

NJ PATHWAYS TO CAREER OPPORTUNITIES

Aligning Education to Build an Innovative Workforce

Welcome.

We ask that you please take this time to mute yourself, thank you. In the chat, please provide your name, title and organization.



Health Services Collaborative Meeting

Theme: Dual Enrollment



NJ Pathways to Career Opportunities

Health Services Sector

New Jersey's Community Colleges and the New Jersey Business and Industry Association have joined together to launch an unprecedented education and training pathways initiative.



SANDRA BLECKMAN

Director, Health Services Strategy and Workforce Partnerships

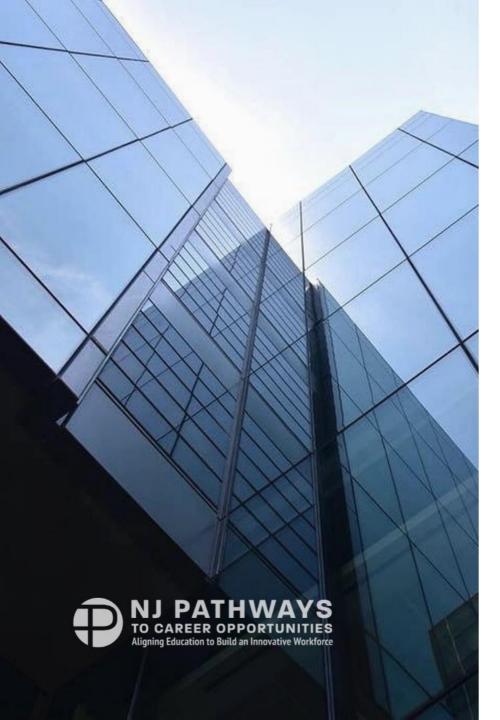
& STEPHANIE SAMUEL

Program Manager, Health Services, Infrastructure & Energy Sectors and Workforce Partnerships









TODAY'S AGENDA:

- Expert Speaker: The Importance of Dual Enrollment and Best Practices
 - <u>Davis Jenkins</u>, Senior Research Scholar (Community College Research Center at Columbia University)
- Pathways to Career Opportunities: Somerset Co Health Sciences Academy at the Somerset Co Vocational Tech School
 - <u>Teresa Morelli</u>, Supervisor, Academics & Supervisor, Academy for Health and Medical Sciences (Somerset County Vocational Tech School)
 - <u>Katisha Gloster</u>, Program Manager, High School Outreach and Academics (Raritan Valley Community College)
- Student Spotlights: Raritan Valley Community College
 - Sangeetha Punnam, Student (RVCC & Somerset County Vocational Tech School)
 - <u>Varun Punnam</u>, Alum & Current 4-Year University Student
 (RVCC Alum and UPMC Current Student)

Give Us Your Feedback

FILL OUT THIS QUICK SURVEY BASED ON YOUR EXPERIENCE OF THIS MEETING





Please use our hashtag:

#NJPathways

To share your paticipation in the NJ Pathways to Career Opportunities Industry Collaborative Meetings









Expert Speaker



DAVIS JENKINS

Senior Research Scholar (Community College Research Center at Columbia University)

