



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF EDUCATION
LANSING

MICHAEL P. FLANAGAN
STATE SUPERINTENDENT

Welcome



Dear Conference Participant:

On behalf of the Michigan Department of Education, Office of Career and Technical Education and the Conference Planning Committee, welcome to the 2015 Michigan Career Education Conference.

The conference theme, *CTE: Learning that works for Michigan*, reflects the important mission of career and technical education (CTE) in preparing students for future careers that contribute to workforce and economic development in our state. CTE is helping to meet the challenges of student academic achievement, career and college readiness, and global competitiveness. Career preparation, through CTE courses, provides opportunities for students to begin thinking about the world of work. Through rigorous academic and technical preparation, relevant work-based learning opportunities, and the supportive relationships of educators and families, students are better positioned to steer toward college and careers.

A warm welcome is extended to our featured speakers, Dr. Paul Hernandez, Kirk Wyers, and Ben Glenn. We look forward to hearing their words of wisdom and the insights they will share with us.

Congratulations to the **Excellence in Practice Award** winners for their outstanding career and technical education programs. These exemplary programs are “best practices” in preparing our students for careers that align and articulate with postsecondary education, professional and technical careers, and future employment.

Please take advantage of the speakers, breakout sessions, and exhibits to share ideas, network, and learn from each other.

Best wishes for a rewarding professional development experience. Enjoy the conference!

Cordially,

Patty Cantú, Director
Office of Career and Technical Education

STATE BOARD OF EDUCATION

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STATE OF MICHIGAN



CERTIFICATE OF PROCLAMATION

ON BEHALF OF THE PEOPLE OF MICHIGAN

I, Rick Snyder, governor of Michigan, do hereby proclaim
February, 2015

**CAREER AND TECHNICAL
EDUCATION MONTH**

WHEREAS, career and technical education is a valuable learning opportunity offered in most high schools, area career and technical centers, community and technical colleges, and other postsecondary institutions throughout Michigan; and,

WHEREAS, career and technical education provides students with leadership opportunities in various fields, and allows them to experience practical and meaningful application of basic reading, writing, and mathematical skills; and,

WHEREAS, career and technical education serves as a "school-to-careers" connection and is the backbone of a strong and well-educated workforce; and,

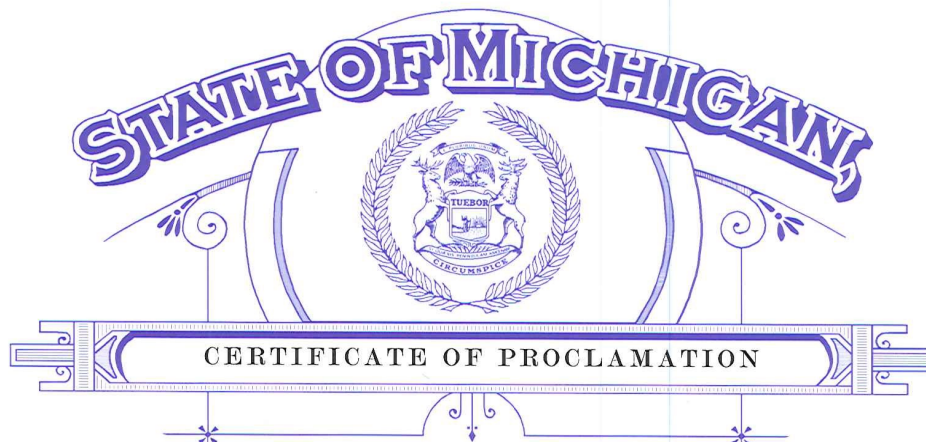
WHEREAS, career and technical education provides students with work-based learning experiences and soft-skills training; and,

WHEREAS, during this month, we join with the Michigan Department of Education and the Association for Career and Technical Education to encourage both youth and adults in Michigan to learn more about career and technical education, and to recognize the significance of career and technical education to ensuring Michigan students are career and college ready;

NOW, THEREFORE, I, Rick Snyder, governor of Michigan, do hereby proclaim February 2015 as Career and Technical Education Month in Michigan.


Rick Snyder
Governor





ON BEHALF OF THE PEOPLE OF MICHIGAN
I, Rick Snyder, governor of Michigan, do hereby proclaim
February 18-25, 2015

ENTREPRENEURSHIP WEEK

WHEREAS, more than 70 percent of young Americans envision starting a business or doing something entrepreneurial as adults; and,

WHEREAS, entrepreneurship is critical to success in the workplace and in communities as it brings ideas, creativity and innovation to life and drives economic growth on local, state and national levels; and,

WHEREAS, entrepreneurship encourages job creation and is a vital part of Michigan's reinvention and continued growth; and,

WHEREAS, during this week and as we work toward a better Michigan, we encourage youth and all citizens throughout the state to explore innovative ways in which entrepreneurship education can bring together the core academic, technical and problem solving skills essential for the success of our state's future entrepreneurs; and,

WHEREAS, the National Governors Association encourages connecting education to economic growth industries, recognizing that entrepreneurship and small business creation are the growth engines of any economy;

NOW, THEREFORE, I, Rick Snyder, governor of Michigan, do hereby proclaim Saturday, February 18 through Saturday, February 25, 2015 as Entrepreneurship Week in Michigan.



Rick Snyder
Governor



Table of Contents

General Information	1
Amway Grand Plaza and Grand Rapids Information	2
Conference Sponsors	3
Excellence in Practice Awards	4
Acknowledgements	6
10 Things You Can Do To Help Promote CTE	7
2014 Conference Top 20 Sessions	8
Conference at a Glance	10
Personal Schedule	11
Sessions at a Glance	12
State Continuing Education Clock Hour Information (SCECHs)	16
Monday Concurrent Session Descriptions (Sessions A-B-C)	17
Tuesday Concurrent Session Descriptions (Sessions D-E-F)	26
Exhibitors	35
Presenter Directory	36
Office of Career and Technical Education, MDE Directory	40
Quick Reference Guide for Secondary CTE Programs	41
Minor Work Permits in Michigan Fact Sheet	43
Community College Services Fact Sheet	47
Community College Services Directory	49
Postsecondary Perkins Contacts	50
Facility Maps	54

This program is accurate as of press time. Please check the message board and/or addendum for program updates and announcements.

Session seating is filled on a first-serve basis. Please select one or two alternate sessions in each time slot in the event that your first choice session is full. For the safety of all attendees, we must observe maximum capacity regulations.

General Information

Badges

Michigan Career Conference badges must be worn at all times during the scheduled conference hours, not only as a courtesy to other registrants, but as an indication that your registration has been completed. Name badges are required for entry into all sessions and meal events during the conference.

Color Guard

The color guard is provided by the Kent Career Technical Center Criminal Justice Honor Guard Battalion. They are instructed by Gregg Isenhoff, Instructor and Kelly Bowers, Assistant Instructor.

State Continuing Education Clock Hours (SCECHs) or Graduate Credits

Conference participants may earn State Continuing Education Clock Hours or graduate credits. To be eligible for SCECHs, attendees must complete the SCECH application and pay a \$10.00 application fee prior to the start of the conference. Applications are available at the registration desk. **To receive SCECHs, you must attend a minimum of three hours of eligible sessions and receive appropriate documentation at the end of each session.** There is an option to earn either 1 or 3 graduate credits from Ferris State University in ECTE 694. Please visit the registration desk for more information.

Evaluations

Your evaluation of the individual sessions and the overall conference is vital for next year's conference planning. Evaluations will be distributed by monitors at each session. Please complete a form for each session that you attend and return it to the monitor. You will receive, by email, an overall conference evaluation to be completed online. Please complete the survey so that your feedback and suggestions may be used for future planning. **Please note that if you sign up for SCECHs, you will receive an additional survey via email that must be completed as part of the process to earn SCECHs.*

Exhibit Hours

Exhibitors are located in the Center Concourse on the second floor above the lobby. Exhibiting hours will be as follows:

Sunday	Monday	Tuesday
6:00 p.m. - 8:00 p.m. (Optional for Vendors)	7:30 a.m. - 4:30 p.m.	7:00 a.m. - 11:30 a.m.

Grand Rapids Information

Stop by the Experience Grand Rapids table in the Center Concourse, to find information about great places to go and things to see while you are in Grand Rapids. Information regarding restaurants, cultural events, and entertainment will be available.

Internet Access

Wireless Internet access is available in all guest rooms. Guests may also enjoy free wireless in common areas.

Registration/Information Hours

The Conference Registration Desk is located in the Center Concourse, on the second floor, and will be open as scheduled below. Lost and found is also located at the Registration Desk.

Sunday	Monday	Tuesday
4:00 p.m. - 8:00 p.m.	7:30 a.m. - 4:30 p.m.	7:00 a.m. - 11:30 a.m.

Amway Grand Plaza and Downtown Information

About the Amway Grand

The Amway Grand Plaza has been making history since the original hotel - The Pantlind - opened in 1913. Fashioned after English Adams architecture by designers Warren and Wetmore, the hotel's special details included one of the world's largest gold-leaf ceilings in the Pantlind lobby. By 1925, The Pantlind was rightfully ranked "One of the Ten Finest Hotels in America." That distinguished history paved the way for the new Amway Grand Plaza Hotel. Ask the concierge for a brochure to guide you on a historic walking tour of the hotel.

Grand Rapids

Grand Rapids, Michigan combines urban sophistication with small-town warmth to deliver a meeting experience like no other.

A high-energy downtown offers more than 90 restaurants, nightclubs, entertainment venues and museums within a five-minute walk of luxury hotels and a state-of-the-art convention center. Suburban attractions include Frederik Meijer Gardens and Sculpture Park, one of the Midwest's most popular tourist destinations, and the 28th Street retail corridor, one of Michigan's most densely concentrated shopping and dining districts.

Grand Rapids is also a paradise for outdoor enthusiasts, with activities and locales for every interest. You're never more than six miles away from a body of water, so fishing, boating and swimming are favorite pursuits. Biking, hiking and running trails crisscross the region, passing through skyscraper canyons to forests and wetlands. Championship golf courses are abound.

As the gateway city to Michigan's West Coast, Grand Rapids is also the perfect home base for exploring the wonders of the Lake Michigan shoreline – including charming resort villages, world-class beaches and some of the most gorgeous sunsets on earth.

Wherever you go, whatever you do, you'll enjoy small-town friendliness, safety and affordability. No wonder Lonely Planet named Grand Rapids and Michigan's Gold Coast the Number One Place to Visit in 2014.



Conference Sponsors

Thank You To Our Sponsors!

The Office of Career and Technical Education, Michigan Department of Education, would like to thank the sponsors who have helped to make this event possible. If you would like to become a sponsor for upcoming conferences, please call Ferris State University, Conference and Professional Services, at 231.591.3808 or 800.562.9130 or email caps@ferris.edu.

Platinum Sponsor

Michigan Workforce Development Agency/
Michigan Occupational Deans Administrative
Council



Excellence in Practice Awards

2015 Career and Technical Education Program Excellence in Practice Award

The Career and Technical Education Program Excellence in Practice Award recognizes successful, exemplary state-approved Career and Technical Education (CTE) programs that demonstrate outstanding outcomes, produces measurable results, and leads to documented success in employment or postsecondary education/training.

Engineering/Drafting

The Bay-Arenac Intermediate School District Career Center's Engineering/Drafting program has a tradition of innovation and creativity that has led to postsecondary success for its students. Through project-based learning and business and industry partnerships, students are immersed in the basics of technical drawing through use of specific software applications such as AutoCAD, Autodesk Inventor, and Google SketchUp, as they work on group projects, experience hands-on applications, and interact with professional demonstrations. Additionally, students have the opportunity to utilize the program's 3-D printer, which is an essential tool in many of the community projects in which the program has been involved. This STEM based program enables students to develop these much desired and sought after competencies that are crucial skillsets in the global workforce. The curriculum for this program is aligned with Michigan's state standards, and as a STEM program, meets the employment needs for high skill, high wage, high demand jobs. This program has also focused on the recruitment and retention of special populations students, with a particular focus on students in programs that are non-traditional for their gender. The SEEDS program (Students Exploring Engineering Dreams), was a collaborative effort with GM Power Train, exposing 8th grade girls to the field of engineering. The Career Center developed a Manufacturing camp entitled "Camp Enginuity," with a focus on Engineering. The camp was so successful that a second camp was developed. Another exemplary feature is that the program encourages collaboration between disciplines, promoting teamwork, and essential "tech tool" imperative in the global workforce. Working together with business and industry, colleges and universities, and other CTE programs, students receive a well-rounded understanding of what it takes to work collaboratively toward a solution to a real world issue.

2015 Career and College Readiness Initiative Excellence in Practice Award

The Career and College Readiness Initiative Excellence in Practice Award recognizes outstanding practices, programs, or services that demonstrate exemplary support of career/college planning for students (that include their interests, abilities, and skills), promotion of high academic expectations, and linking secondary course taking (including CTE) to preparation for postsecondary education and careers.

Building Pipelines to College: Infusing Entrepreneurship into Career and Technical Education

The partnership between Muskegon Community College (MCC) and the Muskegon Area Career Tech Center (MACTC) is an innovative example of secondary, postsecondary, and industry/entrepreneurship education collaboration. Seventy-seven (77) CTE students in the Business Careers, Health Science Academy, Environmental and Veterinary Science, and Internet, Network, and Security Technologies programs were given 21st century career options by providing entrepreneurship opportunities in their industry of choice. Thirty-nine (39) CTE students also received Direct College Credit for BUS 131 Entrepreneurship with Muskegon Community College. CTE students met once a week with an MCC instructor, assisted by the Business Careers and Health Science Academy instructors, at the Muskegon Area Career Tech Center to learn valuable problem-solving, financing, marketing, production, and most importantly, soft skills.

At the completion of the year-long college course, CTE students showcased over 20 businesses at the Muskegon Area Career Tech Center Trade Show, which was attended by staff, students, advisory board and community members, as well as local entrepreneurs from Muskegon County. Additionally, nine student-owned businesses competed at the Generation E Showcase in Battle Creek, where several student businesses received recognition from local entrepreneurial judges, as well as cash scholarships. In October 2014, the MCC/MACTC partnership was highlighted at the National Association for Community Colleges Entrepreneurship in Phoenix, Arizona.

Excellence in Practice Awards

2015 Career and College Readiness Initiative **Excellence in Practice Award**

The Career and College Readiness Initiative Excellence in Practice Award recognizes outstanding practices, programs, or services that demonstrate exemplary support of career/college planning for students (that include their interests, abilities, and skills), promotion of high academic expectations, and linking secondary course taking (including CTE) to preparation for postsecondary education and careers.

Girls in STEM

The Wexford-Missaukee Career Technical Center STEM Camp is an initiative that was designed to provide girls in grades 8-10 with opportunities to explore STEM activities through a series of specialty camps. Eighth grade girls with a strong aptitude and interest in science and math are invited to participate in STEM Camp I. During this three-day camp, students use their STEM skill set to design and manufacture SeaPerch, an underwater ROV or remotely operated vehicle. SeaPerch is a nationally recognized STEM curriculum which was developed by a MIT Professor and meets the National Science Standards. Students learn engineering concepts of frame design, buoyancy, electrical principles, and quality control during the construction of the ROV. On the last day of camp, students launched their ROV at a community pool with family and friends in attendance. This camp is housed at a local manufacturing facility, which provides the girls a unique insight into STEM-related careers within manufacturing. Building upon this excitement of the first camp, these young women are invited back for STEM camp II to further enhance their academic, leadership, and career readiness skills to create a fully functioning wind turbine in our “Fab Lab” setting including blade design, machining principles, precision measurement, welding, and generator principles.

Both STEM camps provide science, technology, engineering and math curriculum for girls in grades 8-10 to encourage them to consider enrolling in a nontraditional CTE program, as well as a career in STEM-related field. Through these hands-on, challenging camps, these young women develop and/or enhance their academic, career, and college readiness skills such as: designing a product, engineering, welding, machining, electrical wiring, problem solving, and critical thinking.

