



WORKFORCE INVESTMENT BOARD OF VENTURA COUNTY

MANUFACTURING COMMITTEE MEETING

Wednesday, June 10, 2015

8:00 a.m.-9:30 a.m.

VCCF Nonprofit Center (Board Room)
4001 Mission Oaks Blvd., Camarillo

AGENDA

8:00 a.m.	1.0 Call to Order and Agenda Review	Bill Pratt
8:02 a.m.	2.0 Public Comments <u>Procedure:</u> The public is welcome to comment. All comments not related to items on the agenda may be made at the beginning of the meeting only.	Bill Pratt
8:05 a.m.	3.0 Committee Chair Comments	Bill Pratt
8:08 a.m.	4.0 Approval of Minutes: April 8, 2015	Bill Pratt
	5.0 Ventura County Regional Strategic Workforce Development Plan	
8:10 a.m.	• Manufacturing Roundtable of Ventura County: Update	Byron Lindros
8:20 a.m.	• AMP SoCal Pillar Committees: Update	Jason Miller
8:25 a.m.	• VC STEM Regional Network: Update	Phil Hampton
8:30 a.m.	• Deputy Sector Navigator: Manufacturing: Update	Larry McLaughlin
8:35 a.m.	• Career Pathways—Manufacturing Career Ladders	Wendy Trafton
9:15 a.m.	6.0 Workforce Innovation and Opportunity Act: July 1, 2015	Cheryl Moore
9:20 a.m.	7.0 Manufacturing Committee 2015-2016 Meeting Calendar	Talia Barrera
9:25 a.m.	8.0 Committee Member Comments	Committee Members
9:30 a.m.	9.0 Adjournment	Bill Pratt

Next Meeting
Date TBD

Individuals who require accommodations for their disabilities (including interpreters and alternate formats) are requested to contact the Workforce Investment Board of Ventura County staff, at (805) 477-5306, at least five days prior to the meeting. TTY line: 1-800-735-2922.

For information about the Workforce Investment Board of Ventura County go to <http://www.wib.ventura.org>



WIB Manufacturing Committee Meeting
April 8, 2015

MINUTES

Meeting Attendees

Committee Members

Bill Pratt*
Tavi Udrea*
Vic Anselmo*
Mark Fegley*
Jason Miller
Subhash Karkare
Tiffany Morse
Alex Rivera*
Scot Rabe
Marybeth Jacobsen

Guests

Cameron Bruce (Naval Air Warfare Center Weapons Division, US Navy)
Lisa Ellard (Evolving Resources)
Fred Garcia (Community Services Department/WIA)
Hillary Howard (VC Innovates)
Brad Hudson (Congresswoman Julia Brownley)
Larry McLaughlin (Deputy Sector Navigator College of the Canyons)
Tom Nielsen (Association for Unmanned Vehicle Systems International)
Celine Park (VC Innovates)

**WIB Members*

WIB Staff

Talia Barrera
Terri Duke
Cheryl Moore

1.0 Call to Order and Agenda Review

Chair Bill Pratt called the meeting to order at 8:09 a.m. No changes were made to the agenda.

2.0 Public Comments

No public comments

3.0 Committee Chair Comments

Bill Pratt welcomed Larry McLaughlin to the committee.

4.0 Approval of Minutes: February 11, 2014

Motion to approve: Alex Rivera
Second: Mark Fegley
Abstain: Bill Pratt
Motion approved

5.0 Ventura County Regional Strategic Workforce Development Plan

- Advanced Manufacturing Partnership for Southern California (AMP SoCal)

Jason Miller provided an update on the AMP SoCal Pillar Committees. The role of the Pillar Committees is to convene key stakeholders, examine the trends of the respective industrial ecosystem pillar, and make recommendations to the AMP SoCal Executive Council. Additionally, Pillar Committees will review the progress of AMP SoCal implementation Strategy Working Groups quarterly. Pillar Committees include (Workforce and Training, Supplier Networks, Research and Innovation, Infrastructure and Site Development, Trade and

International Development, and Operations Improvement and Capital Access). Dr. Miller shared the activities and opportunities that are being discussed in the Research & Innovation Pillar Committee.

