourage continued education
- Provides increased cooperation, understanding, and respect among articulated instructors of the secondary and post secondary institutions
- Demonstrates to instructors that how/what they are teaching is connected with all levels of education

\*Adapted from State Center Consortium website





### Tech Prep Connection

Yuba Community College District  
Newsletter

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Yuba Community College District  
2088 North Beale Road  
Marysville, CA 95901  
Tech Prep Office  
Tel: (530) 634-7785  
Fax: (530) 749-3824  
e-mail: techprep@yccd.edu  
www.yccd.edu/techprep

Watch for upcoming  
Tech Prep Articulation  
Workshops!

## Tech Prep Student Alert !!!

### Reminders:

- ◆ Check articulation agreement for course requirements
- ◆ Complete articulation requirements
- ◆ Instructors will submit grades
- ◆ Qualified students will receive credit on an unofficial transcript and a congratulatory letter

## Student Testimonials...

“Tech Prep was great, I got the experience and received the credits that allowed me to continue on with ECE courses at Yuba College. I am currently working at an elementary school and completing additional courses to complete my degree in Early Childhood Education. I got all the information need to get in college and a job set up. It also helped me realize that working with children is something I wanted to do.”

- Alexis Pack, Early Childhood Education Tech Prep student

“The program was my “foot in the door” to the Vet Tech Program. Without the help or knowledge of the program I wouldn’t know where to start. It started with ROP and receiving credits from Tech Prep. Currently, I am in my last semester of the Vet Tech Program at Yuba College and have been working in a Vet hospital for the past 3 years. I think very highly of the Tech Prep Program.”

- Amber Anderson, Veterinary Program Tech Prep student

“Good experience that taught me a lesson in planning and organizing myself. The Tech Prep process of receiving credits was very simple. I was already thinking about college, but getting the credits before I went to college gave me an advantage prior to attending college.”

- Jackeline Aguilar, Early Childhood Education Tech Prep student

## Career Discoveries Word Search...

T C F E K H T W U J Q D E M S E U R G P  
 N I H Z T V S I I T H E T X R U D S V Y  
 D H D L H W P Q R W A T P U H C M M F W  
 O D A E K V L X J N X A T R Q G G K R W  
 R E S V R O C O K D K L R O P L N C W M  
 H K W S P C L F T K U U R V P R Y D S C  
 I N J W E B E E Z C R C V O N U D Q U L  
 K X B T L C J G I D F I R C T E B W N E  
 B D G N V V C R E L N T N A W U Z L X H  
 A N Q Q S Q G U F L G R X T S O U W I V  
 W Z G A T A E E S U L A X I V K W N L C  
 E N G I N E E R I N G O N O L O M S F T  
 N X Y T S N D Q K J A E C N U Y C Z R C  
 H N D A E H A T E G S S J V H T E M Q I  
 H O M E E C K N B S V Y W B U F R W B F  
 Y G O L O N H C E T L A I R T S U D N I  
 B K Q I N X T P G A P E A V A U T C O P  
 W Y F N X P A P R C W X R D E Y U H R Z  
 K L B R H E P Q Q E R V T E X L F X B C  
 S Z N R Z G P D Z O P H S N N B P K Z L

AGRICULTURE  
 ARTICULATED  
 ARTS  
 BUSINESS  
 COLLEGE CREDIT  
 ENGINEERING  
 FUTURE  
 GET AHEAD

HEALTH  
 HOME EC  
 INDUSTRIAL TECHNOLOGY  
 PUBLIC  
 SUCCESS  
 TECH PREP  
 VOCATION