Manufacturing Technology Academy

What happens when an intermediate school district and a local community college listen carefully to their area manufacturers and business owners who are seeking a rigorous and relevant career and technical education program that will better prepare high school students for postsecondary training and/or careers and professions related to engineering and manufacturing? They take action and collaboratively create a unique two-year program, offered to 11th and 12th grade students in the Traverse Bay Area Intermediate School District – the Manufacturing Technology Academy (MTA). MTA runs its program for four hours rather than two, during which rigorous academic and real-world technical coursework are the focus. The instructors of MTA work with engineers, college professors, managers, and technicians to find meaningful applications of their academic subjects for the classroom. The MTA curriculum meets or exceeds the state standards and are aligned to the Common Core State Standards, and most classes are honors or college-level. In addition, MTA has collaborated with Northwestern Michigan College (NMC) to offer College Calculus I and II, followed by Calculus III, Differential Equations, and Fundamentals of Light and Lasers for college or university credit. All academic and technical content is available on Moodle, an on-line course management system that allows the students to access it in a 24/7 fashion. Rigor, Respect, Relevance, Reality, and Robots capture the “essence” of the MTA experience for its students.

Acknowledgements

The Office of Career and Technical Education, Michigan Department of Education (MDE), would like to thank the planning committee, technical assistance staff, presenters, and monitors for their hard work, which has made this conference possible. The success of this conference is due to their efforts and the efforts of many others behind the scenes.

2015 Conference Planning Committee

Program Chair

Joanne Mahony, Supervisor, Office of Career and Technical Education, MDE

Committee Members

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Joseph Baynesan, Higher Education Consultant, Workforce Development Agency

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Jessica Walsh, Project Assistant, Conference and Professional Services

Susan Weaver, Project Assistant, Conference and Professional Services



10 Things You Can Do To Help Promote CTE

1. Contact NASDCTEc to obtain the national logo for use in your communications. Show your support for CTE by using the national logo in your brochures, newsletters and other communications.
2. Request a copy of the CTE "Web bug" for use on the home page of your organization's Web site—and link it to www.careertech.org.
3. Add a PDF download of the new CTE brochure to your Web site so it is easily available to your audiences. Order copies for yourself—and distribute them to key audiences.
4. Write a guest editorial for use on the NASDCTEc Web site at: www.careertech.org.
5. Invite NASDCTEc to write a guest editorial for your Web site or newsletter.
6. Offer to make a presentation at an upcoming NASDCTEc conference, meeting or workshop.
7. Invite NASDCTEc to make a presentation at one of your organization's meetings or conferences.
8. Display the CTE poster in your offices—and promote its availability to your constituents.
9. Ask us about "co-branding" the new CTE brochure or other communication initiative with your organization.
10. Visit www.careertech.org and sign up for the CTE blog to stay current on CTE news, research, data and developments. Ask your employees and professional colleagues to do the same.

Contact Erin Uy, Communications and Marketing Manager, if you are interested in partnering on a guest editorial, presentation, if you have questions or need access to CTE resources. She can be reached at euy@careertech.org or 301-588-9630.

www.careertech.org

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2014 Conference Top Sessions

The following sessions received the highest evaluations from the 2014 Career Education Conference. Thank you to all of our 2014 presenters.

Qualifying for “A Skilled Trade Apprenticeship” Operating Engineers Local 324 JATF	<ul style="list-style-type: none"> • John Hartwell, Apprentice Coordinator, Operating Engineers Local 324 JATF • Lee Graham, Training Coordinator, Operating Engineers Local 324 JATF
Updates on Michigan’s Dual Enrollment Law	<ul style="list-style-type: none"> • Brian Barber, Consultant, Michigan Department of Education • Chris May, Analyst, Michigan Department of Education
A MOOC towards Occupational Certification	<ul style="list-style-type: none"> • Geralyn Stephens, Associate Professor, Wayne State University
How to Influence, Motivate, and Communicate with Young People	<ul style="list-style-type: none"> • Al Duncan, Motivational Speaker, Al Duncan Enterprises, LLC
TRAC and the New CIP Self-Review: C10 Program Implementation	<ul style="list-style-type: none"> • Denise Teague, CTE Program Consultant, Michigan Department of Education
Data Driven School Counseling	<ul style="list-style-type: none"> • Terri Tchorzynski, School Counselor, Calhoun Area Career Center • Tony Warren, Educational Consultant/Counseling and Career Development, Calhoun ISD
Michigan Advanced Technician Training	<ul style="list-style-type: none"> • Janene Erne, Apprentice Coordinator, Oakland Community College • Sarah Harfst, Consultant, Orbitak • Jacqui Mieksztyn, Manager, Michigan Economic Development Corporation
Who is Driving Your Bus?	<ul style="list-style-type: none"> • Kirk Wyers, Executive Director of CTE Services, Newaygo County Educational Services • Sandy Tower, Counselor, Newaygo County Educational Service Agency
Homeless Youth in YOUR Classroom	<ul style="list-style-type: none"> • Pam Kies-Lowe, State Coordinator for Homeless Education
futurePREP: An Innovative Approach to Exposing Middle School Students to CTE Programming and Future Careers	<ul style="list-style-type: none"> • Jason Pasatta, Development Director, Ottawa Area ISD • Kyle Dannenberg, Development Coordinator, Ottawa Area ISD • Jennifer Knittel, High School Teacher, Spring Lake Public Schools

Help Students to Earn College Credit Now...It can Reduce the Time to Degree and Student Debt Later	<ul style="list-style-type: none"> • Toni Glasscoe, Director, Career Preparation and K-12 Education, Lansing Community College • Deedee Stakley, Director, Transfer Services Center, Ferris State University
Teacher Certification for CTE Programs	<ul style="list-style-type: none"> • Debbie Ryan, Analyst, Michigan Department of Education
Online Learning and Career Readiness	<ul style="list-style-type: none"> • Jay Bennett, Sales and Business Developer, Michigan Virtual University
Blended Learning: Anytime, Anyplace, Any Pace, In Your Face!	<ul style="list-style-type: none"> • Michael George, Drafting and Design Instructor, Traverse Bay Area ISD • Meredith Schmidt, Early College Coordinator, Traverse Bay Area ISD
College Readiness: Preparing Students for College	<ul style="list-style-type: none"> • Leah Melichar, High School Transfer Credit Specialist, Ferris State University • Deedee Stakley, Director, Transfer Services Center, Ferris State University
Robotics: A County Wide Initiative -Challenges and Success Stories	<ul style="list-style-type: none"> • William Farrant, IT Instructor/FIRST Mentor, Jackson Area Career Center • John Riedeman, PLTW Instructor/FIRST Mentor, Jackson Area Career Center
Nooks for Books	<ul style="list-style-type: none"> • Loraine Phillips, Assistant Principal, Grand Rapids Ottawa Hills High School • Heather Lapouraille, District Instructional Technology Specialist, Grand Rapids Public Schools
National Alliance of Concurrent Enrollment Partnerships Membership Advantages	<ul style="list-style-type: none"> • Deedee Stakley, Director, Transfer Services Center, Ferris State University • Patrick Cannon, Academic Coordinator for CEP, Purdue University North Central, NACEP • Sue Wilson, Director, School Partnerships, Purdue University North Central/NACEP
Improving Degree and Credential Attainment through the Creation of Local College Access Networks	<ul style="list-style-type: none"> • Ryan Fewins-Bliss, Assistant Director of Network Development, Michigan College Access Network • Brandy Johnson, Executive Director, Michigan College Access Network
Ready to “Ratchet Up” Your CTE Program	<ul style="list-style-type: none"> • Patrick Lamb, Principal, Traverse Bay Area ISD • TBAISD Staff Members, Technical and Academic Teachers, Traverse Bay Area ISD

Conference at a Glance

Sunday, February 1, 2015

4:00 p.m. - 8:00 p.m.	Registration/Information - Center Concourse
6:00 p.m. - 8:00 p.m.	Exhibits Open (optional)
6:30 p.m. - 10:00 p.m.	Superbowl Party - GP Sports, Pantlind Lobby - 1 st Level

Monday, February 2, 2015

7:30 a.m. - 4:30 p.m.	Registration/Information - Center Concourse
7:30 a.m. - 4:30 p.m.	Exhibits Open - Center Concourse
7:30 a.m. - 8:45 a.m.	Continental Breakfast - Center Concourse
9:00 a.m. - 10:30 a.m.	Opening Session, EIP Awards - Featured Speaker, Dr. Paul Hernandez - Devos Place, Ballroom AB
10:30 a.m. - 11:00 a.m.	Exhibitor Break - Center Concourse
11:00 a.m. - 12:00 p.m.	Breakout Session A
12:00 p.m. - 1:30 p.m.	Luncheon in Devos Place, Ballroom AB - Featured Speaker, Kirk Wyers
1:30 p.m. - 1:45 p.m.	Exhibitor Break - Center Concourse
1:45 p.m. - 2:45 p.m.	Breakout Session B
2:45 p.m. - 3:15 p.m.	Exhibitor Break - Center Concourse
3:15 p.m. - 4:15 p.m.	Breakout Session C

Tuesday, February 3, 2015

7:00 a.m. - 11:30 a.m.	Registration/Information - Center Concourse
7:00 a.m. - 11:30 a.m.	Exhibits Open - Center Concourse
7:00 a.m. - 8:00 a.m.	Breakfast Buffet - Crown Foyer
8:00 a.m. - 9:00 a.m.	Breakout Session D
9:00 a.m. - 9:15 a.m.	Exhibitor Break - Center Concourse
9:15 a.m. - 10:15 a.m.	Breakout Session E
10:15 a.m. - 10:30 a.m.	Exhibitor Break - Center Concourse
10:30 a.m. - 11:30 a.m.	Breakout Session F
11:30 a.m. - 1:15 p.m.	Lunch, Door Prizes - Featured Speaker, Ben Glenn - Ambassador Ballroom

Personal Schedule

Use this page to help pre-select sessions.
Write in your top two choices in the corresponding sections below.

Monday, February 2, 2015

Time/Session	Selection 1	Location	Selection 2	Location
11:00 a.m. - 12:00 p.m. Session A				
1:45 p.m. - 2:45 p.m. Session B				
3:15 p.m. - 4:15 p.m. Session C				

Tuesday, February 3, 2015

Time/Session	Selection 1	Location	Selection 2	Location
8:00 a.m. - 9:00 a.m. Session D				
9:15 a.m. - 10:15 a.m. Session E				
10:30 a.m. - 11:30 a.m. Session F				

Session Key

Each presentation has been assigned to a category that best represents its content and subject matter.

Use the key on the right to find presentations that relate to the different subjects outlined. You will find these symbols on the left hand side of the presentation descriptions.

Business and
Industry
Apprenticeships
Labor Market
Emerging
Careers



STEM (Science,
Technology,
Engineering, and
Mathematics)
Green Jobs
Alternative Energy



Career
Development
Counseling
Special
Populations



Curriculum
Programs of
Study
Academic
Integration
Assessment



Community
College
Postsecondary
Articulation



Administration
Leadership/
Teacher
Quality/
Evaluations



Sessions at a Glance - Monday

Key	Presentation Title	Room	Page #
Monday 11:00 a.m. – 12:00 p.m. Session A			
❖	Build Your Future: Choices...Connections...Careers	Ambassador East	17
❖	Taking OFF: Evolution of an Aviation Themed High School	Cascade	17
□	A Comprehensive Approach to College/Career Readiness	Emerald A	18
●	New View on Vehicle Electronics	Emerald B	18
❖	"Easy" Button for Literacy in CTE	Gerald R. Ford	18
○	Collaboration and More Using Google Services	Governors Ballroom	18
❖	Articulation: You Have an Agreement, Now Make It Work	Haldane	18
◆	The In's and Out's of Placing Students in a Work Environment	Imperial Ballroom	18
○	Career and Technical Education and the Malcolm Baldrige Quality Award in Education	Kendall	18
□	Learning Skills to Pay the Bills	Pantlind Ballroom	19
●	The Technical Career Continuum	Pearl	19
■	State Wide Articulation Project	Thornapple	19
■	Building Skill-Based Bridges to Increase College Readiness	Vandenberg A	19
◆	"Energizing" Career Pathways in Michigan	Vandenberg B	19
Monday 1:45 a.m. – 2:45 p.m. Session B			
□	Working with Students with Special Needs: Making the Connection	Ambassador East	20
❖	Content and Context: Working Together for Student Success	Ambassador West	20
□	Branch Area Careers Center Summer Camps	Atrium	20
❖	How Blended Learning Became Part of my Program Improvement Solution	Cascade	21
□	County Wide Career Development	Emerald A	21
□	Building Safer Schools by Building Relationships with Students	Emerald B	21
❖	CTE: Backdrop for Literacy...Strategies That Fit	Gerald R. Ford	21
○	PROJECT MOOC: Preparing AOA teachers for the CTE Classroom (A Status Update)	Governors Ballroom	21
❖	futurePREP: An Innovative, K-12 System for Educators and Students to Learn About Local Career Opportunities	Haldane	21
❖	Get Them Engaged and Happy: Effective and Efficient Use of Program Advisory Committees	Heritage Hill	21
❖	Building Pipelines to College: Infusing Entrepreneurship into Career and Technical Education	Imperial Ballroom	22
◆	US Department of Labor/DASI Solutions-Industrial Design Technician Apprenticeship	Kendall	22
□	Cosmetology Today	Pantlind Ballroom	22

Sessions at a Glance - Monday

Key	Presentation Title	Room	Page #
Monday 1:45 a.m. – 2:45 p.m.		Session B	
●	Sustainable Curriculum at a Federal Green Ribbon School	Pearl	22
❖	iCEV Online Curriculum: Automatic Testing and Grading and Course Manage-	Ruby	22
■	Help Students to Earn College Credit Now...It Can Reduce the Time to Degree and Student Debt Later	Thornapple	22
■	JAC3 E/MC Model	Vandenberg A	23
	Keynote Speaker Breakout Session	Vandenberg B	23
Monday 3:15 p.m. – 4:15 p.m.		Session C	
□	Homeless Youth? HERE??	Ambassador East	23
❖	Targets, Achievement and Data, Oh My! Using Formative Assessment to Improve Student Achievement in CTE	Ambassador West	23
❖	Integrating ELA into CTE Law Enforcement and Future Educators Courses--For Credit	Cascade	23
□	Create a Meaningful EDP Process Through Literacy and Critical Thinking Tasks	Emerald A	24
□	Building a Classroom Community	Emerald B	24
❖	Blogs! The Easiest Tool for Better Writing, Technology Skills, and Classroom Community	Gerald R. Ford	24
○	Who is Driving Your Bus?	Governors Ballroom	24
❖	Using Common Core and NGSS "Practices" for STEM and EDP Relevance	Haldane	24
❖	Collaborating to Build Flight Simulators	Heritage Hill	24
◆	Getting to Work: Career Navigation for CTE Students in Michigan	Imperial Ballroom	24
❖	Meeting the NEW NATEF Standards with New CDX	Kendall	25
●	Tech Tools Update	Pearl	25
◆	Building Successful Community Partnerships Using Project Based Learning	Ruby	25
■	The PRE Study and What We Can Learn From It	Thornapple	25
■	Partnering to Protect and Serve: Lansing Community College and Eaton RESA's Public Service Careers Program	Vandenberg A	25
◆	Qualifying For "A Skilled Trade Apprenticeship"; Operating Engineers Local 324 JATF	Vandenberg B	25

- ◆ Business and Industry/Apprenticeships /Labor Market/Emerging Careers
- STEM/Green Jobs/Alternative Energy
- Career Development/Counseling/Special Populations
- ❖ Curriculum/Programs of Study/Academic Integration/Assessment
- Community College/Postsecondary/Articulation
- Administration/Leadership/Teacher Quality/Evaluations