- Manufacturing Readiness Skills Curriculum Development

Scot Rabe reported progress on curriculum development at the community college level, noting that efforts also are underway for higher-level program development by the Research Center at the University of California, Irvine. Mr. Rabe described the work being done to write two courses that will incorporate hydraulics, mechatronics, pneumatics, and he commented that the colleges recognize the importance of 3D printing and quality control.

- Biomedical Device Manufacturing Certificate

Subhash Karkare announced that students may enroll at Moorpark College and/or Ventura College to take courses leading to the certificate. The first cohort of students is expected to be awarded certificates in May 2015. Committee members suggested it would be a good idea to share a list of local employers who can hire those students who receive the certificate.

- VC Stem Network Grant

Cheryl Moore commented on the recent Amgen Foundation grant to support California State University, Channel Islands (CSUCI) on a new VC STEM project. Led by Phil Hampton (CSUCI) and supported by the P-20 Council as a Ventura County steering committee, this project will plan and implement Science, Technology, Engineering, and Math (STEM) regional networking to enhance K-16 education in Ventura County, with an initial focus on elementary and middle schools.

- Deputy Sector Navigator: Manufacturing Update

Larry McLaughlin announced that a new community college regional study will gather data directly from employers to determine what manufacturing jobs are in demand in different regions of the state. There will be a taskforce from industry that will be established to identify occupations and connect education and training. Larry will continue to provide updates to the committee as the project develops and might seek input from committee members.

- Career Pathways

Tiffany Morse provided an update on the regional VC *Innovates* initiative. Industry liaisons have been hired and will start connecting with businesses to provide students the opportunity to have job shadowing, internships, on-the-job-training, summer internships, and site tours. VC *Innovates* also has created a dinner series, *Entrée to Employment*, where businesses, educators, and students can discuss career opportunities in different sectors.

6.0 Mechatronics in the County

Bill Cunneen provided information to the committee regarding the importance of engineering education to the economic vitality of Ventura County. He explained the current educational posture within the three Navy Warfare Centers and the impact on other job creators in the region. With the high employer demand for engineering talent in the county, Mr. Cunneen is working with different organizations to develop youth awareness and interest in engineering courses. He emphasized the importance of training middle school and high school students in robotics and science, and engineering.

7.0 Transition from WIA to WIOA

Cheryl Moore commented on the new Workforce Innovation and Opportunity Act (WIOA). WIOA will focus on aligning federal and state workforce development programs and support services with sector, regional, economic development and training and education initiatives. Among the changes when WIOA takes effect on July 1, 2015, will be a transition from the current Workforce Investment Board (WIB) to the new Workforce Development Board (WDB) designation.

8.0 Committee Member Comments

No comments

9.0 Adjournment

Bill Pratt adjourned the meeting at 9:30 a.m.

Next Meeting

June 10, 2015 (8:00 a.m.-9:30 a.m.)

VCCF Nonprofit Center

4001 Mission Oaks, Blvd., Camarillo, CA

CALIFORNIA COMMUNITY COLLEGE
CAREER TECHNICAL EDUCATION

what sparks your interest?

IDENTIFY INTERESTS | EXPLORE EDUCATION | CONSIDER CAREERS

Find out what you can do NOW to prepare for the hot jobs of tomorrow...

prepare now

ONCE YOU KNOW WHAT SPARKS YOUR INTEREST, TAKE
CAREER TECHNICAL EDUCATION, ROP AND COMMUNITY
COLLEGE CLASSES LEADING TO YOUR CAREER PATH