The Importance of Dual Enrollment





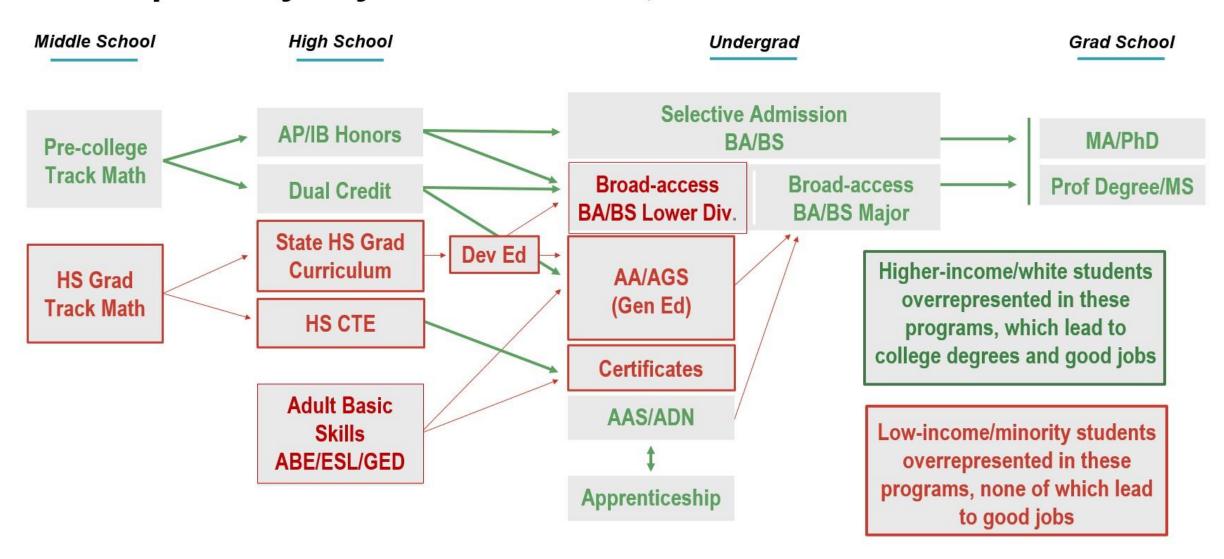
Transforming NJ's Talent Diversion System To High-Opportunity Career Pathways (and Talent Supply Chains)

Davis Jenkins Senior Research Scholar, CCRC

NJ Pathways to Career Opportunities May 2022

CCRC

U.S. Education systems sorts into high- vs. low-opportunity career pathways by class and race, not talent





Dual Credit Models: Potential as Onramps to Career Pathways

DE Model	Pluses as Onramp	Minuses as Onramps
ECHSs / P-TECHs	 Strong evidence of benefits (including for underserved) Potential for career focus 	• Small scale (1)
Dual / Concurrent Enrollment	Moderate evidence of benefitsLarge scale (2)	 "Random acts" Gen ed vs. programmatic focus "Programs of privilege"
HS CTE	Career-focusLarge scale (3)Diversity of students	Poor articulation with postsecondary CTE

^{(1) 4} P-Tech high schools in NJ (https://www.ptech.org/p-tech-network/our-schools/new-jersey/); small number of ECHS

^{(2) ~14}K in NJ ccs in 2019-20 (https://public.tableau.com/app/profile/john.fink/viz/UndergraduateEnrollmentTrendsbySector/Summary)

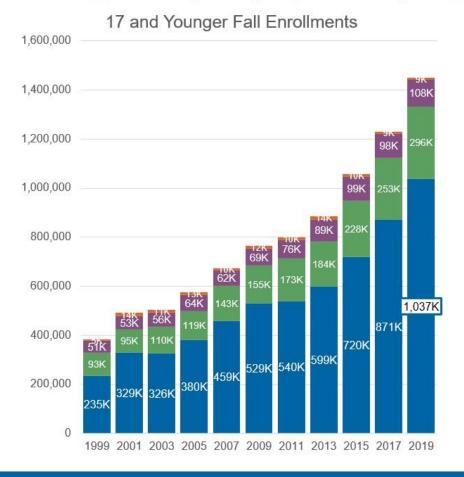
^{(3) 77}K HS CTE students in NJ (https://www.nj.gov/education/cte/)