Sessions at a Glance - Tuesday

Key	Presentation Title	Room	Page #
Tuesday		8:00 a.m. – 9:00 a.m.	Session D
◆	Coaching Employers to Internship Success	Atrium	26
❖	Academic Credit in Career and Tech Ed. A Multipurpose Program for 9th and 10th Grade ...	Berkey	26
❖	Math Credit Embedded in All Kent Career Tech Center Programs	Cascade	26
□	Promoted: A Route to CTE Teacher Certification	Emerald A	26
❖	NOCTI Test Data: It Is More Than Just Numbers	Gerald R Ford	26
○	Teacher Certification for CTE Programs	Governors Ballroom	27
□	Virtual Counselor: A New, All Inclusive Career and Course Planning Program/App	Grand View	27
◆	Building the Industry Pipeline through Education Business Partnership	Imperial	27
❖	Getting Started with Microsoft Office Certification at Your School	Pantlind Ballroom	27
■	MCAN's Statewide Initiatives Strategy: Guiding Students Through the Steps Toward College	Pearl	27
❖	Pharmacology for Medical Careers	Ruby	28
■	Ferris State Center for College Readiness: Preparing Students for Post-Secondary Academics	Thornapple	28
❖	NATEF Accreditation Update	Vandenberg A	28
◆	Not Your Father's Apprenticeship: How Non-Traditional Apprenticeships are Preparing Students for High Demand Careers	Vandenberg B	28
Tuesday		9:15 a.m. – 10:15 a.m.	Session
◆	Stakeholder to Shareholder: Flexing Your Language Style for Maximum Impact	Atrium	28
❖	BACC Robotics and Automation: A Look at the Development of a New Robotics Program for CTE Students	Berkey	28
❖	Integrating Physics into CTE Mechatronics--For Credit	Cascade	29
□	Insights into College Selection	Emerald A	29
□	Career and Technical Education: The New Nexus of Education	Emerald B	29

- ◆ Business and Industry/Apprenticeships /Labor Market/Emerging Careers
- STEM/Green Jobs/Alternative Energy
- Career Development/Counseling/Special Populations
- ❖ Curriculum/Programs of Study/Academic Integration/Assessment
- Community College/Postsecondary/Articulation
- Administration/Leadership/Teacher Quality/Evaluations

Sessions at a Glance - Tuesday

Key	Presentation Title	Room	Page #
Tuesday 9:15 a.m. – 10:15 a.m.		Session E	
❖	Teacher Testing Tips	Gerald R. Ford	29
○	Troops-to-Teachers: A Statewide Awareness Initiative	Governors Ballroom	29
□	Setting Up Students to Identify, Connect and Build Transferable Skills	Grand View	29
□	Career Awareness for High-Demand Skilled Trades and Training	Haldane	30
◆	K-12 and Industry Meet: Connecting Education and Business for Talent Pipeline Development	Imperial Ballroom	30
❖	Personalized Mapping and Focused Collaboration to Make Sense of Segment Delivery ...	Kendall	30
○	Do you have ESP?	Pantlind Ballroom	30
●	An Introduction to “The Internet of Things”	Pearl	30
◆	Career Connections - A Case Study in Bringing Incredible Opportunities to ALL Students	Ruby	30
■	Implementing Concurrent Enrollment at Your Institution	Thornapple	30
❖	Books and Blowtorches: Using Reading Strategies to Address the English Common Core...	Vandenberg A	31
❖	Getting Teens and Teachers Connected with No Cost Resources for College and Careers	Vandenberg B	31
Tuesday 10:30 a.m. – 11:30 a.m.		Session F	
□	Help Your Students Save Time and Money: An Online Career Exploration Course ...	Atrium	31
❖	FREE Linux Course Materials	Berkey	31
❖	Engage Health Science students and Prep for Assessments and Certifications	Cascade	31
❖	Accessing and Using Valuable National Health Science Assessment “NCHSE” Data with ...	Emerald A	32
□	Stress Management for the CTE Educator	Emerald B	32
◆	CareerSafe Online - OSHA 10-Hour Training and Credentialing Program	Gerald R. Ford	32
◆	Where Are the Jobs, How Do Students Get Them? A Data-Driven Approach to Understanding Job Market Demand	Grand View	32
◆	Registered Apprenticeships Today and Tomorrow	Haldane	32
□	Career Preparation Academy: Preparing At-Risk Youth for Career Success	Pantlind Ballroom	32
●	TRAC - How to Receive Free Tools for the Classroom!	Pearl	32
❖	Building Successful Blended and Online Learning Programs	Ruby	33
■	Automotive Statewide Articulation Agreement	Thornapple	33
❖	Engaging Students in a Real World Experience Operating a Virtual Business	Vandenberg A	33
◆	Michigan Advanced Technician Training (MAT2) Program	Vandenberg B	33

SCECH Information

If you have chosen to apply for State Continuing Education Clock Hours (SCECHs), formerly called State Board Continuing Education Units (SB-CEUs). There are a few important steps involved with obtaining SCECHs.

1. You must attend the entire offering, unless otherwise indicated, in order to receive the SCECHs. It is all or nothing unless it is clearly stated there is a variable option. If released early, you may not have met the time block required. Every effort is made to alert the instructor of this.
2. You must have filled out the SCECH application form and paid \$10 prior to the event start time.
3. You must sign-out of every session.
 - a. For professional development with just one break-out session, it is typically just a sheet that you will need to sign out on to receive clock hours.
 - b. For conferences with several break-out sessions, you may be given a sheet with all of the options and it is your responsibility to find the monitor at each session to get your form stamped/initialed when you leave the session – you must attend the entire session.
4. Once the Coordinator's office has verified your application and sign out sheet, a download is sent to a central registry system. You must have a personal account in this system in order to get your SCECH's. If you don't already have one set up you can find information at http://solutionwhere.com/MI_sbceu/. Please be sure the name and e-mail address you use for your registration is the same as what you submit when you apply for SCECHs at an event. **These must match. SB-CEUs have been converted to Clock Hours.** Your previously earned units will count toward your hours. To convert your continuing education units to clock hours, simply multiply the number by 10. Ex: 1.2 SB-CEU's is $1.2 \times 10 = 12$ clock hours.
5. For each event/conference you attend and apply for SCECHs, you will receive an e-mail from Solutionwhere (the State's Secure Central Registry) indicating you have 30 days to complete an evaluation form for the event that you have applied for SCECHs. If you do not complete the evaluation, you will not be awarded SCECHs, nor will you be refunded your \$10. Do not confuse any evaluation sent by the program with the evaluation for SCECHs. You may be asked to fill out a second evaluation issued by the program coordinators regarding the event. This will not count toward your SCECHs.
6. Once you have completed the evaluation, you will be able to access your unofficial transcript. This will show all SCECHs and previous SB-CEUs that you have been awarded. You can order an official transcript from the on-line registry system for \$20.

*If you have difficulties setting up your account or accessing the evaluation, please contact the Website Administrator by clicking on that link while in the site, or call 517-327-5925.

**For information about educator certification go to: http://www.michigan.gov/documents/mde/FACTS_About_Teacher_Certification_In_Michigan_230612_7.pdf.

***MOECS does not replace the Secure Central Registry. These are separate accounts and you must have both to receive your SCECHs and have them uploaded to count for your certification.

Monday, February 2

7:30 a.m. - 4:30 p.m.....Registration/Information/Exhibits Open.....Center Concourse, Level 2
7:30 a.m. - 8:45 a.m.....Continental BreakfastCenter Concourse, Level 2
9:00 a.m. - 10:30 a.m.....Opening Session/Excellence in Practice Awards.....Devos Place, Ballroom A/B
Joanne Mahony Ph.D, Conference Chair, Supervisor, Office of Career and Technical Education, MDE
Patty Cantú, Director of the Office of Career and Technical Education, MDE

Opening Session

9:00 a.m. – 10:30 a.m.



Devos Place, Ballroom A/B **Dr. Paul Hernandez**

Dr. Paul Hernandez is an educator and social activist who believes that at-risk students can succeed in careers and college if the right tools are given to them. We must change the way that we work with them and relate to them.

Before he was a college professor, and before he succeeded in community college and eventually graduate school, Hernandez was himself an “at-risk student” raised in the gang community of Los Angeles. Drawing on his own experiences and his extensive work with K-12 and college students, he has developed a pedagogical approach he describes as “real talk.”

10:30 a.m. - 11:00 a.m.Exhibitor Break.....Center Concourse
(Refreshments available in Center Concourse)

Session A

11:00 a.m. – 12:00 p.m.

Ambassador East Session A



Build Your Future: Choices...Connections...Careers

Learn about the new national 4-H curriculum, Build Your Future, designed for teens in multiple settings. Written by a team of MSU Extension staff, this curriculum aligns with national career-technical education standards. Nine hands-on lessons teach skill identification, career exploration including entrepreneurship, financing careers and educational training, and workforce preparation.

Deb Barrett, Senior Extension Educator, MSU Extension

Host: Kylie Bauman, Student, West Shore Community College

Cascade Session A



Taking OFF: Evolution of an Aviation Themed High School

The fundamentals of aviation are imbedded in the new West Michigan Aviation Academy. Students desiring careers in aviation are motivated to attend this high school and the first class graduated in 2014. Presenters will review aviation related curriculum concepts within the development of this high school.

George Pavey, Dean, West Michigan Aviation Academy

Martin Grant, CTE Administrator, West Michigan Aviation Academy

David Sebuck, Director of Operations, West Michigan Aviation Academy

Host: Madelynn Edmondson, Student, West Shore Community College

Emerald A Session A 	A Comprehensive Approach to College/Career Readiness What do the ASCA career development standards, data driven goals, national career development guidelines, principal counselor agreement, student assessments, school improvement goals, and evidence based practice have in common? They are core components of the ASCA National Model that help you meet the College/Career Readiness needs of all students. Terri Tchorzynski, Professional School Counselor, Calhoun Area Career Center Tony Warren, Educational Consultant/Counseling and Career Development, Calhoun ISD Host: Whitney Graczyk, Student, West Shore Community College
Emerald B Session A 	New View on Vehicle Electronics The speaker will discuss the technological developments of the automobile, using simple examples to show why traditional learning methods no longer support the knowledge required to diagnose today's electronic systems. The discussion will cover CAN, LIN, MOST, distributed electronic control, and switching power supplies used in today's automobiles. A new learning approach will be discussed. Darcy Wedel, Representative, Electude USA Host: Brandie Heyboer, Student, West Shore Community College
Gerald R. Ford Session A 	"Easy" Button for Literacy in CTE Common Core State Standards (CCSS) require that literacy be addressed across the curriculum, including CTE classrooms! Literacy skills are in high demand for students in today's labor market. This session will clarify the Literacy Standards required for technical subjects and provide easy-to-use, grab-and-go resources for your CTE programs focusing on techniques without adding content. Resources will be provided to participants. Cindy Kent, CTE Administrator, Career Curriculum Development Association Carol Clark, CTE Curriculum Consultant, CCDA Michelle Radcliffe, CTE Coordinator, CCDA Host: Denise Teague, Consultant, OCTE/MDE
Governors Ballroom Session A 	Collaboration and More Using Google Services This presentation will discuss how the Calhoun Area Career Center uses Google Drive and other services to collaborate on school improvement, support professional learning communities, and take our students, staff and other stakeholders one step closer to an "any time, anywhere" learning environment. Tim Staffen, Principal, Calhoun Area Career Center Host: Dominic Hasbrouck, Student, West Shore Community College
Haldane Session A 	Articulation: You Have an Agreement, Now Make It Work It is not enough to simply create articulation agreements. The key is to develop articulation agreements and a plan that encourages the use of agreements and results in less time to degree and less student debt. Attendees will discover tips to engage high school teachers and postsecondary partners in the articulation process. Deedee Stakley, Director, Transfer Services Center, Ferris State University Jill Kroll, Supervisor, Grants, Assessments, Monitoring, and Evaluation Unit, OCTE/MDE Host: Leah Melichar, High School Transfer Credit Specialist, Ferris State University
Imperial Ballroom Session A 	The In's and Out's of Placing Students in a Work Environment This session will be presented by Michigan Career Placement Association board members and will benefit anyone who is involved in the placement of students. It is especially helpful to anyone new to work based learning. All WBL required paperwork, including TRAC, will be discussed. Attendees will receive handouts and links to helpful resources. Rachel Hard, President, Michigan Career Placement Association Debbie Lynch, Past-President, Michigan Career Placement Association Host: Beverly Brown, Program Consultant, OCTE/MDE
Kendall Session A 	Career and Technical Education and the Malcolm Baldrige Quality Award in Education Results of a doctoral study sent to Michigan CTE Center leaders and faculty in spring, 2014 will be presented. The study queried CTE Center leaders and faculty regarding their perceived alignment with the Malcolm Baldrige Award in Education Criteria and experience with and/or desire to pursue an external quality award. Patricia Allen, Doctoral of Philosophy Educational Leadership, Western Michigan University Host: Austin Shepler, Student, West Shore Community College

Pantlind Ballroom Session A □	Learning Skills to Pay the Bills Career Skills is a program designed to give Special Pops students an opportunity to explore career pathways and learn daily living skills. Billed as the “CTC Buffet,” students sample five different CTE programs and learn some valuable life skills in the process. Career Skills is life-impacting and encouraging to this special population of students. Melinda Cucinella, Teacher Consultant, Wexford-Missaukee Career Technical Center Donna Waddell, Paraprofessional, Wexford-Missaukee Career Technical Center Charlie Schwarz, Principal, Wexford-Missaukee ISD-Career Technical Center Host: Brittany Septrion, Student, West Shore Community College
Pearl Session A ●	The Technical Career Continuum The Technical Career Continuum (TCC) shows there are many paths to technical career success through post secondary education. These include industry based certificates, apprenticeship programs, and two and four year degrees. While the education paths may vary, they require similar foundation skills and aptitudes. Adoption of the TCC will result in a workforce that is prepared for high demand fields. Naheed Huq, Group Leader, Southeast Michigan Council of Governments (SEMCOG) Host: James Taylor, Dean of Health and Public Service, Kalamazoo Valley Community College
Thornapple Session A ■	State Wide Articulation Project C.O.O.R. ISD and Kirtland Community College received the Statewide Transfer/Articulation Agreement Partnership Grant in 2013-2014. One of the projects was to establish statewide articulation agreements. This session will discuss the process we implemented that resulted in 15 agreements. Marcell Romancky, Instructor, Kirtland Community College Laura Percival, Dean, Kirtland Community College Host: Sheree Price, Higher Education Consultant, Workforce Development Agency
Vandenburg A Session A ■	Building Skill-Based Bridges to Increase College Readiness Federal guidelines are mandating increased levels of college readiness for high school graduates and for high school students wishing to participate in dual-enrollment, and CTE programs. Learn strategies to create bridge programs to reduce skill gaps, allowing more students to benefit from dual-enrollment programs to simultaneously earn high school and college credit. Cheryl Garayta, Director, Center for Transitional Learning, Lansing Community College Toni Glasscoe, Director, K-12 Relations, Lansing Community College Host: Clifford Akujobi, Education Consultant Manager, Office of Adult Education and Community College Services, Workforce Development Agency
Vandenburg B Session A ◆	"Energizing" Career Pathways in Michigan Session participants will learn about career pathways in the energy industry - high-skilled, high-wage occupations not typically sought after. DTE Energy and Consumers Energy will showcase partnerships with secondary and postsecondary schools to build their talent pipeline. In addition, presenters will share information regarding the Michigan Energy Workforce Development Consortium and the work they are doing to promote career awareness. Tracy DiSanto, Manager of Workforce Training and Analytics, DTE Energy Stacy Mowrer, Director of Learning and Development, Consumers Energy Host: Krishnan Sudharsan, Education Research Consultant, OCTE/MDE



Devos Place, Ballroom AB

Kirk Wyers, Executive Director of Career and Technical Education Services, Newaygo County Regional Educational Service Agency

Minding Our Own Business: Promoting CTE

Kirk P. Wyers Jr. is the Executive Director of Career and Technical Education in Newaygo County and has a passion for CTE! He is a national speaker that presents on numerous topics including building relationships, partnerships, mindset, and attitude as it relates to recent brain research. His message is always “edutaining.”

In education, the pendulum is always in motion. The current movement places Career and Technical Education in a prime position to strengthen and surge forward. Let’s dig down, face our challenges, and surge forward. If we operate from a growth mindset we will embrace

change and choose a new pathway.

We must ask ourselves if we are leaders who have a growth mindset. If so, we must constantly try to improve, look squarely at our mistakes and deficiencies, be open-minded when we are criticized or questioned, and challenge the status quo. We have an amazing opportunity to make a difference in education in general, in Career and Technical Education, and in the lives of individuals as well as our own.