CAREER TECHNICAL EDUCATION

Ventura County Career Education Center

465 Horizon Circle
Camarillo, CA 93010
(805) 437-1420

COMMUNITY COLLEGES

Moorpark College

7075 Campus Road
Moorpark, CA 93021
(805) 378-1400
<http://www.moorparkcollege.edu/>

Oxnard College

4000 South Rose Avenue
Oxnard, CA 93033
(805) 986-5800
<http://www.oxnardcollege.edu/>

Ventura College

4667 Telegraph Road
Ventura, CA 93003
(805) 289-6000
<http://www.venturacollege.edu/>

ADULT EDUCATION

Conejo Valley Adult School

1025 Old Farm Road
Thousand Oaks, CA 91360
(805) 497-2761
<http://www.conejoadultschool.org/>

Oxnard Adult School

1101 West 2nd Street
Oxnard, CA 93030
(805) 385-2578
<http://www.oxnardadulthood.us/>

Simi Valley Adult School and Career Institute

1880 Blackstock Avenue
Simi Valley, CA 93065
(805) 579-6200
<http://www.simi.tec.ca.us/>

Ventura Adult and Continuing Education

5200 Valentine Road
Ventura, CA 93003
(805) 289-7925
<http://www.vace.com/>



www.vcinnovates.org



Ventura County Jobs Landscape

Current Situation and Perspective
Education Opportunities
Future Trends
By
Bill Cunneen

April 8, 2015

Navy is the Largest Employer

- The Demographic Situation
- Three Navy Warfare Centers in NBVC
- Available Solutions
- Current Educational Posture
- Promising Developments Evolving
- National Defense Systems Engineering
- Impact on Other Job Creators

Current Source of Engineers

- Southern & Central California Sources of Engineering Education
- Ventura County Sources of Engineering Education
- United States Sources of Engineering Education
- Relocation to Ventura County & Retention of Imported Hirees

Organic Growth Versus Importation

- Promising Population of Middle School and High School Students Involved in Career Education Center Programs
- Robotics Clubs
- Air Academy
- Course Articulation Between Schools
- Science Technology Engineering & Mathematics (STEM) Emphasis Growing

Ventura County School Landscape

- CSU Channel Islands Planned Expansion into Mechatronics
- CLU Emphasis on Computer Science and Interest in Engineering Course Development
- Community College Trends and Plans
- County School Districts and Career Education including Adult Education

Future of Local Navy Careers

- Major Projects Being Pursued
- Addressing the Demographic Deficiency
- Pay Scales for Navy Engineers
- Impact on Ventura County Economy

