



NATIONAL ALLIANCE OF  
**CONCURRENT ENROLLMENT**  
PARTNERSHIPS

**Perkins in Practice:**  
What is working (and not) in  
CTE-focused concurrent enrollment  
**Hosted by**

**October 4, 2016**

*advancing quality college courses in high school*

# Presenters

## **Dr. Gregory Kienzl, ACT Inc (DC)**

He is a Principal Strategist at ACT, where he leads a number of postsecondary education-focused research and policy-focused projects. Prior to joining ACT, he was the Director of Research for the Institute for Higher Education Policy and, before that, served as the chief methodologist for an National Science Foundation-funded, multi-site research project at the University of Illinois that examined the underrepresentation of women and minorities in STEM fields.



## **Shirley Bazdar, Education Consultant (VA)**

She specializes in the fields of CTE curriculum, instruction, program visioning and development. She recently retired from Loudoun County Public schools as their Career and Technical Director and High School Administrator. She was on the ground floor of implanting the first dual enrollment courses for students in the Northern Virginia area and continued to pursue those pathways while in her tenure in Loudoun.



## **Joanne Travaglini, Raritan Valley Community College (NJ)**

She serves as a Coordinator for High School Outreach. She is also the Coordinator and Academic Advisor for the Academy for Health and Medical Sciences program offered in conjunction with Somerset County Vocational High School. In this role, she provides direct academic support to approximately 60 Academy juniors and seniors who are earning Associate degrees while in high school. She has been involved with the development and implementation of a wide range of high school partnerships affording students with the opportunity for dual credit and enrichment.



# Presenters

## **Paul Watson II, Pennsylvania College of Technology (PA)**

He currently works at Pennsylvania College of Technology in Williamsport, PA as Dean of Academic Services & College Transitions. As part of his current role, he is the Perkins grant manager and supervises the college's concurrent enrollment program. Previously, he has worked in Central New York as a high school mathematics teacher and later as an Associate Professor of Mathematics at the undergraduate level in Western New York.



## **Victoria Zeppelin, Tompkins Cortland Community College (NY)**

She has been the Director of CollegeNow since 2014, after 10 years as the Associate Director and Tech Prep Coordinator. Prior to coming to TC3, she worked for four years as a middle and high school science teacher. She currently serves as the NACEP Accreditation Commission Chair.



# Perkins in Context

- Carl D. Perkins Vocational and Technical Education Act of 2006 (or “Perkins”) provides federal funding for:
  - Increasing the academic achievement of career and technical education students
  - Enhancing the connections between secondary and postsecondary education
  - Improving the quality of CTE teachers and curriculum
  - Participating in programs of study that lead to the attainment of a credential, industry-recognized or otherwise
- Concurrent enrollment programs aligns with Perkins’ policy goals
- On cusp of reauthorization, how will the new Perkins affect dual and concurrent enrollment?

# Three Main Policy Objectives

- Reauthorization triggers new and innovating thinking
  - Applies to curriculum, method of delivery, mentorships, etc.
  - Encourage greater partnerships with business/industry to improve relevancy
- Demonstrating outcomes are key
  - Use of same definitions, reporting requirements, and performance metrics as other federal programs (e.g., Workforce Innovation and Opportunity Act)
- Importance of professional development
- Increased focus on industry-recognized credentials

# Perkins in Practice

- What is working—and what is not—in career and technical education-focused concurrent enrollment programs?
  - New and innovative thinking
  - Measurable outcomes and benchmarks
  - Resources for professional development
  - Assurances of quality for industry-recognized credential
- Session offers four real-world examples from practitioners
- Make your pitch to the next Secretary of Education...