Let’s enjoy our time together and appreciate this moment!

1:30 p.m. - 1:45 p.m.Exhibitor Break.....Center Concourse
(Refreshments available in Center Concourse)

Session B

1:45 p.m. – 2:45 p.m.

**Ambassador
East
Session B**



Working with Students with Special Needs: Making the Connection

Gain an understanding of the various students with special needs and effective strategies to use in your CTE classroom. Outcomes for this presentation are learning characteristics of students with special needs, how it impacts learning and performance, and strategies to accommodate lessons. You will gain ideas to help you daily in the classroom.

Christine Conley-Sowels, Teacher Education, Ferris State University
Racine Reeves, Student, Ferris State University

Host: Valerie Felder, Education Research Consultant, OCTE/MDE

**Ambassador
West
Session B**



Content and Context: Working Together for Student Success

This presentation will walk you through the process, pitfalls, and possibilities for aligning CCSS/HSCE to the CTE segments. The goal of this project is to provide students with a variety of options to earn credits toward graduation. You will learn from teachers and administrators about what it takes to work along side your locals to achieve this goal.

Ted Paton, Assistant Director, Heartlands Institute of Technology
Julie Milewski, Science Consultant, Ionia County ISD

Host: Dominic Hasbrouck, Student, West Shore Community College

**Atrium
Session B**



Branch Area Careers Center Summer Camps

Reach out to your future students and give them a hands on day camp experience of the programs you offer at your career center. Learn everything from marketing, scheduling, organizing and program delivery to excited campers embracing your program.

Josie Smith, Guidance Counselor, Branch Area Careers Center
Larry Loviska, Welding Program Manager, Branch Area Careers Center
Duane Wagner, Collision Repair Program Manager, Branch Area Careers Center
Kristen Dogan, Chef, Program Manager, Branch Area Careers Center

Host: Jarret Deisch, Student, West Shore Community College

Cascade Session B	<p>How Blended Learning Became Part of my Program Improvement Solution</p> <p>When faced with the problem of meeting state standards, employer demands, and lack of student interest I it was time to redesign the IT program. By adding a Help Desk business the program was able to meet state standards, employer demands and improve student interest.</p> <p>William Saunders, IT Instructor, St. Clair Technical Education Center</p> <p>Host: Madelynn Edmondson, Student, West Shore Community College</p>
Emerald A Session B	<p>County Wide Career Development</p> <p>How did Branch County Counselors and Administrators ensure high quality Educational Development Plans for all in a systemic way? By finding creative ways for students to experience Career Cruising to create/ update their EDP, Career Development Classroom Presentations, Career Days, Careers Center Visits, Career Exploration Summer Camps, and College Nights.</p> <p>Jennifer Searls, Career Development Coordinator, Branch ISD</p> <p>Host: Whitney Graczyk, Student, West Shore Community College</p>
Emerald B Session B	<p>Building Safer Schools by Building Relationships with Students</p> <p>This session will provide teachers/administrators with strategies on how to increase school/classroom security by using low, to no-cost methods. Participants will hear how the Van Buren Technology Center used this program with great success. Participants will leave this session with resources to implement this program in their classrooms/schools.</p> <p>Gary Brown, Administrator for Crisis Management, Van Buren ISD</p> <p>Host: Brandie Heyboer, Student, West Shore Community College</p>
Gerald R. Ford Session B	<p>CTE: Backdrop for Literacy...Strategies That Fit</p> <p>Imagine...CTE, the perfect backdrop for literacy. WHAT?! How is that possible? Come and experience several research-based strategies that not only cover your required literacy standards, but also promote student independence, collaboration, and overall classroom environment. You will leave with a toolkit of hassle-free strategies to use in your class immediately!</p> <p>Melissa Hyatt, English Language Arts Instructor, Genesee Career Institute</p> <p>Dennis Hunt, English Language Arts Consultant, Calhoun Area Career Center</p> <p>Host: Brittany Seprtrion, Student, West Shore Community College</p>
Governors Ballroom Session B	<p>PROJECT MOOC: Preparing AOA teachers for the CTE Classroom (A Status Update)</p> <p>A status update will be shared regarding the online course developed and delivered during the summer of 2014. Resources from the 2013-14 Teacher Education grant funded the project. Initial findings reveal the course met the grant goals and participants were able to maintain credit-track status as a result of participating.</p> <p>Geralyn Stephens, Associate Professor - Clinical, Wayne State University</p> <p>Janet Haas, Adjunct Faculty, Wayne State University</p> <p>Host: Austin Shepler, Student, West Shore Community College</p>
Haldane Session B	<p>futurePREP: An Innovative, K-12 System for Educators and Students to Learn About Local Career Opportunities</p> <p>Within this session, participants will learn about the Ottawa Area ISD's futurePREP Program, which is an innovative system of training, experiences and support for local K-12 educators and programming for K-12 students to learn about the skills needed for, and opportunities within, local business and industry.</p> <p>Jason Pasatta, Development Director, Career and Technical Education, Ottawa Area ISD</p> <p>Kyle Dannenberg, Development Coordinator, Career and Technical Education, Ottawa Area ISD</p> <p>Host: Joseph Baynesan, Higher Education Consultant, Workforce Development Agency</p>
Heritage Hill Session B	<p>Get Them Engaged and Happy: Effective and Efficient Use of Program Advisory Committees</p> <p>Generate a diverse committee that has term limits. Get them so they feel that they are making a difference in the program and in the students' lives. Thank them for their efforts and allow them to toot YOUR horn. Improve your processes, such as generating minutes from your meetings in an easy and efficient way, without additional burden.</p> <p>Clark Harris, Dean of Technology, Mott Community College</p> <p>Host: James Taylor, Dean of Health and Public Service, Kalamazoo Valley Community College</p>

Imperial Ballroom Session B ❖	Building Pipelines to College: Infusing Entrepreneurship into Career and Technical Education Muskegon Community College built a pipeline with the Muskegon Area Career Tech Center, helping 77 high school students start over 20 businesses while generating 39 dual enrollment credit hours in entrepreneur education. Interact with students, teachers, school principals, and other partners to build your pipeline. Kathy Andrews, Health Science Academy Instructor, Muskegon Area Career Tech Center Sandy Goodrich, Business Careers Instructor, Muskegon Area Career Tech Center David Stradal, Program Coordinator, Marketing, Management and E-Ship, Muskegon Community College Cheryl Peters, Director, Generation E Institute Host: Kylie Bauman, Student, West Shore Community College
Kendall Session B ◆	US Department of Labor/DASI Solutions-Industrial Design Technician Apprenticeship To address the shortage of potential employees, DASI Solutions has announced an apprenticeship program recognized by the US Department of Labor. The two-year program focused on SOLIDWORKS will prepare workers for all aspects of industrial design and provide employers with a skilled workforce. David Darbyshire, Engineer and Co-founder, DASI Solutions Annette Norris, Business Development Manager - Educational Technology, DASI Solutions Host: Nikki Rogers, Program Consultant, OCTE/MDE
Pantlind Ballroom Session B □	Cosmetology Today Join your colleagues around the state from secondary and postsecondary institutions for an open discussion about trends in Cosmetology. Share experiences and find out what others are doing in their respective classroom settings. Zena Lowe, Education Consultant, OCTE/MDE Anne Tomshack, Cosmetology Instructor, Montcalm Area Career Center Host: Sandy Stoddard, Transfer Services Center, Ferris State University
Pearl Session B ●	Sustainable Curriculum at a Federal Green Ribbon School The LISD TECH Center was awarded the Federal Green Ribbon Schools Award for their Center for a Sustainable Future. Presenters will describe their new sustainable building, explain how they met key pillars for the award, and will outline how they incorporate sustainable curriculum into several programs, including a new Sustainable Agriculture class. Shelley Jusick, Principal, LISD TECH Center Leslie Coates, Science Consultant, LISD TECH Center Johanna Lentz, Sustainable Agriculture Instructor, LISD TECH Center Host: Sheree Price, Higher Education Consultant, Workforce Development Agency
Ruby Session B ❖ Vendor Session	iCEV Online Curriculum: Automatic Testing and Grading and Course Management Features Come learn about the new content and features we have added to the iCEV online. From automatic testing, and grading to managing your class roster, iCEV's new course management tools will make classroom implementation easier. State-specific pacing guides, correlations, the Educator's Resource Guide provides time-saving lesson plans, as well as thought-provoking student projects and activities to enhance student learning and retention. Ken Bollinger, Curriculum Sales Consultant, CEV Multimedia Host: Clifford Akujobi, Education Consultant Manager, Office of Adult Education and Community College Services, Workforce Development Agency
Thornapple Session B ■	Help Students to Earn College Credit Now...It Can Reduce the Time to Degree and Student Debt Later Providing opportunities for students to begin college while in high school helps students to establish a seamless transition between high school and college, but can also help students to reduce their time to degree and future student debt. These programs are beneficial in helping you strengthen your secondary/postsecondary relationships while helping students to get a jump-start on their college education. Deedee Stakley, Director, Transfer Services Center, Ferris State University Toni Glasscoe, Director of K-12 Relations, Lansing Community College Host: Leah Melichar, High School Transfer Credit Specialist, Ferris State University

Vandenburg A
Session B

JAC3 E/MC Model

The JAC3 E/MC is a unique learning program that creates a pathway for Jackson County HS students to simultaneously earn their HS diploma, college credit (leading to a recognized certificate program up to an Associate Degree), a technical/career credential, as well as participation within a school-to-registered apprenticeship and the opportunity for employment upon graduation—all while remaining at their local HS.

Dan Draper, Assistant Principal, Jackson Area Career Center

Mark Pogliano, Principal, Jackson Area Career Center

Host: Beverly Brown, Program Consultant, OCTE/MDE

Vandenburg B
Session B

Keynote Speaker Breakout Session

Dr. Paul Hernandez is an educator and social activist who believes that at-risk students can succeed in careers and college if we change the way that we work with them and relate to them. Drawing on his own experiences and his extensive work with K-12 and college students, he has developed a pedagogical approach he describes as “real talk” - an instructor-led discussion surrounding a series of broad, engaging themes that motivate student-oriented outcomes, created to establish connections, understanding, trust, empathy and caring for one another.

Paul Hernandez, Keynote Speaker, RealTalk

Host: Christine Black, Education Consultant, OCTE/MDE

2:45 p.m. - 3:15p.m.Exhibitor Break.....Center Concourse
(Refreshments available in Center Concourse)

Session C

3:15 p.m. – 4:15 p.m.

Ambassador
East
Session C

Homeless Youth? HERE??

Over 900 Michigan schools enrolled 40,000+ homeless students in 2013-14. Nearly 5,000 were unaccompanied homeless youth, living on their own, without parents or guardians: couch-surfing, on the street, with friends, relatives or strangers. It is highly likely that several of these youth attend YOUR school. Let's talk about how to identify them and help them stay in school, succeed in school, and even go on to higher education!

Pam Kies-Lowe, State Coordinator for Homeless Education, Michigan Dept. of Education, Office of Field Services, Special Populations Unit

Menachem Kniespeck, President and Founder, Operation Kid Equip/MI Friends of Education

Host: Toni Glasscoe, Director of K-12 Relations, Lansing Community College

Ambassador
West
Session C

Targets, Achievement and Data, Oh My! Using Formative Assessment to Improve Student Achievement in CTE

The Muskegon Area Career Tech Center has participated in the Formative Assessment for Michigan Educators (FAME) initiative for the past three years. Learn how CTE instructors have implemented formative assessment to increase student independence and achievement. Walk away with effective strategies and tools that will work for you and your students.

Annlyn McKenzie, English Consultant, Muskegon Area Career Tech Center

Kathleen Andrews, Health Science Academy Instructor, Muskegon Area Career Tech Center

Marshall Lystra, Auto Service Technology Instructor, Muskegon Area Career Tech Center

Jennifer Glombowski, Environmental and Veterinary Sciences, Muskegon Area Career Tech Center

Host: Dominic Hasbrouck, Student, West Shore Community College

Cascade
Session C

Integrating ELA into CTE Law Enforcement and Future Educators Courses-For Credit

We will demonstrate the curricula we developed in Law Enforcement-ELA and Future Educators-ELA as a recipient of a 2013-14 OCTE CTE-Academic Integration grant. The curricula will enable districts to grant English 12 credit along with CTE credit to students who successfully complete the courses.

Nancy Greeley, Consultant, Macomb ISD

Sandra Stanley, Consultant, Macomb ISD

Karen Chaffee, Educator, Macomb ISD

Elsie Ritzenhein, ELA Consultant, Macomb ISD

Host: Madelynn Edmondson, Student, West Shore Community College

Emerald A Session C □	Create a Meaningful EDP Process Through Literacy and Critical Thinking Tasks This session highlights how TBAISD (Traverse Bay ISD and CTE (Career Technical Education) Consultant Group LLC provide students with opportunities to blend career exploration, Career Cruising, and Common Core literacy standards via online learning. Participants will receive an overview of the online career exploration course that integrates problem solving lessons with EDP and Language Arts grade level expectations. Gloria Barnett, President, CTE Consulting Group LLC Michelle Moeggenberg, Student Achievement Data Specialist, TBAISA Andrea Burks, Secondary Literacy Consultant, TBAISD Jason Jeffery, Asst. Superintendent General/Career Technical Education, TBAISD Host: Kylie Bauman, Student, West Shore Community College
Emerald B Session C □	Building a Classroom Community Strategies to build a classroom community where students are proud to be classroom community members. The presenter is a product of what CTE can do for someone who has limited options for a bright future. Participants will gain the understanding of students background and how CTE pride can give students something to build on. The presenter will be sharing compiled research and example of how that information is put to use in the classroom. Denny Holt, Automotive Instructor, Grand Blanc High School Host: Whitney Graczyk, Student, West Shore Community College
Gerald R. Ford Session C ❖	Blogs! The Easiest Tool for Better Writing, Technology Skills, and Classroom Community When done right, student blogs are a wonderful way to develop strong writers, bring in technology, and build a rich classroom community. Join this session to find out just what a blog is (you might be surprised), why they are so fun, and how to integrate them into ANY curriculum to enrich student learning. More writing, more engagement, and less struggle! Sarah Bernstein, ELA Teacher, TBAISD Career Technical Center Host: Brandie Hayboer, Student, West Shore Community College
Governors Ballroom Session C ○	Who is Driving Your Bus? This presentation is based on brain research to show how thoughts affect attitude, stress level, health, and ultimately relationships. We will discuss ways to rewire brain circuitry to create a new attribute we desire in ourselves. Learn to better understand students, coworkers, and maybe even learn something about yourself! Kirk Wyers, Executive Director of Career and Technical Education Services, Newaygo County Regional Educational Service Agency Sandy Tower, Counselor, Newaygo County Regional Educational Service Agency Host: Beverly Brown, Program Consultant, OCTE/MDE
Haldane Session C ❖	Using Common Core and NGSS “Practices” for STEM and EDP Relevance Participants will understand how skills and knowledge in new Common Core and NGSS “practices” connect to the world of work, STEM careers and students’ EDPs. This interactive session will provide ideas for teachers and inform counselors, administrators and support staff how to create career-connected programs for grades 7-12. Kristen Garceau, Project Coordinator, Career Resource Connection Host: Brittany Seprion, Student, West Shore Community College
Heritage Hill Session C ❖	Collaborating to Build Flight Simulators A successful example of interdisciplinary collaboration will be unveiled. Experience an amazing product designed and built by students, for students which increases the technical abilities for all. Paul Fedeles, Instructor, Calhoun Area Career Center James Paxton, Instructor, Calhoun Area Career Center Host: Austin Shepler, Student, West Shore Community College
Imperial Ballroom Session C ◆	Getting to Work: Career Navigation for CTE Students in Michigan In this interactive session, you'll have the opportunity to share your experiences, ideas, and expertise on Michigan's classroom-to-career pipeline. The ideas and priorities you share will contribute to a statewide dialogue on Michigan's job and skills market. Have your say! Represent your knowledge as a career and technical educator in this community conversation, and help make Michigan better. Amber DeLind, Outreach Director, The Center for Michigan Host: Krishnan Sudharsan, Education Research Consultant, OCTE/MDE