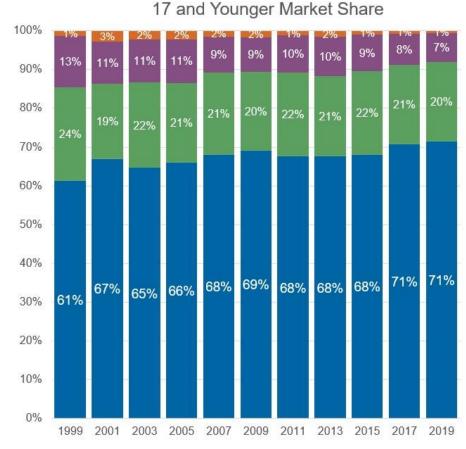


Growth of Dual Enrollment 1999-2019

Fall Undergraduate Enrollments among Students Aged 17 or Younger

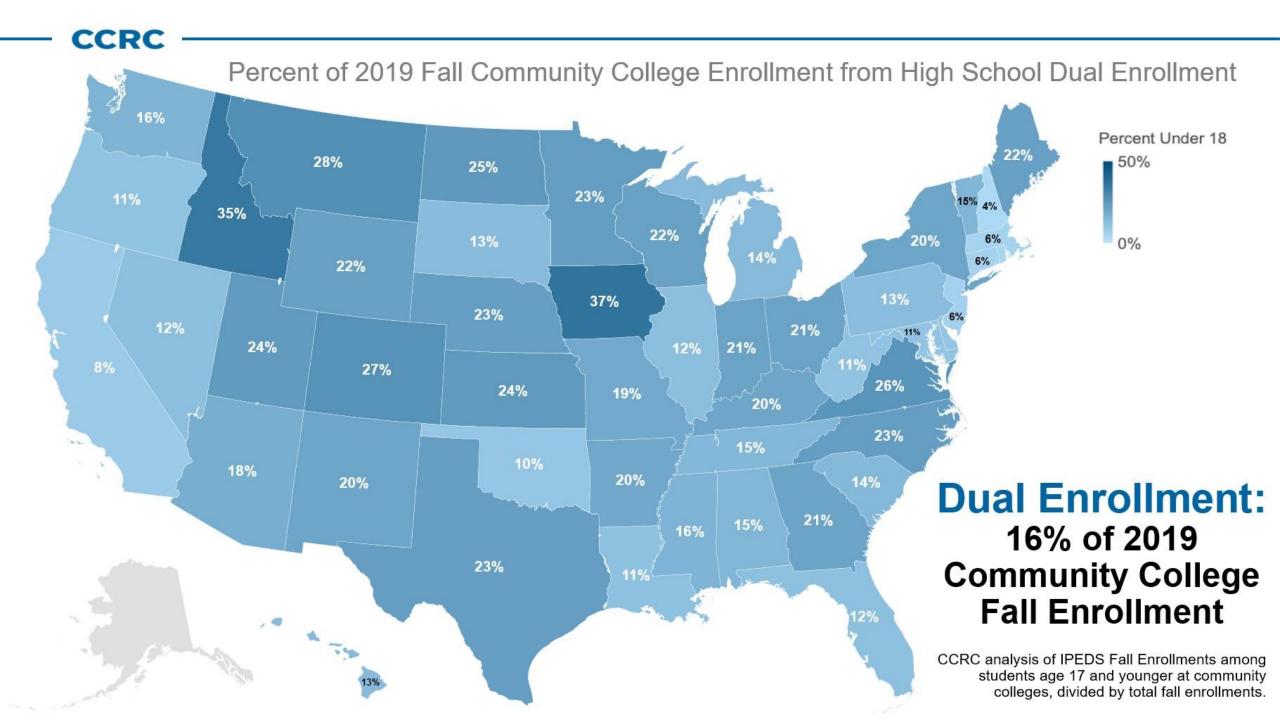
IPEDS Fall Enrollments





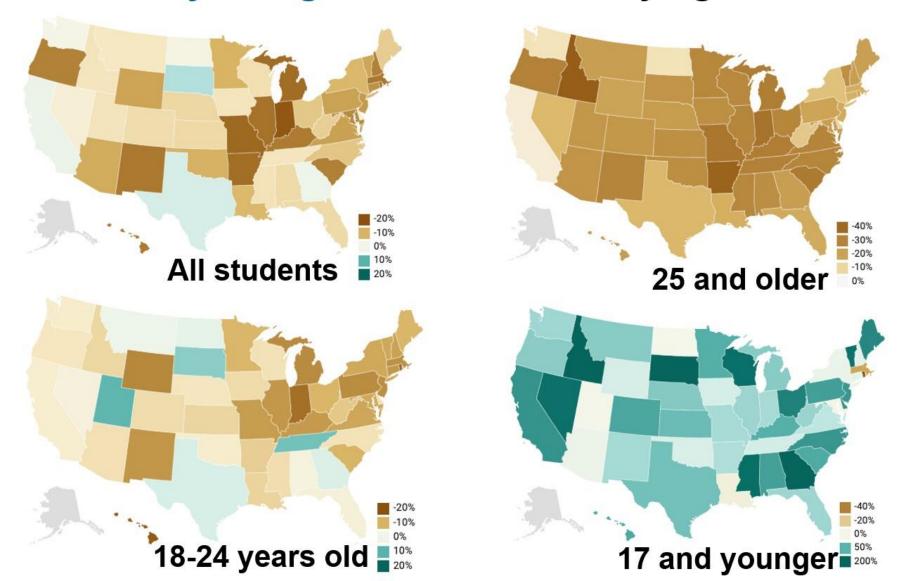
■ Community Colleges
■ Public four-years
■ Private nonprofit four-years
■ Private for-profits