# Academy for Health and Medical Sciences

- Partnership between Raritan Valley Community College and Somerset County Vocational Technical High School
- Students earn an AS in General Science/Pre-Health Professional before they earn a high school diploma!
- Small learning community
- High expectations for student success
- Intense collaboration between RVCC and SCVTHS
- Graduated our 7<sup>th</sup> class in May 2016

# Collaborative Efforts of Partnering Institutions

- Steering Committee
- Faculty Engagement
- Curriculum Alignment
- Academic Advisement
- Recruitment and selection
- Scheduling/Calendars
- Meshing of two distinct cultures-“The adolescent factor”





# Standards of Academic Progress

- Accuplacer testing
- Criteria for Continued Enrollment Policy
- Grade updates and proactive advising
- Appeals process and redirection
- Calculus/Statistics option
- Enrichment/Advisor's role



# Four -Year College Curriculum

9<sup>th</sup> grade : Computer Literacy (3 credits earned)

10<sup>th</sup> grade : Anatomy and Physiology I & II

Human Origins/ Cultural Anthropology (14 creds earned)

11<sup>th</sup> grade: English Composition I

General Bio I & II

General Chem I & II

Precalc I & II (25 credits earned)

12<sup>th</sup> grade: English Composition II

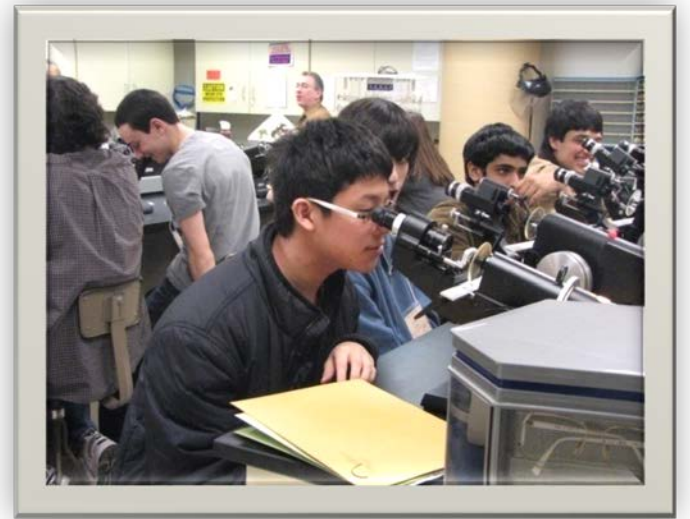
Physics I & II

Calculus I & II or Statistics I & II

Current Moral and Social Issues (20-22 credits earned)

# Profile: Class of 2016

- 23 Graduates
  - 5 Summa Cum Laude,
  - 10 Magna Cum Laude
  - 4 Cum Laude
  - 16 PTK members
- 100% Transfer Rate
  - NJIT, NJIT Honors College, NJIT 7 year BS/MD
  - Northeastern University
  - Nova Southeastern University, 7 year BS/DO
  - Princeton University
  - Rutgers School of Engineering, Rutgers University, Rutgers University Honors College
  - St. Louis University Medical Scholars Program
  - The College of New Jersey
  - University of Pennsylvania
  - University of Pittsburgh







*Academy for Health and Medical Sciences  
Class of 2016*

# Penn College & PC NOW

- Penn College
  - Vision – National leader in applied technology education
  - Special mission affiliate of Penn State
  - “Degrees that work”
- PC enrollment - 5446 FTE
- Values
  - Hands-on Education
  - Student-Centered Environment
  - Business & Industry Partnerships
  - Community of Respect
- Placement rate 96%
- Positive Placement rate & Salaries

- PC NOW
  - Aligned values
  - Data

PC NOW (15-16)	Total
Students (Unduplicated)	1,234
Credit Hours	4,634
Courses	60
Sections	242
Schools (Unduplicated)	35
Faculty Liaisons	45
HS Teachers Trained	143
Recruitment (students & parents)	322





# Perkins Alignment

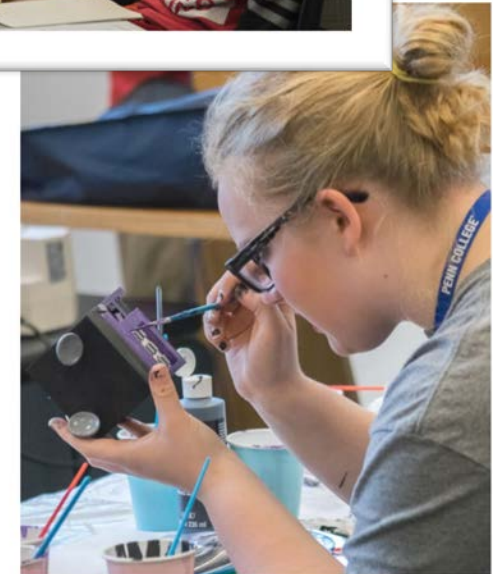
- Skill Attainment 15-16 - \$80,000 equipment purchases
  - Across 5 schools – 8 degree programs (continually rotated)
  - Linked to CTE CEP especially on tours & required visits.
- Credential Attainment
  - Often faster e.g. Sapphire
- Student Retention/Transfer
  - FOE & 10% in 4 years
- Student Placement
- Nontraditional Participation
  - Stabler grant
- Nontraditional Completion
- \*\*\*\* Challenge: Student must remain in associate degree