Kendall Session C ❖ Vendor Session	Meeting the NEW NATEF Standards with New CDX With the new NATEF standards being rolled out, CDX has been hard at work to bring you an all new fully integrated CDX training system which will make accreditation easier than ever while giving your students access to even more engaging and interactive content. CDX has created the most comprehensive training system available; including the release of their brand new textbook and e-textbook, hours of brand new procedural videos shot in HD, over 100 new interactive animations, all on our custom Moodle Learning Management System ready for your own personalization. Randy Haubner, CDX-Jones and Bartlett Learning Host: Sandy Stoddard, Transfer Services Center, Ferris State University
Pearl Session C ●	Tech Tools Update This presentation will provide an overview of new online resources that are available for CTE instructors to use when integrating and supporting academic content in the curriculum. The internet based resources are evolving and creating new more useful tools including simulations, videos, resources from the Google and Khan Academy, professional organizations and many other sources. Mike Ennis, Associate Professor, Ferris State University Jim Powell, Director, Ferris State University Host: Gretchen Spedowske, Career and College Readiness Consultant, Char-Em ISD
Ruby Session C ◆	Building Successful Community Partnerships Using Project Based Learning How do we make the critical connections within our community? What are the necessary ingredients to capture the students? What are the necessary ingredients to capture the right community partners? What is CTE's role in community partnerships? How can we cultivate project based learning and business to create a "win" on both sides? What are the long term outcomes? Anne Wojtkowski, Adjunct associate professor, West Shore Community College Host: Leah Melichar, High School Transfer Credit Specialist, Ferris State University
Thornapple Session C ■	The PRE Study and What We Can Learn From It The speaker just completed an interesting study in which he had highly effective teachers take all three sections of the PRE. Only 38% of the teachers passed the PRE. What does this mean for the future supply of CTE teachers? What alternatives do those wishing to become certified in CTE have? Attend to find out! Adam Manley, Assistant Professor of CTE, Western Michigan University Host: Joseph Baynesan, Higher Education Consultant, Workforce Development Agency
Vandenburg A Session C ■	Partnering to Protect and Serve: Lansing Community College and Eaton RESA's Public Service Careers Program Learn how Eaton RESA and Lansing Community College are partnering to prepare students for college and careers in Criminal Justice through the Public Service Careers Program of Study. Partners will learn how this post-secondary option for students provides an engaging experience that includes academics and practical hands-on activities that support the theory. Come and be arrested by this secondary/post-secondary collaboration. Frank Medrano, Instructor, Lansing Community College / Eaton Regional Education Service Agency Michael Wiltse, Instructor, Lansing Community College Public Service Careers / Clinton County Regional Education Service Agency Host: Brian Pyles, Regional Director, Career and Technical Education, Berrien RESA
Vandenburg B Session C ◆	Qualifying For "A Skilled Trade Apprenticeship"; Operating Engineers Local 324 JATF This presentation will answer many questions about today's apprenticeship. What are the requirements to qualify for the operating engineers apprenticeship? What classes can a student take to prepare for apprenticeship? What is the earning potential of an operating engineer? What exactly does an operating engineer do? John Hartwell, Apprentice Coordinator, Operating Engineers Local 324 JATF Host: Kris Jenkins, Career and Technical Education Director, Calhoun ISD

Tuesday, February 3

7:00 a.m. - 11:30 a.m.Registration/Information/Exhibitors.....Center Concourse
7:00 a.m. - 8:00 a.m.Breakfast Buffet.....Crown Foyer

Session D

8:00 a.m. – 9:00 a.m.

Atrium

Session D



Coaching Employers to Internship Success

Do employers consider you the “resident expert” for your school/district when it comes to internship best practices? If your answer is “yes” this workshop is for you! You will learn the five steps that employers should implement when starting an internship program. Sharing this information with your employer partners will increase the quality of your students experiences benefitting everyone involved. Each attendee will walk away with tangible tools that can be modified by you or employers.

Trudy Ngo-Brown, Career Readiness Consultant, Kent ISD

Host: Dominic Hasbrouck, Student, West Shore Community College

Berkey

Session D



Academic Credit in Career and Tech Ed. A Multipurpose Program for 9th and 10th Grade Students

Academic credit in CTE. A program for 9th and 10th grade students. This program has opened up an opportunity for lower level students to attend CTE, while gaining Michigan Merit Curriculum credit. The students gain MMC credit in a different delivery. Unique funding makes the expenses of this program accessible. Dividing the costs eases the financial burden for these districts.

Mike Hoffner, Principal, Branch Area Careers Center

Ben Miller, E-2020 instructor, Branch Area Careers Center

Linda Beemer, Guidance Counselor, Branch Area Careers Center

Host: Jarret Deisch, Student, West Shore Community College

Cascade

Session D



Math Credit Embedded in All Kent Career Tech Center Programs

This session will present an exciting new development which expands opportunities for students to earn their required senior year/math related credits while in CTE programs. Every KCTC program has either a half or a full math credit embedded in its curriculum. The credit is determined based on pre-tests and post-tests which are delivered by a learning management system called Edify.

Duane Kiley, Asst. Principal, Kent Career Tech Center

John Kraus, Principal, Kent Career Tech Center

Lisa Hungerford, Culinary Arts Instructor, Kent Career Tech Center

Kim Westdorp, Graphic Arts Instructor, Kent Career Tech Center

Marc Shulz, Consultant, Kent Career Tech Center

Rusty Anderson, Math Consultant, Kent Career Tech Center

Host: Brandie Hayboer, Student, West Shore Community College

Emerald A

Session D



Promoted: A Route to CTE Teacher Certification

Pro-Mo-TEd: Participants will learn about the application requirements and the coursework required for the Promoted Program; a certification program for CTE instructors. Emphasis will be placed on what it takes to make the students successful including how to maintain professional cohorts of students from a wide graphical area with the use of current technology.

Mike Ennis, Associate Professor, Ferris State University

Michelle Richardson, Vocational Authorization Officer, Ferris State University

Host: Kylie Bauman, Student, West Shore Community College

Emerald B

Session D



RealCareer Welding Solutions: Tools Designed to Improve Your Program

Give your students hands-on experience to gain proper welding techniques with new technology. RealCareer welding solutions help students gain quality welds quicker. Preview the NEW guideWELD LIVE real welding guidance system and guideWELD VR welding simulator to see how this solution combination can benefit your program

Seth Short, Account Manager, RealityWorks

Host: Halyna Bialczyk, Career and Technical Education Consultant, Wayne RESA

Gerald R Ford Session D ❖	NOCTI Test Data: It Is More Than Just Numbers You do not need to be a “miner” to “mine” test data. Join NOCTI to discuss the value of data for targeting learning gaps, identifying areas for curricular improvement, and tracking trends. Participants will learn about techniques for analyzing data from NOCTI or any other industry-based credential providing granular-level data. Heidi Speese, Senior Project Coordinator, NOCTI Host: Madelynn Edmondson, Student, West Shore Community College
Governors Ballroom Session D ○	Teacher Certification for CTE Programs Are you properly certified? Teacher certification is confusing. Get the answers you need in this session. Learn the certification rules to become initially certified and renew and progress your occupational teaching certificates. Learn where to find the resources for CTE administrators to help with teacher placement for annually authorized and certified teachers. Deborah Ryan, Department Analyst, Michigan Department of Education Host: Whitney Graczyk, Student, West Shore Community College
Grand View Session D □	Virtual Counselor: A New, All Inclusive Career and Course Planning Program/App Finally...a career/course planning software program that maps “bright outlook” careers to college courses! Students of any age can research “bright outlook” careers and then choose a Michigan college to see the college courses required to earn the respective certificate or degree to gain entry-level employment. Jenny Griffith, President, Virtual Counselor Toni Glasscoe, Director, K-12 Relations, Lansing Community College Host: Brittany Septrion, Student, West Shore Community College
Imperial Session D ◆	Building the Industry Pipeline through Education Business Partnership Join us for a close look at Oakland Schools' Education Business Partnership (EBP) framework. The EBP provides alignment between Career Technical Education, postsecondary, apprenticeship and the sustainability of industry within the region. Participants will leave with a roadmap for developing viable business partnerships to increase career pathways for student success! Cynthia Scherphorn, Instruction, Resource and Career Development Consultant, Oakland Schools Lisa Gordon, Career Liaison, Region 10, Workforce Intelligence Network Host: Joseph Baynesan, Higher Education Consultant, Workforce Development Agency
Pantlind Ballroom Session D ❖	Getting Started with Microsoft Office Certification at Your School Microsoft Certification is one of the most demanding and respected endorsements in the industry. Earning a Microsoft Certification can help differentiate individuals in today's competitive job market, broaden employment and internship opportunities by displaying advanced skills. This session will help you understand the value of the certification and how to successfully implement the Microsoft Office Certification program in your classroom. Lori Troy, Director of Certification Deployment, Certiport Inc. Tom Knight, CTE Curriculum Consultant, OCTE/MDE Host: Sandy Stoddard, Transfer Services Center, Ferris State University
Pearl Session D ■	MCAN's Statewide Initiatives Strategy: Guiding Students Through the Steps Toward College The Michigan College Access Network supports a suite of statewide initiatives that coincide with the college-going process during a student's senior year. Initiatives such as College Application Week and Decision Day can be implemented in high schools and career tech centers. Learn how to organize these initiatives in your building. Christi Taylor, Director of Statewide Initiatives, Michigan College Access Network Host: Michelle Radcliffe, Career and Technical Education Coordinator, Livingston Educational Service Agency

Ruby Session D	Pharmacology for Medical Careers PassAssured's Pharmacology for Medical Careers has enhanced its curriculum and added components to the program. The pharmacology program continues to provide the opportunity to gain pharmacy technician credentials through national certification exams. Pharmacology for Medical Careers also provides a valuable program for future registered nurses, pharmacists, medical technicians, physician assistants, and medical doctors. Nick Milasnovich, National Sales Manager, PassAssured, LLC Host: James Taylor, Dean of Health and Public Service, Kalamazoo Valley Community College
❖ Vendor Session	
Thornapple Session D	Ferris State Center for College Readiness: Preparing Students for Post Secondary Academics Ferris State's Center for College Readiness provides pre-college preparatory programming to secondary institutions. Providing these secondary students with developmental, career planning, and general education courses may help students reduce their college debt and reduce their time to a degree. This presentation discusses FSU's various programs, admissions requirements, and partnership development. Leah Melichar, High School Transfer Credit Specialist, Ferris State University DeeDee Stakley, Director, Transfer Services Center, Ferris State University Host: Sheree Price, Higher Education Consultant, Workforce Development Agency
■	
Vandenberg A Session D	NATEF Accreditation Update There have been many changes to the NATEF Accreditation process in recent years. This session will provide answers to questions such as, "what will be different when I re-accredit" and/or "what is needed to begin the accreditation process." Beti Yoder, Midwest Manager, ASE Industry Education Alliance Host: Kris Jenkins, Career and Technical Education Director, Calhoun ISD
❖	
Vandenberg B Session D	Not Your Father's Apprenticeship: How Non-Traditional Apprenticeships are Preparing Students for High Demand Careers Join us for a lively panel discussion on non-traditional apprenticeship programs from around Michigan. Hear perspectives from employers, students, and educators from programs including Michigan Advanced Technician Training (MAT2), Northwestern Michigan College Software Developer Apprenticeship Program, and the State of Michigan's Department of Technology, Management, and Budget that are preparing students for careers in Information Technology. Jacqui Mieksztyn, Manager, Talent Programs, Michigan Economic Development Corporation Marcia Black-Watson, Industry Talent Director, Workforce Development Agency, State of Michigan Host: Dana Hughes, Education Consultant, OCTE/MDE
◆	

9:00 a.m. - 9:15 a.m.Exhibitor Break.....Center Concourse
(Refreshments available in Center Concourse)

Session E

9:15 a.m. – 10:15 a.m.

Atrium Session E	Stakeholder to Shareholder: Flexing Your Language Style for Maximum Impact Understanding the generations allows Career Educators to flex styles to "speak" in the language of students, parents, employer partners, and education personnel for maximum program buy-in. Learn how to modify your language and approach to mirror your audience so maximum buy-in can be created. Krista Harmon, Career Exploration Coordinator, Kent ISD Host: Dominic Hasbrouck, Student, West Shore Community College
◆	
Berkey Session E	BACC Robotics and Automation: A Look at the Development of a New Robotics Program for Career and Technical Education Students This session will focus on the new FANUC Robotics program at the Branch Area Careers Center and how it brings four of the Engineering, Manufacturing and Industrial Technology programs to the next level. Discussion will include the unique "Partners in Progress" tour that combined key area business, industry and education leaders from the county. Benjamin Miller, Robotics Program Manager, Branch Area Careers Center Mike Hoffner, Director, Branch Area Careers Center Jennifer Searls, Career Development Coordinator, Branch Area Careers Center Host: Nikki Rogers, Program Consultant, OCTE/MDE
❖	

Cascade Session E	<p>Integrating Physics into CTE Mechatronics--For Credit</p> <p>Participants will learn from one of the 2013-14 OCTE CTE-Academic Integration grant recipients how CTE mechatronics and physics instructors worked together to create a fully integrated curriculum that addresses 100% of CTE mechatronics standards AND physics content expectations. Students completing this program can earn 1 credit of CTE and 1 credit of physics simultaneously, with some content delivered virtually.</p> <p>Scott Palmer, Career and Technical Education Regional Administrator, Macomb ISD Scott Spry, Mechatronics Instructor, Utica Community Schools Jim Licht, Director, St. Clair RESA Mathematics and Science Center</p> <p>Host: Gretchen Spedowske, Career and College Readiness Consultant, Char-Em ISD</p>
Emerald A Session E	<p>Insights into College Selection</p> <p>On a national survey of 200,000 freshmen, "Academic Reputation" was the number one response when asked why they chose their college. Suspicious, Dr. Adam Manley conducted a survey of college students to determine the real factors in college selection. He will share the findings along with counseling tips teachers can use to help CTE students make a more rational college selection.</p> <p>Adam Manley, Assistant Professor of Career and Technical Education, Western Michigan University</p> <p>Host: Kylie Bauman, Student, West Shore Community College</p>
Emerald B Session E	<p>Career and Technical Education: The New Nexus of Education</p> <p>Jobs are available, but will our students be qualified to get them? Today's Career Technical Education is evolutionary in education and facility planning, bridging gaps between traditional education and new environments. We will examine the new Genesee Career Institute, which transforms the existing Skill Center into a "next generation" CTE.</p> <p>Denise Belt, Director of Career and Technical Education, Genesee ISD Theo Pappas, Senior Planner, Stantec Architecture Inc.</p> <p>Host: Beverly Brown, Program Consultant, OCTE/MDE</p>
Gerald R. Ford Session E	<p>Teacher Testing Tips</p> <p>Learn how you can better prepare your students for the Skill Connect® assessment process. Useful tips and tools will be shared with the participants that are applicable to any testing process. Topics covered: various resources available to prepare students and where to find them, blueprint overview, overview of Skill Connect Certificates and reporting tools.</p> <p>Lana Ford, SkillsUSA Outreach Specialist, SkillsUSA Tammy Brown, Michigan Director, Skills USA</p> <p>Host: Madelynn Edmondson, Student, West Shore Community College</p>
Governors Ballroom Session E	<p>Troops-to-Teachers: A Statewide Awareness Initiative</p> <p>Learn about the Troops-to-Teachers initiative to recruit military personnel and veterans who aspire to teach in Career and Technical Education classrooms. The presenters share information about all aspects of the program, including an overview of participants' visits to local Career Centers. Resources from the 2014-15 Teacher Education grant funded the project.</p> <p>Janet Haas, Adjunct Faculty, Wayne State University Geraldyn Stephens, Associate Professor-Clinical, Wayne State University Edwardeen Jones, Michigan Program Manager, Michigan Department of Education</p> <p>Host: Whitney Graczyk, Student, West Shore Community College</p>
Grand View Session E	<p>Setting Up Students to Identify, Connect and Build Transferable Skills</p> <p>The High School Diploma Completion Initiative at Lansing Community College supports at-promise students, aged 16-19, in earning their diploma. The two key components of this journey consist of supporting students in the development of transferable skills through a systematic introduction of campus/community resources and providing work-based learning lessons and opportunities. Learn about this model and resources that move students from self-assessment to action!</p> <p>Kelli Hatfield, Director, High School Diploma Completion Initiative, Lansing Community College</p> <p>Host: Brandie Hayboer, Student, West Shore Community College</p>