Expansion of Dual Enrollment Concentrated at Community Colleges



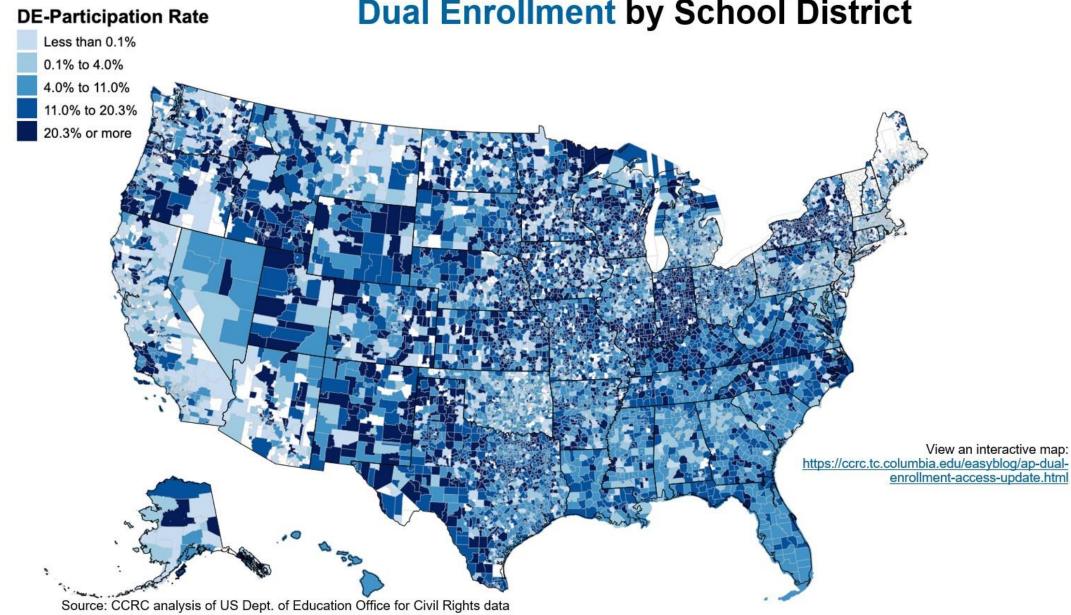
CCRC

Percent Change (2013-2019) Community College Fall Enrollments by Age



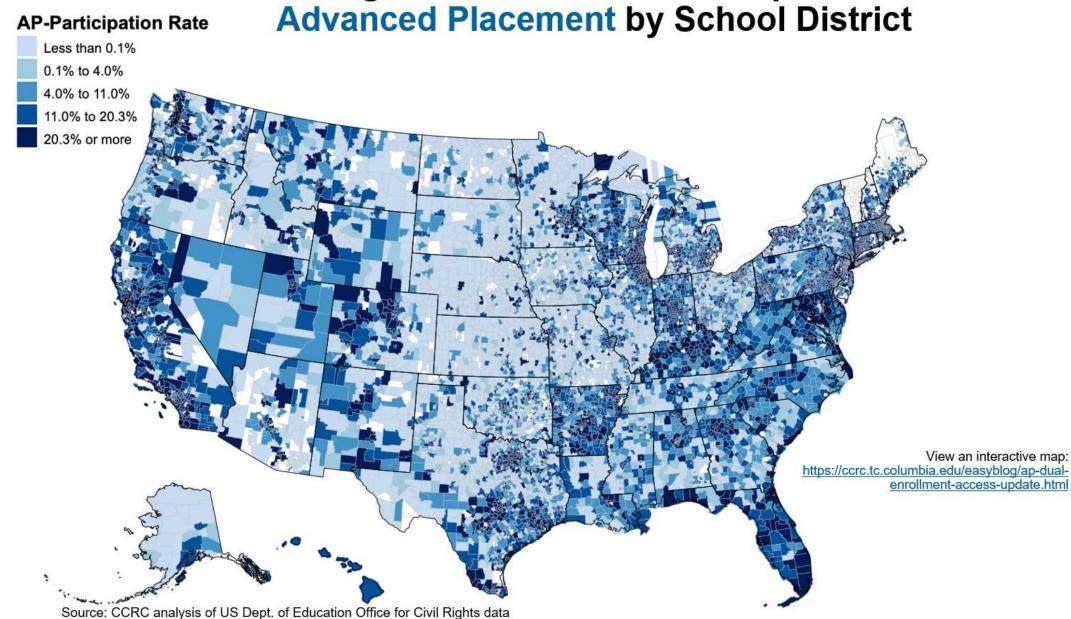


2017-18 High School Student Participation in Dual Enrollment by School District



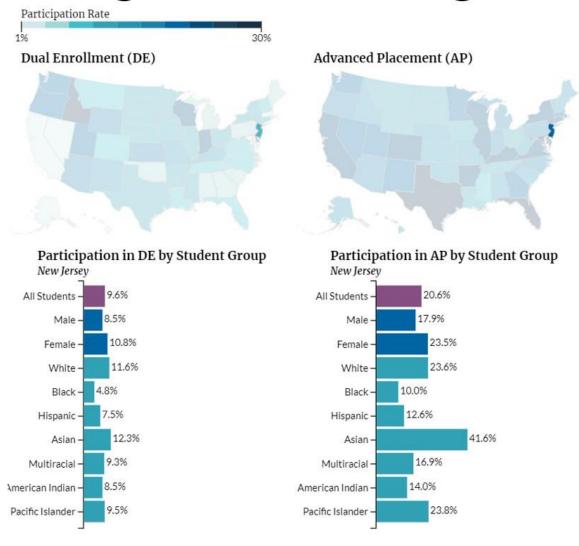