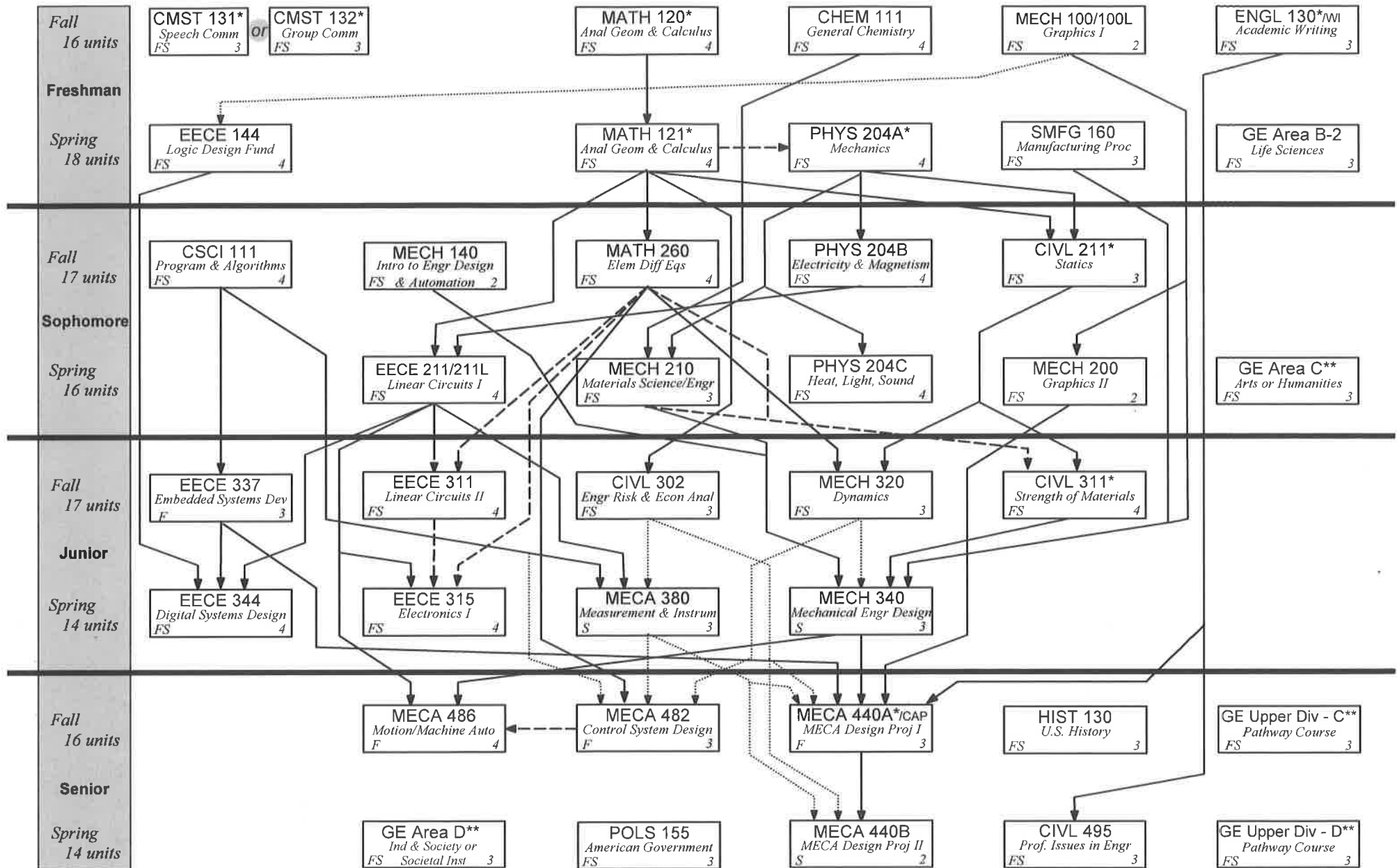
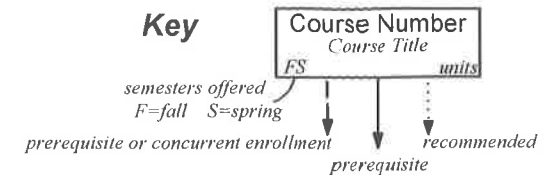
Mechatronic Engineering

Major Academic Plan

Flowchart Format

University Catalog 2013-2014

Key



130611

www.csuchico.edu/mmeme

* C- minimum grade required.

** One U.S. Diversity course, one Global Cultures course, and two Writing Intensive (WI) courses are required.

WI - GE Writing Intensive Course
CAP - GE Capstone/WI Course

Career Technical Education Curriculum Redesign

credit and not-for-credit pathways

flexible competency-based instructional delivery with an integrated learning management system

Advanced Skills Education and Training

Associate Degree General Education Courses

Natural Science

Social/Behavioral

Humanities

Language/Rational

Health/PE

Career Pathway Certificates or Degrees

Automotive

Diesel

Hybrids

Aviation

Transportation

Computers

Solar/Wind Energies

Construction

Medical Equip Tech

Water Science

Technologies

Machining/CNC/CAM

Welding

Mechatronics

Drafting/CAD

Manufacturing

Common Curriculum: Entry Level Career Pathways (MATH)