Haldane Session E □	Career Awareness for High-Demand Skilled Trades and Training Help close Michigan's "Skills Gap"! Introduce students to high-demand skilled trade careers with new materials developed in collaboration with the State of Michigan Workforce Development Agency. A comprehensive guide and a series of ready-to-use lesson plans developed by a Michigan teacher helps students explore 24 careers and find training. Beth Troost, Financial Education Manager, Michigan Credit Union League Marcia Black-Watson, Industry Talent Director, Workforce Development Agency, State of Michigan Host: James Taylor, Dean of Health and Public Service, Kalamazoo Valley Community College
Imperial Ballroom Session E ◆	K-12 and Industry Meet: Connecting Education and Business for Talent Pipeline Development Connecting industry to the education system is a critical component in strengthening the state's workforce and the economy—but it can be challenging. In this session, you'll have the opportunity to learn about national best practices in employer engagement with schools, and hear more about bringing those practices to Michigan! Lisa Gordon, Career Liaison, Workforce Intelligence Network Adrian Crabb, Director of Marketing and Research, Velocity Learning Systems Host: Austin Shepler, Student, West Shore Community College
Kendall Session E ❖	Personalized Mapping and Focused Collaboration to Make Sense of Segment Delivery and Literacy Integration Learn how to determine a schedule of CTE segment delivery, key concepts, learning targets, assessments and alignment of CTE and academic standards. This process will ensure both CTE and literacy standards are delivered in a rigorous and relevant manner and, above all, that students are mastering the content. Annlyn McKenzie, English Consultant, Muskegon Area Career Tech Center Sandra Goodrich, Business Careers Instructor, Muskegon Area Career Tech Center Kathy VanTil, Allied Health Instructor, Muskegon Area Career Tech Center Host: Jarret Deisch, Student, West Shore Community College
Pantlind Ballroom Session E ○	Do you have ESP? Experiential Service Projects (ESPs) are integral to the career-tech experience in Newaygo County! ESPs combine project-based and service learning techniques with 21st Century Skills. Come learn how you can duplicate these student-driven projects that utilize the skills students are learning in CTC programs while solving real community problems and enhancing civic responsibility. Kirk Wyers, Executive Director of Career and Technical Education Services, Newaygo County Educational Service Agency Sandy Tower, Counselor, Newaygo County Regional Educational Service Agency Host: Sandy Stoddard, Transfer Services Center, Ferris State University
Pearl Session E ●	An Introduction to "The Internet of Things" More things are connecting to the Internet than people. Some predict that some 25 billion devices will be connected by 2015. How will our world change when everything is connected, what are some of the technologies driving this change, and how can we prepare our students? Keith Kelly, Program Coordinator - Robotics and Automation, Northwestern Michigan College Host: Michelle Radcliffe, Career and Technical Education Coordinator, Livingston Educational Service Agency
Ruby Session E ◆	Career Connections - A Case Study in Bringing Incredible Opportunities to ALL Students This session will be utilized to discuss unique school and community partnerships. Based in St. Louis, MO, this program has seen an incredible growth with student participation as well as local businesses. This session is best suited for individuals working with students or hoping to partner with schools. John Capuano, Director of Career Connections, Maplewood Richmond Heights High School Host: Sheree Price, Higher Education Consultant, Workforce Development Agency
Thornapple Session E ■	Implementing Concurrent Enrollment at Your Institution With the assistance of the Statewide Transfer/Articulation Agreement Partnership Grant from the State of Michigan, COOR Career and Tech Center and Kirtland Community College have developed concurrent enrollment policies and procedures. We will discuss our process, share our documents and share our successes and challenges. Laura Percival, Dean, Kirtland Community College Dan Beltz, Career and Technical Education Director, COOR ISD Host: Lisa Siegel, Secondary Programs Promotion Coordinator, Shiawassee Regional School District

Vandenberg A
Session E

❖

Books and Blowtorches: Using Reading Strategies to Address the English Common Core State Standards in CTE Programs
This session will demonstrate the strategies used to incorporate in-depth reading throughout various CTE programs. Focus will be put on how these strategies help prepare students for the reading comprehension portion of the MME/ACT and how they correlate to the requirements put forth by the Common Core State Standards initiative.

Steven Ambs, Integrated English Instructor, Van Buren Technology Center
Adam Westhouse, Integrated English Instructor, Van Buren Technology Center
Megan Zapalowski, Integrated English Instructor, Van Buren Technology Center
Chris Roberts, Integrated English Instructor, Van Buren Technology Center

Host: Elizabeth Collins, Education Consultant, OCTE/MDE

Vandenberg B
Session E

❖

Getting Teens and Teachers Connected with No Cost Resources for College and Careers
The Michigan eLibrary, <http://mel.org> has a new look and feel along with a new Teens Gateway where students and teachers can find excellent resources available at no cost to assist with college and career readiness. Michigan teachers should also know about the Michigan Online Resources for Educators in MeL. In it they can find professional and curricular resources for instruction.

Deb Biggs Thomas, Michigan eLibrary and Outreach Coordinator, Library of Michigan/MDE
Barb Fardell, Education Technology Consultant, Michigan Department of Education

Host: Clifford Akujobi, Education Consultant Manager, Office of Adult Education and Community College Services, Workforce Development Agency

10:15 a.m. - 10:30 a.m.Exhibitor Break.....Center Concourse
(Refreshments available in Center Concourse)

Session F

10:30 a.m. – 11:30 a.m.

Atrium
Session F

□

Help Your Students Save Time and Money: An Online Career Exploration Course Opportunity
Help your students to find their passion as they explore career possibilities. Many students leave high school unsure of which career path they will choose. Ferris State University offers an online course which allows high school students to earn college credit while exploring self-assessments and other resources via the web. Learn how your school can provide this opportunity to students.

Gloria Barnett, Professor, Ferris State University

Leah Melichar, High School Transfer Credit Specialist, Ferris State University

Host: Austin Shepler, Student, West Shore Community College

Berkey
Session F

❖

FREE Linux Course Materials
If you teach Linux, a free open-source operating system, but need curriculum content, attend this session to find out about a free course with sixteen chapters, thirteen lab exercises, assessments, virtual Linux machines, and instructor presentation materials. The course is offered in an online learning management environment and prepares students to take the Linux Essentials Professional Development Certificate, <http://www.lpi.org/linux-certifications/entry-level-credential>.

Paul Fedele, Linux+, Networking Instructor, Calhoun Area Career Center

Peter Anderson, Associate Professor, Davenport University

Elaine Horn, Cisco Academy Program Manager, Tri-Rivers Educational Computer Association

Host: Jarret Deisch, Student, West Shore Community College

Cascade
Session F

❖

Engage Health Science students and Prep for Assessments and Certifications
Come and experience HealthCenter21---a blended learning curriculum that teaches skills and concepts, leads to certification success, and meets Michigan, NOCTI and NCHSE standards. This presentation will provide attendees with an understanding of the HealthCenter21 system from Applied Educational Systems. Attendees will see how HC21 prepares students for assessments and certifications.

Mike Collins, Director of Business Development, Applied Educational Systems

Host: Brandie Heyboer, Student, West Shore Community College

Vendor Session

Emerald A Session F ❖	Accessing and Using Valuable National Health Science Assessment “NCHSE” Data with Precision Exams Online System The NCHA Certificate provides tremendous value to CTE programs: <ul style="list-style-type: none"> • Students – earn an industry certificate sponsored by NCHSE • Educators – gain access to reports to help inform instruction This session will focus on learning how to access and use data that is INSTANTLY available to you as students PRE and POST test. Adam Sanchez, Regional Managing Director, Precision Exams Joe Anderson, Principal, Livonia Career Technical Center Host: Kylie Bauman, Student, West Shore Community College
Emerald B Session F □	Stress Management for the CTE Educator What is stress? How and why does it affect you as an educator? How does it impact your students? You will learn and practice some simple techniques for reducing stress and avoiding burn-out. Practical skills learned in this session can be taken back and shared with your colleagues and students. John Bayerl, CTE/Perkins Supervisor, Dearborn Public Schools Host: Whitney Graczyk, Student, West Shore Community College
Gerald R. Ford Session F ◆	CareerSafe Online - OSHA 10-Hour Training and Credentialing Program CareerSafe is the leading provider of online OSHA 10-Hour courses, and the only program designed specifically for youth ages 16-24 years of age. With this program, students receive an industry recognized credential. CareerSafe is applicable across all National 16 Career Clusters and meets the needs for safety education in today's CTE classroom and lab settings. Lana Ford, Education Outreach Specialist, CareerSafe Online Holly Pontius Stout, Building and Construction Instructor, Muskegon Career and Technical Center Host: Madelynn Edmondson, Student, West Shore Community College
Grand View Session F ◆	Where Are the Jobs, How Do Students Get Them? A Data-Driven Approach to Understanding Job Market Demand Understanding job market demand is critical for improving student employment outcomes. This session will use real-time LMI data to explore key job market trends, identify emerging and hard-to-fill jobs, and pinpoint the skills and credentials required for these positions. Special emphasis will be placed on STEM, manufacturing, and healthcare roles. Will Markow, Research Analyst, Burning Glass Technologies Host: Brittany Seprion, Student, West Shore Community College
Haldane Session F ◆	Registered Apprenticeships Today and Tomorrow Russ will give a report on Registered Apprenticeships today in Michigan. Russ will also show new areas of RA and how this can work across the state. Time will be allowed for questions and answers. Russ Davis, State Director, USDOL/Office of Apprenticeship Host: Toni Glasscoe, Director of K-12 Relations, Lansing Community College
Paitlind Ballroom Session F □	Career Preparation Academy: Preparing At-Risk Youth for Career Success Looking for a way to encourage middle school at-risk youth? The Career Preparation Academy promotes career awareness, STEM activities and effective lessons designed to inspire struggling students. During these meaningful trips to the Wexford-Missaukee Career Technical Center, 7th and 8th grade students work with high school students to explore career opportunities. Todd Schultz, Teacher Consultant, Wexford-Missaukee Career Technical Center Melinda Cucinella, Teacher Consultant, Wexford-Missaukee Career Technical Center Host: Halyna Bialczyk, Career and Technical Education Consultant, Wayne RESA
Pearl Session F ●	TRAC - How to Receive Free Tools for the Classroom! Transportation and Civil Engineering (TRAC) is a free program that provides teachers with curriculum-enhancing, hands-on tools for their math, science, and social science classes. Tools include motion detectors, photogates, software, foam blocks and magnets for magnetic levitation cars, balsa wood, etc. TRAC is a sustainable program and we replace all of the consumables, at no charge, to the teachers! Brenda Kragt, TRAC Region Coordinator, Michigan Department of Transportation Host: Sandy Stoddard, Transfer Services Center, Ferris State University

Ruby
Session F



Building Successful Blended and Online Learning Programs

Blended and Online learning has become a significant part of successful student achievement and career preparation. Come join Edgenuity for a session on how to build and implement successful blended and learning programs to prepare students for career and college readiness. Participants will learn best practices based on examining successful school models.

Greg Bishop, Account Executive, Edgenuity

Host: Clifford Akujobi, Education Consultant Manager, Office of Adult Education and Community College Services, Workforce Development Agency

Thornapple
Session F



Automotive Statewide Articulation Agreement

Delta College is pleased to be able to provide a statewide articulation agreement to benefit secondary students in a state-approved NATEF AAS Master Automotive Services Technician program. We will explain the agreement and how you and your students can receive articulation credits.

Emily Clement, Director of Strategic Partnerships, Delta College

Thomas Coats, Program Coordinator/Assistant Professor, Delta College

Host: Lisa Seigel, Secondary Programs Promotion Coordinator, Shiawassee Regional School District

Vandenberg A
Session F



Engaging Students in a Real World Experience Operating a Virtual Business

Learn about Virtual Enterprise International (VEI) which is a simulated business set up and run by students. Students experience all facets of being an employee in a firm as they engage in actual business tasks, activities, and transactions including trading with other simulated firms around the world.

Cyndi Millns, State Program Coordinator, Virtual Enterprises International

Amy Barrett, Educator, Laingsburg High School

Andrew Mains, Educator, Owosso High School

Host: Dominic Hasbrouck, Student, West Shore Community College

Vandenberg B
Session F



Michigan Advanced Technician Training (MAT2) Program

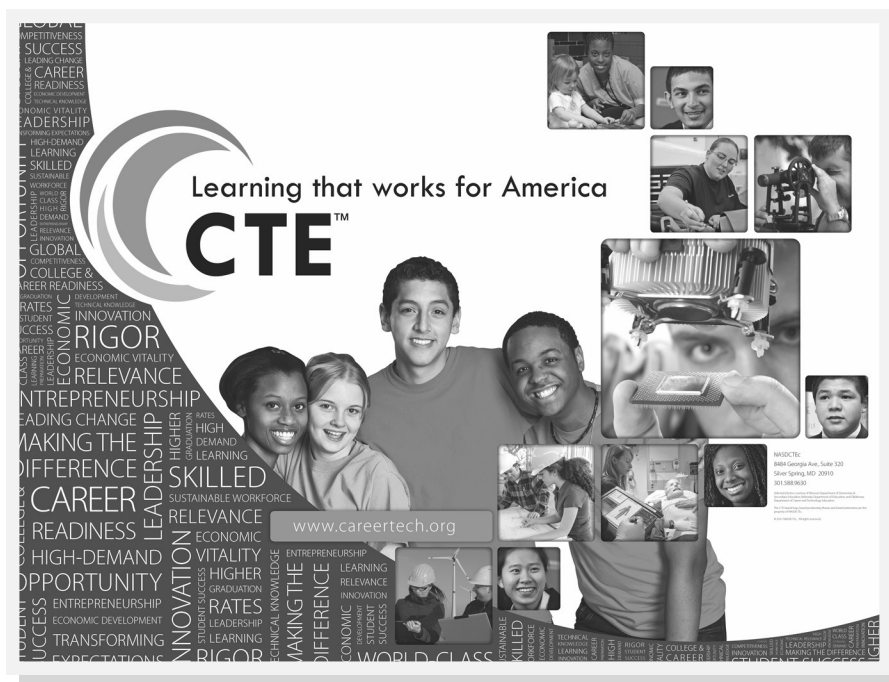
The presentation/panel discussion on the Michigan Advanced Technician Training (MAT2) program will feature an overview of this industry-defined postsecondary initiative for students interested in gaining real-world, hands-on experience in the manufacturing and technology industries, and how students may apply.

Ryan Hundt, Project Coordinator, Michigan Economic Development Corporation

Patrick Hillberg, Solutions Architect, Siemens

Janene Erne, Apprenticeship Coordinator, Oakland Community College

Host: Dana Hughes, Education Consultant, OCTE/MDE





Ambassador Ballroom

Simply Special

Ben shares his story of growing up LD and of the difference that teachers made in his life. The audience will get a glimpse of what goes on in an ADDer's mind stated in a way that they've never heard before.

Ben Glenn was diagnosed with Dyslexia and other Learning Disabilities while in grade school. As an adult, he also learned that he has had ADHD all along and suddenly everything clicked into place.

Dropping out of college to pursue a love of art and speaking, Ben has been a full time speaker since 1995, traveling to every part of the United States as well as to more remote places like China, Australia, and Thailand. He blames his ADHD...but secretly, he's happy about it.

Sponsored By:



Awards Ceremony and Door Prizes

(Must be present to win. To enter, turn in your name tag!.)

Thank you to the exhibitors who have donated door prizes!