2017-18 High School Student Participation in Advanced Placement by School District



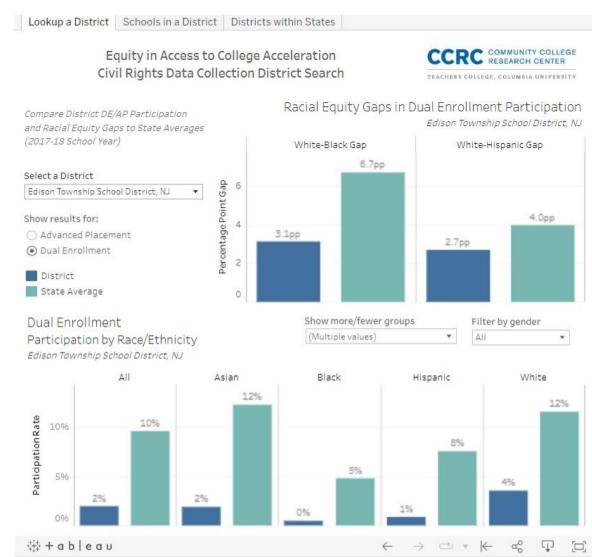


'Programs of Privilege'



https://ccrc.tc.columbia.edu/easyblog/ap-dual-enrollment-access-update.html

A Detailed Look at AP and Dual Enrollment Participation by School and District





From 'Random Acts' and 'Programs of Privilege' to High-Opportunity Postsecondary Career Pathways

Access for whom?