- Penn College YouTube channel
  - “Success in the New Economy” by Kevin Fleming
- Working with the 339 advisories / plans & more
  - Focus on purpose and being meaningful
- Professional development: Being meaningful

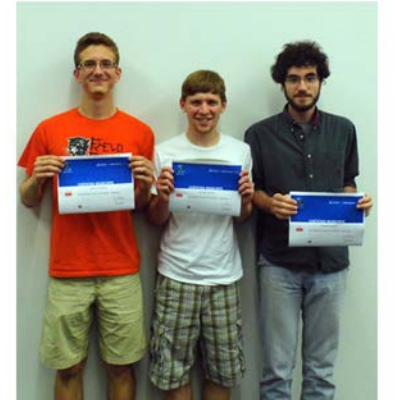
	Fall 2015	Spring 2016
Career Day	High School	Middle School
Schools	17	7
Female Nontrad sessions	109	122
Male Nontrad sessions	28	54
SMART Girls	-	35
College & Career Readiness Conference	75	-
Science / STEM festival	-	1500 5 <sup>th</sup> graders



## Why CTE CEP...and Beyond CEP

# Penn College CTE CEP Metrics

- In 2015-2016, 50 of the 62 courses i.e. 81% in our PC NOW course catalog are program specific
- In 2015-2016, there were 436 seniors enrolled in PC NOW courses across our 35 partners. For Fall 2016, 142 (33%) of those students are scheduled to attend
- Earning industry certifications
  - E.g. 3 Milton Area Senior High School & 2 Central Mountain High School students passed the Certified SolidWorks Associate exam. SolidWorks and Autodesk Inventor are industry-standard 3-D parametric software programs used primarily within the engineering drafting and design profession
- Keeping an eye on success rates and locating and investigating/addressing anomalies.
  - In 2015-2016, there were 30 Fs (of 1234 i.e. 2.4%)
  - Of the 30 Fs, 2 courses at one location had 11 Fs





# CollegeNow



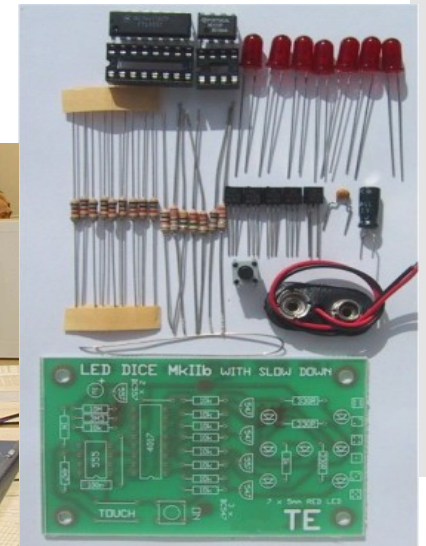
- Small rural college with large CEP program
- Liberal Arts/Gen Ed courses plus...
- Career & Technical Courses
  - Accounting, Business Administration, Computer Apps
  - Computer Technology (programming, support, network design)
  - Culinary Arts
  - Digital Media Arts (video production, electronic design)
  - Drafting/CAD and Digital Electronics
  - Early Childhood
  - Health
- College Success and Personal Finance Skills

# CEP Credentialing for CTE Instructors

- Differs from liberal arts requirements
  - Generally, a degree higher than what's need to work in the field
  - Broad definintion of relevant degrees
  - Relevant experience and skills (outside of teaching)
- Filling in credential gaps
  - Technical courses at your college
  - Discipline-specific professional development
  - Industry certifications

# Using Perkins Funds to Support CEP

- Professional development/training for both existing and potential CEP instructors... and counselors too
- Classroom supplies and equipment
- Services for students to support their success in the program and transition to college and careers
  - Academic support (tutoring, mentoring)
  - Career development activities
  - Industry certifications for students