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Northville, MI 48167
(800) 348-8447 - gzydeck@atctrain.com

Applied Technology Systems

PO Box 250232
Franklin, MI 48301
(586)612-9706
PaulA@atsmich.com

BES-SOLUTIONS

150 Industrial Drive
Mansfield, OH 44904
(800)522-0460 - arossner@bes-solutions.com

CareerSafe Online

1005 University Drive East
College Station, TX 49337
(979)260-0030
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Central Michigan University

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Mount Pleasant, MI 48859
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smith1ej@cmich.edu

CEV Multimedia

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DASI Solutions

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Energy Concepts Inc. (ECI)

404 Washington Blvd.
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(800)621-1247 - lliddell@ecimail.com

Ferris State University (FSU) - DCCL

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Big Rapids, MI 49307
(231)591-2710
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FSU - School of Education

1349 Cramer Circle, Bishop 416A
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Goodheart-Willcox Publisher

18604 West Creek Drive
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(708)623-1827 - jcastelli@g-w.com

InVEST/Michigan Association of Insurance Agents

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(703)706-5400
rlamoreaux@michagent.org

Job Skill Technology, Inc.

1000 N. Opdyke D-2
Auburn Hills, MI 48326
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Michigan Virtual University

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Motion Picture Institute

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Realityworks, Inc.

2709 Mondovi Rd
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Today's Class - Melior Inc.

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Quick Reference Guide for Career and Technical Education

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		(Area Code 517)
4483 Enrollment Report	Joan Church	335-0360
Advisory Committee Toolkit	Christine Black	241-0260
Agriculture, Food and Natural Resources Cluster	Randy Showerman	355-3562
Ancillary Data Reports	David MacQuarrie	241-6202
Apprenticeship Programs	USDOL	377-1746
Architecture and Construction Cluster	Zena Lowe	241-4355
Arts, A/V, Technology, and Communications Cluster	Zena Lowe	241-4355
Breaking Traditions Award	Christine Black	241-0260
Business, Management and Administration Cluster	Tom Knight	373-8545
Business Professionals of America (BPA) (CTSO)	Maurice Henderson	734/487-1700
Career Education Conference	Joanne Mahony	335-0405
Career Pathways Assessment Collaborative (CPC)	David MacQuarrie	241-6202
Cash Management System (CMS)	Louanna Hovorka	373-9961
CEPD Options Form	Joan Church	335-0360
Civil Rights Compliance Review (CRCR)	Elizabeth Collins	241-2091
Core Performance Indicators (Perkins CTE)	Krishnan Sudharsan	241-7652
Counseling/Counselor Education	Jill Kroll	241-4354
Criminal Offender Grants (Adult)	Louanna Hovorka	373-9961
CTE/CEPD Administrator Approvals	Joanne Mahony	335-0405
CTE Program Articulation and Alignment Issues	Career Cluster Consultants	
CTE Teacher Certification/Annual Authorization	Tom Knight	373-8545
CTE Teacher Education Grants	Zena Lowe	241-4355
CTE Teacher Preparation Issues/Supply and Demand/	Tom Knight	241-8545
CTEIS Data System	David MacQuarrie	241-6202
CTEIS Security Levels	Joan Church	335-0360
CTSOs	Dana Hughes	335-0359
Data Coordination	David MacQuarrie	241-6202
Data Dashboards	Krishnan Sudharsan	241-7642
Early/Middle College Programs	Beverly Brown	335-4670
Education and Training Cluster	Zena Lowe	241-4355
Employers as Partners	Christine Black	241-0260
End-of-Year Reports	Louanna Hovorka	373-9961
Entrepreneurship	Denise Teague	335-0381
Excellence in Practice Awards	Christine Black	241-0260
FACTS Brochure	Valerie Felder	335-1066
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Family and Consumer Science (FCS)	Zena Lowe	241-4355
Finance Cluster	Tom Knight	373-8545
Fiscal Cooperative Agreements (Perkins)	Beverly Brown	335-4670
Follow-Up Survey of Program Completers	Krishnan Sudharsan	241-7652
Gender Equity	Elizabeth Collins	241-2091

Government and Public Administration Cluster	Zena Lowe	241-4355
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Law, Public Safety, Corrections, and Security Cluster	Zena Lowe	241-4355
Less-Than-Class-Size Contracted Instruction Programs	Zena Lowe	241-4355
Manufacturing Cluster	Dana Hughes	335-0359
Marketing Cluster	Denise Teague	335-0381
Michigan Electronic Grants System Plus (MEGS+)	Louanna Hovorka	373-9961
Michigan Comprehensive Guidance and Counseling	Christine Black	241-0260
Michigan DECA (CTSO)	David Wait	734/487-3322
Michigan FFA Association (CTSO)	Dave Wyrick	517/353-9221 x 225
Michigan Rehabilitation Partnership	Christine Black	241-0260
NACEP Liason	Jill Kroll	241-4354
New CTE Administrator Information	Joanne Mahony	335-0405
New CTE Program Planning Process	Nikki Rogers	373-8904
Parents as Partners	Christine Black	241-0260
Participation Survey	Jill Kroll	241-4354
Perkins Consolidated Annual Report (CAR)	Jill Kroll	241-4354
Perkins Regional Allocation Formula	Jill Kroll	241-4354
Perkins State Plan	Christine Black	241-0260
Professional Development	Joanne Mahony	335-0405
Programs of Study	Tom Knight	373-8545
Requests for Applications (RFA)	Jill Kroll	241-4354
Research (CTE)	Jill Kroll	241-4354
Risk Management/Interagency Labor Law Compliance	Career Cluster Consultants	
Section 61a (Added Cost) Allocations and Expenditure Policy	Joan Church	335-0360
Section 61a (Added Cost) Expenditure Report (4033)	Joan Church	335-0360
Section 61a (Added Cost) Funds X0107 Secondary Funding Report	Joan Church	335-0360
Science, Technology, Engineering, and Mathematics Cluster	Nikki Rogers	373-8904
SkillsUSA-Michigan (CTSO)	Tammy Brown	734/487-3888
Special Populations, Programs, and Services	Elizabeth Collins	241-2091
Statewide Longitudinal Data System (SLDS) Liason	Jill Krill	241-4354
Teacher-Student-Data Link (TSDL) Liason	David MacQuarrie	241-6202
Technical Review, Assistance and Compliance (TRAC)	Louanna Hovorka	373-9961
Technical Skills Assessments	David MacQuarrie	241-6202
Technical Skills Assessment Implementation	Valerie Felder	335-1066
Transportation, Distribution, and Logistics Cluster	Dana Hughes	335-0359
Work-Based Learning/Coop	Beverly Brown	335-4670
Work Permit Information	Tara Bride	335-6041
USDOL/Bureau of Apprenticeship and Training	Russ Davis/	337-1747
	David Jackson	377-1746

Work Permits in Michigan

According to the Youth Employment Standards Act, P.A. 90 of 1978, as amended (Section 409.106), work permits shall be issued in the form prescribed by the Department of Education. The work permit forms (CA-6 and CA-7) were last revised in October 2011 and should replace existing work permit forms. **Michigan's Youth Employment Standards Act 90 of 1978 (YESA) requires employers to have work permits for minors under the age of 18. The permit certifies the age and compliance with labor laws prior to the minor starting work.**

Who Needs a Work Permit?

A minor who is:

- ◆ 11 years of age or older employed as a youth athletic program referee or umpire for an age bracket younger than his/her own age; or
- ◆ 11 years of age or older employed as a golf or bridge caddy; or
- ◆ 13 years of age or older employed to perform services entail setting traps for formal or informal trap, skeet and sporting clays shooting events; or
- ◆ 13 years of age or older in some farming occupations described in section 4(3) of the Youth Employment Standards Act (P.A. 90 of 1978); or
- ◆ 14 years of age or older student home schooled, cyber schooled, virtual schooled, online schooled, or drop out, employed in a paid or unpaid position (volunteer) and not specifically exempt from YESA.

Who Issues Work Permits?

Permits are issued by the Chief Administrator (usually Superintendent) of a school district, intermediate school district, public school academy, or non-public school or a person authorized by that Chief Administrator (Superintendent), **in writing**, to act on their behalf, in their administration or central offices, middle, or high schools to issue work permits. **NOTE: That person must be authorized, in writing, by the Chief Administrator and the issuance of work permits must be part of his/her job description. The written authorization must be kept in the person's personnel file and/or personal file on site. The Department of Education does not receive copies; the letter is to be kept locally only.**

Types of Work Permits

- ◆ Form CA-6 **must be** printed on pink paper, front and back, and is used for minors who are under 16 years of age
- ◆ Form CA-7 **must be** printed on yellow paper, front and back, and is used for minors who are 16 and 17 years of age

Instructions for completing and issuing CA-6 and CA-7 Work Permit and Age Certificate Forms are on the back of the respective forms. These instructions are a formal part of the work permit and **must be** printed on the back in order to be considered valid.

A completed work permit allows a minor to be employed only by the employer who completes the "offer of employment" section (Section II of the form). CA-7 work permits are valid until a minor turns 18 or graduates from high school, as long as the minor remains continuously employed by the same employer. Minors may obtain work permit forms from their local school issuing officer.

What is the Procedure to Legally Employ Minors with Work Permits?

Minor obtains the CA-6 or CA-7 from the issuing officer of his or her school district and completes Section I. Minor takes the form to the prospective Employer who completes Section II, "Offer of Employment". **The following is a check-off of information needed from the employer:**

- ☐ Name and address of employer
- ☐ Job duties/tasks to be performed by minor (employers need to be specific)
- ☐ Equipment/Tools to be used by minor
- ☐ Applicant's job title/General nature of occupation
- ☐ Hourly wage
- ☐ Start and ending times of employment
- ☐ Start and ending times of meal and rest period
- ☐ Employer's signature, title, date signed, and telephone number

Michigan Work Permits:

CA-6 pink form is for minors under 16 years of age

CA-7 yellow form is for minors 16 and 17 years of age

Permits are needed **BEFORE** minor begins employment

Hours must comply with state and federal laws and rules

Issuing Officers cannot fill in blank sections or issue if the work permit is outdated or if any part of the form is incomplete.

This information needs to be accurate because issuing officers must certify that the information provided by employers conforms to state and federal laws and regulations. The employer then gives the form to the minor and the following steps must be completed before the minor can begin work:

- ♦ Minor takes form to school district's issuing officer (minor must appear in person)
- ♦ Issuing officer verifies age of minor using best available evidence of age
- ♦ Issuing officer verifies that employers "offer of employment" complies with state and federal laws and regulations
- ♦ Issuing officer fills in "number of hours in school" section
- ♦ Issuing officer verifies the form was signed by student and employer
- ♦ Issuing officer issues work permit by completing the school's name and address, signing and dating form, and keeping a copy along with deviations and other documentation connected to the work permit on file until graduation plus 7 years
- ♦ Minor returns the completed original form to the employer **before** beginning employment

The process for minors who are home schooled, online schooled, virtual schooled, cyber schooled, etc., remains the same, **except, the minor must provide a signed, written statement from the parent or guardian, as instructor of record, indicating how many hours per week the student is being home schooled.** The issuing officer must review, copy the statement, and then issue the work permit with those hours reflected in the "number of hours in school" section. The original statement is attached to the original work permit to be given to the employer. The issuing officer keeps a copy of the statement and work permit for retention.

Employers must keep the original CA-6 or CA-7 on file at the place of employment for as long as the minor is employed. Employers must continue to monitor student hours in school and at work, provide supervision, and monitor work activities to assure that students are working in a safe and healthy environment.

Hours Minors Allowed to Work

If minor is required **by law** to attend school, work **may only be** performed outside of school hours (after 3:00 pm). Employers subject to coverage by both state and federal laws must comply with the more stringent provisions of the two laws.

Under 16 years of age:

Hours of Work covered by federal law (business gross annual sales exceed \$500,000 or interstate commerce):

Minors 14 and 15 years of age may work:

1. No more than 3 hours a day, **only after school** (Monday – Friday), while school is in session.
2. No more than 8 hours a day on non-school days.
3. No more than 40 hours in a non-school week; No more than 18 work hours in a school week.
4. Not before 7:00 a.m., **only after school**, and **no later than 7:00 p.m.**, while school is in session (Labor Day – June 1).
5. Not before 7:00 a.m., and **no later than 9:00 p.m.**, during school summer vacation (June 1 - Labor Day).

Employers must comply with the more stringent provision of the two laws:

1. Minors may not work until the person/employer receives from the minor and keeps on file at the minor's place of employment a color and age appropriate valid and completed work permit.
2. Minors may not work more than 6 days in 1 workweek.
3. Minors may not work more than an average of 8 hours per day in 1 week.
4. Minors may not work more than 5 hours continuously without a documented and uninterrupted 30 minute meal or rest period.
5. Minors shall not be employed unless the employer or other employee at least 18 years of age or older provides supervision.

16-17 years of age:

Hours of Work covered by state law: Minors 16 years of age and older may work:

1. No more than 6 days in 1 week.
2. No more than a weekly average of 8 hours per day.
3. No more than 10 hours in one day.
4. No more than 24 hours in 1 week regardless of the number of hours or days attend school (**October 18, 2011**).
5. Not more than 5 hours continuously without a documented and uninterrupted 30 minute meal or rest period.
6. Not earlier than 6:00 a.m. and no later than 10:30 p.m. (Sunday through Thursday)
7. Not earlier than 6:00 a.m., and no later than 11:30 p.m., Friday and Saturday, and not regularly attending school (i.e., summer, spring and Christmas vacation).

Minors ages 16-17 may be employed **when school is not** in session in **agricultural processing** for not more than 11 hours in 1 day, 62 hours in 1 work week, with written permission consent from the minor and the minor's parent or guardian, and not between 2:00 a.m. and 5:30 a.m.

Restricted Occupations for Minors

Under Michigan and federal child labor laws, many occupational job duties are restricted to a certain age or prohibited under age 18. Employers subject to coverage **by both state and federal laws must comply with the more stringent** provisions of the two laws. Minors under the age of 18 years are prohibited from working in a hazardous or injurious occupation. Hazardous work includes, but is not limited to:

- ◆ Motor Vehicle Driving (on public roads and waterways)
- ◆ Power-Driven Woodworking Machines
- ◆ Exposure to Hazardous Substances, Chemicals, Explosives or Radioactive Substances
- ◆ Power-Driven Hoisting Apparatus, Including Lift Truck, Forklift, Bobcat, etc.
- ◆ Power-Driven Metal-Forming, Punching, and Shearing Machines
- ◆ Power-Driven Bakery Machines
- ◆ Power-Driven Paper-Products Machines
- ◆ Power-Driven Circular Saws, Band Saws, and Guillotine Shears
- ◆ Roofing Operations
- ◆ Excavation Operations
- ◆ Construction Work, Including Painting
- ◆ Logging and Sawmill Operations
- ◆ Mining Operations
- ◆ Slaughtering, Meat Packing, Rendering, and Tanning Operations

Deviations from hazardous occupations for age 16 and 17 year old minors may be permitted under Michigan's child labor laws, if employment is not also governed by Federal laws. Exemptions from hazardous occupations are also allowed under federal child labor laws for students enrolled in related state approved career and technical education training or apprenticeship programs. Contact each agency directly for more information.

Adult Supervision

A minor shall not be employed unless the employer or an employee who is 18 years of age or older provides supervision. A minor shall not be employed in an occupation that involves a cash transaction after sunset or 8:00 p.m., whichever is earlier, at a fixed location unless an employer or employee 18 years or older is present during those hours.

When Are Work Permits Not Required?

Work permits are not required for minors engaged in the following types of employment:

- ◆ Private homes doing occasional odd jobs
- ◆ Sale or delivery of newspapers, if self employed
- ◆ Employed by a business owned and operated by the parent or guardian of a minor
- ◆ Minors 14 years of age or older employed by a school, academy, or college in which the minor is enrolled
- ◆ Services performed as part of a recognized youth oriented organization (e.g. 4-H, Boy Scouts, Girl Scouts)
- ◆ Farm work which involves raising of livestock or production of crops
- ◆ Minors 13 years of age or older employed as corn detasslers
- ◆ An emancipated minor and provided copy to employer
- ◆ Minors ages 16-17 who have completed high school graduation requirements and provided copy to employer
- ◆ 17 year old minor who has passed the GED test and provided copy of certificate to employer
- ◆ Employment of a student minor 14 years of age or older under a contract between employer and school board, before minor begins work, shall obtain and keep on file proof of each condition

Revocation of Work Permit

A work permit may be revoked by the school if poor school attendance results in a level of school work lower than that prior to beginning employment. A work permit shall be revoked by the school if the school is informed of an employer's violation of state or federal laws or rules.