Dual Enrollment

Grades 6-8

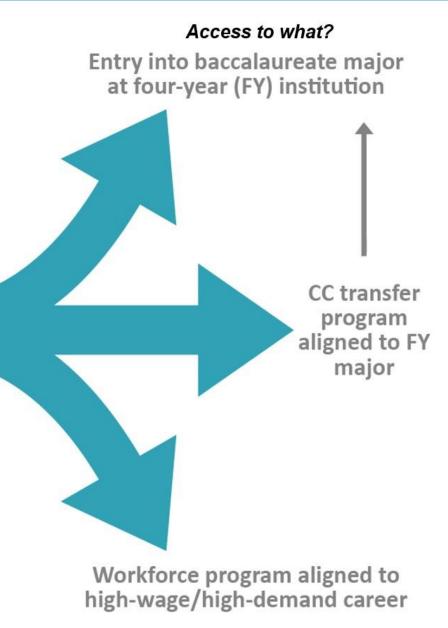
Grades 9-12

1. Outreach to underserved students & schools

DEEP Practices

Complementary set of practices implemented by college-school partnerships

- 2. Alignment to college degrees & careers in fields of interest
- 3. Early career & academic exploration, advising, & planning
- 4. High-quality college instruction & academic support



Tips for transforming dual enrollment into an onramp to postsecondary career pathways

- Backward map educational paths from HS to career-path jobs
 - Eliminate arbitrary barriers (math, tests); ensure active/experiential learning
 - Market to students, families, schools as <u>roadmaps to debt-free degrees</u> and <u>high-opportunity careers</u>
 - Market to employers, policy makers as "talent supply chain"
- Giving students career information not enough; MOTIVATE students thru opportunities for networking, exposure, experience
- Help all students explore interests, connect with others in fields of interest, and develop a career-connected education plan
- Actively market roadmaps to underserved students, families, schools, communities—showing debt free routes to college degrees linked to good jobs



ADVANCED MANUFACTURING



Awareness:

PICC or Concurrent courses to learn about a variety of jobs and careers in one interest area.



Exploration:

PICC or Concurrent courses to explore careers of interest and develop post high school plans.



Early Admission:

PICC or Concurrent courses that lead to a Career Pathway Certificate or degree.



Education:

Courses that all college students must complete to fulfill core degree requirements for graduation.



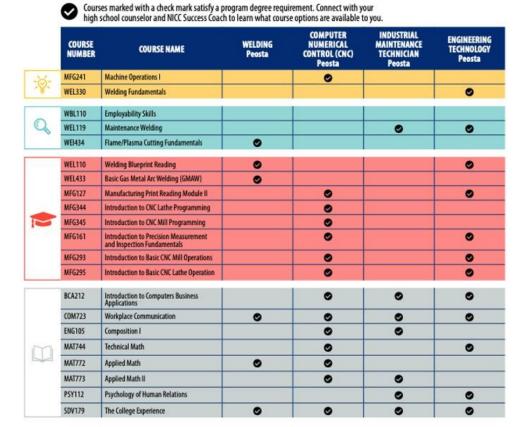
PATHWAYS



NORTHEAST IOWA

COMMUNITY COLLEGE

https://www.nicc.edu/media/nicc/document s/admissions/LSS.ACAD.GP.ClusterBook WEB.pdf





*LENGTH	PROGRAM	AWARD	LOCATION	*IN-STATE COST	*OUT-OF-STATE COST	MEDIAN SALARY
One Year	Computer Numerical Control (CNC) Machinist Technician ^{LK}	D	Р	\$8,700	\$9,744	\$42,562
6-12 Months	Computer Numerical Control (CNC) Operator*	CPC	Varies	\$2,589	\$2,589	\$41,320
Two Years	Engineering Technology ⁴	AAS.	Р	\$15,700	\$17,584	\$53,130
6-12 Months	Introduction to Industrial Maintenance*	CPC	Varies	\$2,589	\$2,589	\$42,072
One or Two Years	Industrial Maintenance Technician ^{sk}	D, A.A.S.	Р	\$6,800-\$13,400	\$7,616-\$15,008	\$53,636
6-12 Months	Industrial Sewing*	CPC	D	\$1,789	\$1,789	\$29,944
One Year	Welding ^{i,8}	D	Р	\$7,200	\$8,064	\$39,102
6-12 Months	Welding: Basic*	CPC	CRE	\$1,889	\$1,889	\$39,102
6-12 Months	Welding: GMAW*	CPC	Varies	\$2,889	\$2,889	\$39,102