# Impact of CEP Professional Development

- Higher expectations
  - More students perceived as capable of higher levels of achievement
  - Counselors changed how they present college options to students
  - Instructors established higher standards for students
  - “Prerequisite” courses became more rigorous
- Better understanding
  - Counselors & instructors increased their knowledge of college expectations
  - Instructors learned new ideas and developments in their field

*“Our students are benefiting from the challenge of these courses. They are gaining confidence in their abilities and are seeing college as something that they can be achieved and not just dreamed about.” – HS Counselor*

## Secondary Education CTE Programs:

A snapshot looking at  
Loudoun County Public  
Schools (LCPS) located in  
the Commonwealth of  
Virginia

Loudoun County Public Schools (LCPS) is the third largest school division in the Commonwealth of Virginia. Established in 1870, LCPS is located in the rapidly growing Washington metro-area. Each year, approximately 2,500 new students enroll in our schools, and one to three new school facilities are opened to accommodate them

- LCPS serves more than 78,000 students in 89 facilities (the Academy of Science currently meets at Dominion High School while the Academies of Loudoun facility is under construction). We operate 15 high schools, 15 middle schools, 57 elementary schools and three special purpose schools (Academy of Science, C.S. Monroe Technology Center and Douglass School).

# Virginia's Governor's STEM Academy Designations

Established by former  
Virginia Governor Tim  
Kaine

- **Governor's STEM Academies** are programs designed to expand options for the general student population to acquire STEM (Science, Technology, Engineering and Mathematics) literacy and other critical skills, knowledge and credentials that will prepare them for high-demand, high-wage, and high-skill careers in Virginia. Each academy is a partnership among school divisions, **postsecondary institutions** and business and industry.
- STEM literacy is an interdisciplinary area of study that bridges the four areas of science, technology, engineering and mathematics. STEM literacy does not simply mean achieving literacy in the individual strands. STEM classrooms shift students toward investigating and questioning the interrelated facets of the world.
- Governor's STEM Academies can be viewed as the practical complement to academic year Governor's Schools. They may be new centers or existing ones where the standards are raised and efforts are refocused to align with Virginia's STEM goals. Academies are defined by program content, not location or delivery system. Courses may be held at a high school, technical center or community college campus or may be delivered online, or through other innovative methods. However, all programs must include opportunities for internships, job shadowing, mentorships, projects, service learning or a combination.
- **LCPS receives the designation in 2008 for the Loudoun Governor's CTE STEM Academy located within Monroe Technology Center.**
  - LCPS uses Perkins funds to support a Career Coach from the local community college system

# The Academies of Loudoun:

A Center for Integrated  
STEM (iSTEM)  
Education

The Academies of Loudoun will open Fall of 2018

## **Mission Statement :**

The mission of the Academies is to provide a 21st Century Science, Technology, Engineering, and Mathematics (STEM) education that creates opportunities for LCPS students and faculty to innovate, explore, research, and collaborate. Combines the existing Monroe Technology Center, Academy of Science, and a new Engineering/Information Technology Academy.



# The Claude Moore Health Sciences Program at the Monroe Technology Center

A public school/private charitable foundation partnership with local community college and healthcare industry partners:

- The Claude Moore Charitable Foundation provided LCPS with funding to create a healthcare academy to fill identified workforce needs in 2007.
- Programs were created in identified industry shortage areas to train high school students to enter the workforce.
  - Partnerships with the local community college provided concurrent enrollment credits
  - Partnerships with healthcare industry partners provided clinical, internship, and summer job opportunities
  - Over 500 students have participated and gone into the workforce and/or on to further post-secondary education

# Questions?

## Upcoming events:

### **National Conference**

October 17-18 in Louisville, Kentucky

### **Accreditation Standards 101 Webinar (Open to All)**

November 29<sup>th</sup>, 2 pm Eastern

### **Beyond Black and White: Infusing Cultural Capacity into Concurrent Enrollment Webinar (Members Only)**

December 8<sup>th</sup>, 3 pm Eastern

### **Winter Accreditation Institute, Everett Community College (WA)**

February 22<sup>nd</sup>