Any minor who has a work permit revoked by the school shall be informed of an appeal process by the school.

Wages

Direct all inquiries to:

Department of Licensing and Regulatory Affairs
Michigan Occupational Safety and Health Administration
Wage and Hour Program
(517) 322-1825
Toll Free (855) 4MI-WAGE or (855) 464-9243

Violations

The issuance of a work permit does not authorize employment of minors contrary to state or federal laws and regulations. Anyone who employs a minor without a work permit, or who violates Michigan's Youth Employment Standards Act or a rule promulgated under the Act, or obstructs the department in the enforcement of the Act is guilty of a misdemeanor punishable by imprisonment for not more than 1 year, or a fine of not more than \$500.00, or both.

Anyone who employs a minor in an occupation that involves a cash transaction after sunset or 8:00 p.m., whichever is earlier, at a fixed location unless an employer or other employee 18 years of age is present at the fixed location during those hours, is guilty of a misdemeanor punishable by imprisonment for not more than 1 year, or a fine of \$2,000.00, or both. Second and third subsequent violations may lead to a \$10,000.00 fine and 10 years imprisonment.

Important Resources

MIOSHA/Wage and Hour Questions

Michigan Department of Licensing and Regulatory Affairs (LARA)
P.O. Box 30476
Lansing, MI 48909 –7976
www.michigan.gov/wagehour
(855) 4MI-WAGE or (855) 464-9243 or (517) 322-1825

Work Permit and Employment of Minor under 18 Questions

Michigan Department of Education
Office of Career and Technical Education
P.O. Box 30712
Lansing, MI 48909
(517) 335-6041
www.michigan.gov/octe

Federal Wage and Hour Questions

U.S. Department of Labor
211 W. Fort Street, Suite 1317
Detroit, MI 48226
(866) 487-9243
www.dol.gov/wageandhour

Printing Work Permits Forms via the Web:

Go to www.michigan.gov/octe and look to left hand side blue boxes and click "Programs and Offices" and then look to left hand side blue boxes and click "Career and Technical Education" which brings white drop down boxes and last box click "Youth Employment" then under the picture and two (2) paragraphs click "Youth Employment Form Package".

This fact sheet summarizes the Work Permit rules of the Michigan Youth Employment Standards Act. It is intended as general information only and is not to be considered in the same light as official documents or statements of positions.

Community College Services Fact Sheet

www.michigancc.net

Program Description

The Community College Services (CCS) was established with the passing of the Community College Act of 1966. Over the years, a partnership was formed between the office and community colleges throughout the state. One of the major purposes of the office is to provide technical assistance to those community colleges and universities receiving Carl D. Perkins Career and Technical Education grants.

The CCS mission is to promote access to, retention in, and completion of individual student goals in quality and comprehensive postsecondary education.

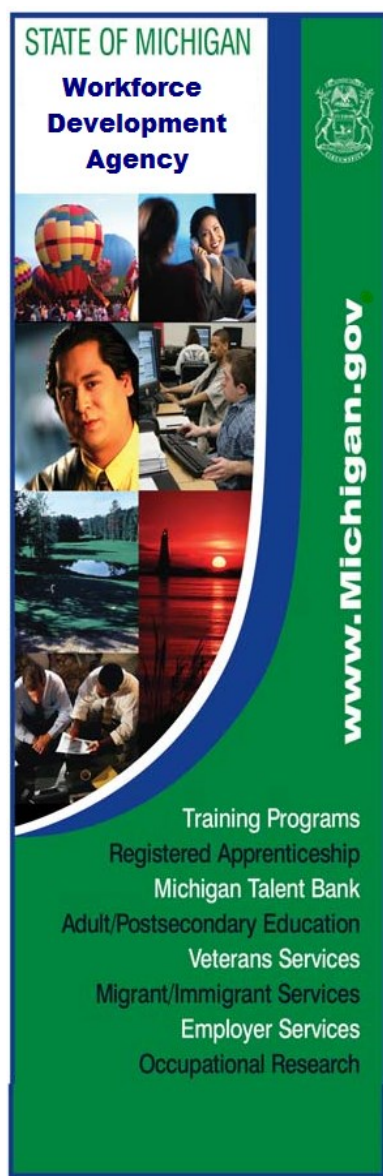
The CCS principal program goals are to improve those postsecondary education programs which lead to the academic and occupation skill competencies necessary for individuals to work in a technological and advanced society. Goals are accomplished by allocating federal funds and providing technical assistance to: develop new occupational programs; improve career guidance and counseling activities; upgrade the skills and competencies of occupational education faculty and staff; improve accountability measures; improve the transition of students between secondary, community colleges, four-year institutions and the work place.

Eligibility Information

These funds provide the twenty-eight community colleges, three public universities, and 1 tribal college, the opportunity to improve their occupational education program by supporting professional development, program improvement, curriculum development, evaluation/assessment, and support services to students. These services prepare students for employment in current or emerging occupations requiring less than a bachelor's degree. Community College Services also is responsible for requirements of the Community College Appropriations Act and has established linkages with Adult Education, King-Chavez-Parks Initiative, and Michigan Department of Education.

CCS works continuously with state organizations, state agencies, college presidents, individual colleges and universities, the Michigan Community College Association as well as several statewide committees to ensure the development of academic and occupational skills of students who elect to enroll in career and technical education programs. CCS is active in supporting state-wide conferences and workshops that focus upon community college issues.

The Workforce Development Agency is an equal opportunity employer/program. Auxiliary aids, services, and other reasonable accommodations are available upon request to individuals with disabilities.



STATE OF MICHIGAN
**Workforce
Development
Agency**

www.Michigan.gov

Training Programs
Registered Apprenticeship
Michigan Talent Bank
Adult/Postsecondary Education
Veterans Services
Migrant/Immigrant Services
Employer Services
Occupational Research

Contact Information

Division of Education
and Career Success:
(517) 373-7428

Community College
Services:
(517) 373-3360

www.michigan.gov



Community College Services Fact Sheet

www.michigancc.net

Additional Program Information

The CCS provides services to the following Institutions:

Alpena Community College	Monroe County Community College
Bay College	Montcalm Community College
Delta College	Mott Community College
Glen Oaks Community College	Muskegon Community College
Gogebic Community College	North Central Michigan College
Grand Rapids Community College	Northwestern Michigan College
Henry Ford Community College	Oakland Community College
Jackson Community College	St. Clair County Community College
Kalamazoo Valley Community College	Schoolcraft College
Kellogg Community College	Southwestern Michigan College
Kirtland Community College	Washtenaw Community College
Lake Michigan College	Wayne County Community College
Lansing Community College	West Shore Community College
Macomb Community College	Bay Mills Community College
Mid-Michigan Community College	Ferris State University
	Northern Michigan University
	Lake Superior State University

Contact Information

For General Program Questions Contact:

Workforce Development Agency
Division of Education and Career Success
Community College Services
201 N. Washington Square, 2nd Floor
Lansing, Michigan 48913
517-373-3360
FAX: 517-373-2759

Contact Information

Division of Education and
Career Success:
(517) 373-7428

Community College
Services:
(517) 373-3360

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Updated January 2015

**Workforce Development Agency
Education and Career Success Division
Community College Services (517) 373-3360
Fax: (517) 373-2759
www.michigan.gov/wda**

Community College Services

Cliff Akujobi.....	373-4218
Tracy Kuchuk.....	373-3360
Sheree Price	335-0404
Rhonda Burke.....	335-0402
Judy Becker.....	373-3361
Darlene Miller.....	241-6920
Patrick Melia	335-2818

Activities Classification Structure (ACS) Patrick Melia.....	335-2818
Community College Annexation Cliff Akujobi	373-4218
Community College Act Cliff Akujobi	373-4218
Community College Appropriations Act Boiler Plate Requirements Cliff Akujobi.....	373-4218
Community College Appropriations Act Funding Formula Cliff Akujobi.....	373-4218
Community College Network (MCCNet) http://michigancc.net – Rhonda Burke	
Compliance Review/Technical Assistance Visits Sheree Price.....	335-0404
Enrollment Trends Study, Data Book Rhonda Burke.....	335-0402
Curriculum Development, Assessment and Evaluation, and Professional Development (CAP) Leadership Grants (Perkins) Rhonda Burke..... Darlene Miller	335-0402 241-6920
Higher Education Act Cliff Akujobi.....	373-4218
Integrated Postsecondary Ed Data System (IPEDS) Rhonda Burke.....	335-0402
Local Evaluation PROE (Perkins) Cliff Akujobi..... Rhonda Burke.....	373-4218 335-0402
Local Leadership (Perkins) Cliff Akujobi..... Judy Becker	373-4218 373-3361
Local Annual Application (Perkins) Sheree Price..... Rhonda Burke..... Patrick Melia..... Darlene Miller.....	335-0404 335-0402 335-2818 241-6920

Director's office

Dianne Duthie, Director.....	373-3430
Barb Elkins, Executive Secretary...	373-7428

Manual for Uniform Financial Reporting Patrick Melia.....	335-2818
(MCCDEC) MI CC Data and Evaluation Committee Rhonda Burke.....	335-0402
(MODAC) MI Occupational Deans Adm. Council Cliff Akujobi	373-4218
North American Indian Tuition Waiver Judy Becker.....	373-3361
Occupational Program Improvement Sheree Price.....	335-0404
Occupational Program Approval	335-0402
Rhonda Burke	
Occupational Program Evaluation	335-0402
Rhonda Burke	
Office of Civil Rights Compliance Visit Sheree Price.....	335-0404
On-Site Compliance Visits Sheree Price.....	335-0404
Tracy Kuchuk.....	373-6551
Performance Indicators (CORE) Rhonda Burke)	335-0402
Perkins Grants Cliff Akujobi.....	373-4218
Perkins Reimbursement and Financial Close Out Procedures Darlene Miller	241-6920
Judy Becker.....	373-3361
Perkins State Plan - Postsecondary Cliff Akujobi.....	373-4218
Program Inventory Rhonda Burke.....	335-0402
Special Populations Sheree Price	335-0404
Taxonomy Reviews Patrick Melia.....	335-2818
TRENDS Conference Cliff Akujobi.....	373-4218
Tuition Reciprocity Agreement Cliff Akujobi.....	373-4218

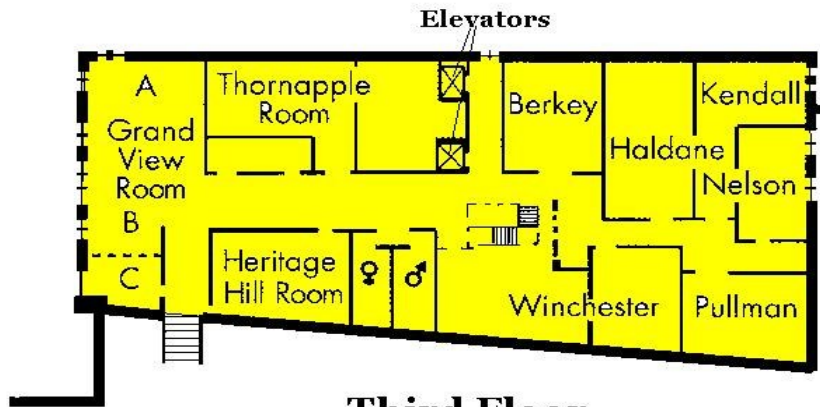
Postsecondary Perkins Contacts

Community College	Occupational Dean	Phone Number
Alpena Community College	Ms. Kathleen Marsh	989-358-7458
Bay College	Ms. Patricia Henning	906-217-4091
Delta College	Ms. Virginia Przygocki	989-686-9276
Glen Oaks Community College	Dr. Margaret Hale-Smith	269-294-4230
Gogebic Community College	Mr. Kenneth Trzaska	906-932-4231 ext.216
Grand Rapids Community College	Ms. Fiona Hert	616-234-3828
Henry Ford College	Dr. Tracy Pierner	313-845-9835
Jackson College	Mr. Jeremy Frew	517-796-8609
Kalamazoo Valley Community College	Mr. Thomas Buszek	269-488-4269
Kellogg Community College	Dr. Janis Karazim	269-965-3931 ext.2315
Kirtland Community College	Ms. Laura Percival	989-275-5000 ext.360
Lake Michigan College	Mr. Ken Flowers	269-927-4103
Lansing Community College	Ms. Kathleen Shell	517-483-9711
Macomb Community College	Mr. Joe Petrosky	586-445-7515
Mid Michigan Community College	Mr. Christopher Goffnett	989-773-6622 ext. 107
Monroe County Community College	Mr. Parmeshwar Coomar	734-384-4209
Montcalm Community College	Mr. Robert Spohr	989-328-1241
Mott Community College	Dr. Amy Fugate	810-762-0237
Muskegon Community College	Ms. Teresa Sturru	231-777-0251
North Central Michigan College	Dr. Peter Olson	231-348-6619
Northwestern Michigan College	Ms. Susan DeCamillis	231-995-1014
Oakland Community College	Ms. Deborah Bayer	248-232-4311
St. Clair County Community College	Ms. Linda Davis	810-989-5765
Schoolcraft College	Dr. Robert Leadley	734-462-4567
Southwestern Michigan College	Dr. Stacy Horner	269-687-4810
Washtenaw Community College	Dr. Kimberly Hurns	734-973-3724
Wayne County Community College District	Ms. Shawna Forbes	313-496-2587
West Shore Community College	Dr. Brooke Portmann	231-843-5866
Bay Mills Community College	Ms. Samantha Cameron	906-248-3354
Ferris State University	Dr. Roberta Teahen	231-591-3805
Lake Superior State University	Mr. Morrie Walworth	906-635-2211
Northern Michigan University	Dr. Steve Neiheisel	906-227-2000

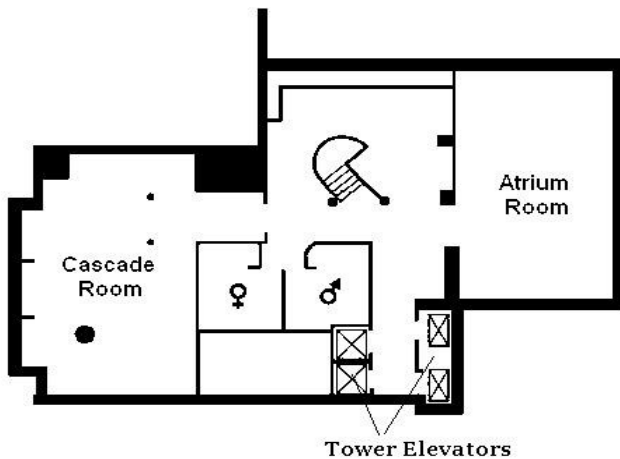
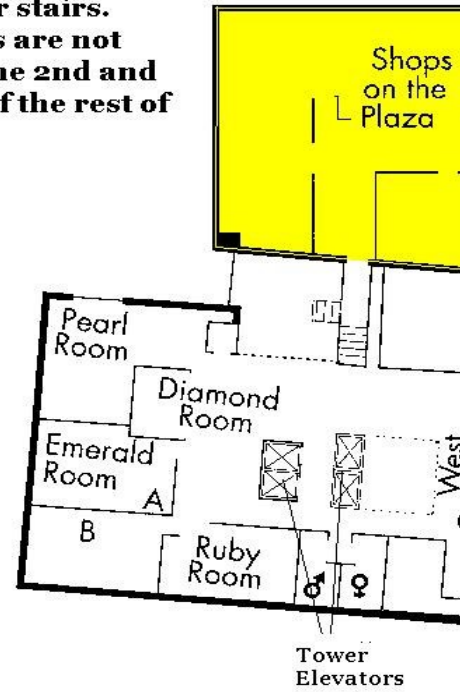
Notes

Notes

■ = Accessable only from Exhibitors Building Elevators or stairs. These areas are not level with the 2nd and 3rd floors of the rest of the Hotel.



Third Floor Exhibitors Building
Take elevators by the Lyon Street Entrance



Lower Level Tower Side
Below Bentham's Riverfront Restaurant