LEGEND

C-Calmar P-Peosta D-Dubuque CRE-Cresco O-Online 1- Qualifies for Last-Dollar Scholarship 1- Qualifies for Kibbie Grant A.A. - Associate of Arts A.S. - Associate of Science A.A.S. - Associate of Applied Science CPC - Career Pathway Certificate C - Certificate D - Diploma



Aligning high school career clusters with college career pathways to create on-ramps into advanced workforce credentials for CTE dual credit students at Indian River State

Callaga

Get Started on Your Pathway



Career Clusters are groups of similar occupations and industries. They were developed by the U.S. Department of Education as a way to organize career planning. The sixteen Career Clusters are explained on the pages that follow.

Once you have identified the Career Clusters that interest you, review the offerings at your high school to determine the Career Pathways Academy to pursue.

Enter a Career **Pathways Academy**

Career Pathways students benefit from a clear path to their future and are able to meet graduation requirements, earn college credits and industry certifications, and gain valuable knowledge-making them college and career ready before they leave high school.

To get started in a Career Pathways Academy high school students should contact the counselor at their school.



Advance Your Education and Earnings Potential at IRSC

Every student who successfully completes a Career Pathways Academy will earn college or clock-hour credit at Indian River State College. Follow these steps:

- 1. Contact your high school counselor to enroll in your Career Pathways Academy of interest.
- 2. Complete your high school Career Pathways Academy.
- 3. Complete all IRSC Admission requirements.
 - a. Complete an Application for Admission.
 - b. Request your transcripts from your high school, and have them sent to the IRSC Office of Student Records.
 - c. Apply for financial aid.
 - d. Complete New Student Orientation.
- 4. Meet with your IRSC advisor to indicate completion of a Career Pathways Academy.
- 5. If courses align with your program objective goal, credit will be verified and applied to your degree or certificate based on your IRSC Academic Plan/Guided Pathway.

Your eligibility for Career Pathways credit is valid for 36 months following your high school graduation date.

Career Cluster 8

Health Science

Planning, managing and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Pathways:



Career Pathways Academies

Okeechobee County High School

Nursing Assistant Academy

(Completers earn up to 307 Career Pathways clock hours at IRSC, plus up to 12 additional IRSC General Education credits.)

Electrocardiography (EKG) Technician Academy

(Completers earn up to 182 Career Pathways clock hours at IRSC, plus up to 12 additional IRSC General Education credits.)







Health Science



You've Earned College Credit-Now Get Your Degree!

cademy completers have a head start in completing their college studies—100% vill receive IRSC credit. If you have interest in the Health Science Career Cluster, consider IRSC programs in the <u>Health Science Meta Major</u>.

ssociate in Arts (A.A.) Tracks

- · Biology (General)
- · Biology Preprofessional
- · Biotechnology
- · Chemistry
- · Health Science

Associate in Programs

- Dental Hygiene
- Health Information Technology

Science (A.S.)

- · Dental Assisting Technology and Management

- Emergency Medical Services
- · Health Services Management Medical Laboratory Technology
- · Nursing-R.N.
- · Physical Therapist Assistant
- · Radiography
- · Respiratory Care

Certificate and Career

Training Programs

Bachelor of Science (B.S.) Programs

- · Emergency Medical Technician - Applied Technology
- Medical Administrative
- Specialist-Quick Job Training
- · Medical Assisting-
- Quick Job Training
- · Nursing Assistant-Ouick Job Training
- Paramedic · Pharmacy Technician-
- Quick Job Training · Phlebotomy-
- Quick Job Training · Practical Nursing-
- Quick Job Training
- · Surgical Technology-Quick Job Training

IRSC graduates get great jobs! What they say

"I love caring for critically ill patients and their families in their time of need. I feel honored with the trust my patients place in me to care for them at their most vulnerable time. I also was attracted to the career because of the stability and ability to move anywhere and still be employable."