Safety

Basic Skills

Principles of Tech

Tools/Machines

Employability

Reference/Prints

Business Essentials

Career Exploration



Manufacturing & Engineering Career Pathways

Production

Industrial Production Manager
\$95,858
Bachelor's degree

Commercial or Industrial Designer
\$88,960
Bachelor's degree

Semiconductor Processor
\$36,846
Associate's Degree

Manufacturing Production Technician
\$79,399
Vocational

Computer Machine Tool Programmer
\$62,390
HS Diploma

Supervisor of Production Workers
\$57,806
HS Diploma

Tool & Die Maker
\$56,586
HS diploma

Elec Repairer, Commercial & Industrial Equipment
\$60,528
Vocational

Industrial Machinery Mechanic
\$52,386,
HS Diploma

Structural Metal Fabricator or Fitter
\$44,399
HS diploma

Welding Machine Setter or Operator
\$41,949
HS diploma

Electromechanical Equipment Assembler
\$32,679
HS diploma

Machinists
\$39,896
HS Diploma

Welder, Cutter, Solderer, or Brazier
\$38,158
HS diploma

Inspector or Tester
\$37,456
HS diploma

Painting, Coating or Decorating Worker
\$36,257
HS diploma

Computer Machine Tool Operator
\$35,484
HS Diploma

Metal Pourer or Caster
\$30,229
HS diploma

Metal & Plastic Machine Tool Setter or Operator (Drilling, Cutting, Extruding, Grinding, Turning, Milling, Coating)
\$31,093 - 35,108
HS diploma

Assembler or Fabricator
\$30,036
HS diploma

Team Assembler
\$28,837
HS diploma

Packaging & Filling Machine Operator
\$25,167
HS diploma

Engineering

Engineering Manager
\$159,172
Bachelor's degree

Industrial Engineer
\$93,918
Bachelor's degree

Electrical Engineer
\$95,961
Bachelor's degree

Mechanical Engineer
\$94,980
Bachelor's degree

Materials Engineer
\$90,680
Bachelor's degree

Elec Engineering Technician
\$ 72,064
Associate's degree

Mechanical Engineering Tech
\$65,640
Associate's degree

Electrical & Electronics Drafter
\$55,179
Associate's degree

Electro-Mechanical Technician
\$52,559
Associate's degree

Mechanical Drafter
\$51,881
Associate's degree

Industrial Engineering Tech
\$50,485
Associate's degree

Trending profession

- Occupation and wage data taken from the Occupational Employment Statistics survey by the US Department of Labor released June 2014.
- Salary data is mean annual salary specific to the Oxnard-Thousand Oaks-Ventura MSA, CA, when available, or to the state of CA.
- Trending jobs data SB1070 Career Pathways grant, the Deputy Sector Navigators in the Doing What Matters framework, and the California Community College Center of Excellence
- Educational data from O*NET OnLine by the U.S. Department of Labor.

2015-2016 MEETING CALENDAR
Workforce Development Board of Ventura County (WDB) and WDB Committees

	WORKFORCE DEVELOPMENT BOARD	EXECUTIVE COMMITTEE	CLEAN/GREEN COMMITTEE	HEALTHCARE COMMITTEE	MANUFACTURING COMMITTEE	MEMBERSHIP COMMITTEE	OUTREACH COMMITTEE	RESOURCE DEVELOPMENT COMMITTEE	YOUTH COUNCIL
JULY 2015									
AUGUST 2015									
SEPTEMBER 2015									
OCTOBER 2015									
NOVEMBER 2015									
DECEMBER 2015									
<u>Locations</u> EDC-VC = Economic Development Collaborative of Ventura County, 1601 Carmen Drive, #215, Camarillo HSA = Human Services Agency, 855 Partridge Drive, Ventura VCCF = Ventura County Community Foundation, 4001 Mission Oaks Blvd., Camarillo VCOE = Ventura County Office of Education, 5100 Adolfo Road, Camarillo								CANCELED	RE-SCHEDULED
								NEW	CHANGED

2015-2016 MEETING CALENDAR
Workforce Development Board of Ventura County (WDB) and WDB Committees

	WORKFORCE DEVELOPMENT BOARD	EXECUTIVE COMMITTEE	CLEAN/GREEN COMMITTEE	HEALTHCARE COMMITTEE	MANUFACTURING COMMITTEE	MEMBERSHIP COMMITTEE	OUTREACH COMMITTEE	RESOURCE DEVELOPMENT COMMITTEE	YOUTH COUNCIL
JANUARY 2016									
FEBRUARY 2016									
MARCH 2016									
APRIL 2016									
MAY 2016									
JUNE 2016									
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								NEW	CHANGED