- Avla Messier, B.S.N., R.N. Cleveland Clinic Martin Health B.S. Degree in Nursing



Career Pathways

Okeechobee County



For more information, contact us at:

Davis Jenkins, pdj2102@.tc.columbia.edu



ccrc.tc.columbia.edu 🕑 CommunityCCRC 🚹 CommunityCCRC









212.678.3091

Pathways to Career Opportunities



TERESA MORELLI

Supervisor, Academics &
Supervisor, Academy for Health and
Medical Sciences (Somerset County
Vocational Tech School)

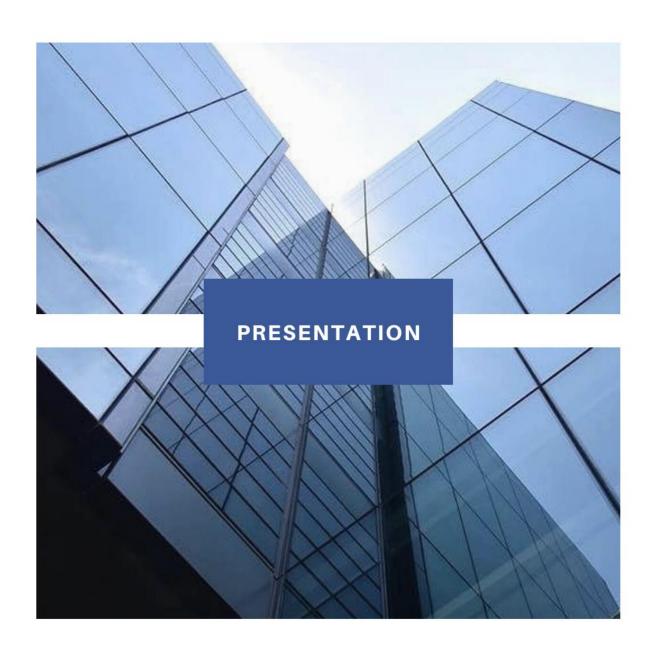


KATISHA GLOSTER

Program Manager, High School
Outreach and Academics (Raritan
Valley Community College)

Somerset Co Health Sciences Academy at the Somerset Co Vocational Tech School





Academy for Health & Medical Sciences

Presented by

Teresa Morelli

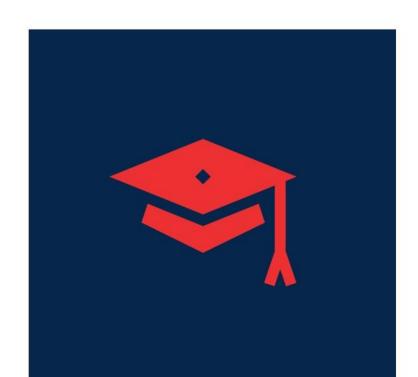
Academy Program Supervisor, Supervisor of Academics Somerset County Vocational and Technical High School

Katisha Gloster

Program Manager of High School Outreach and Academics Raritan Valley Community College

Program Overview

The Academy for Health & Medical Sciences is a rigorous 4-year honors program for highly focused, college bound students. The program is a partnership between the Somerset County Vocational & Technical High School and Raritan Valley Community College. Successful students will graduate with both a high school diploma and an Associate degree in General Science.



Benefits

- Small learning environment/cohort of students
- Develop supportive rapport amongst peers
- Academy staff collaboration to ensure student progress
- Prepares student for a 4-year college upon graduation
- Partnership with RVCC for dual academic credit

Brief Overview

9th Grade	10th Grade	11th Grade	12th Grade
Physical Education and Health 1	Physical Education and Drivers Ed	Physical Education and Health 2	Physical Education and Health 3
English 9 Honors	English 10 Honors	English Comp 1 (RVCC)	English Comp 2 (RVCC)
Biology Honors	Anatomy and Physiology 1 & 2 (RVCC)	Biology 1 & 2 (RVCC)	Physics 1 & 2 (RVCC)
Earth and Space Science Honors	Medical Terminology	Chemistry 1 Chemistry 2 (RVCC)	Calculus 1 & Stats 1 (RVCC)
Algebra 2 Honors	Advanced Geometry/Trig Honors	Physical Science Honors	Financial Lit
World History Honors	Medical Math	Pre-Calc 1 Pre-Calc 2 (RVCC)	Moral and Social Issues (RVCC)
Spanish I or II Honors	US 1 Honors	US 2 Honors	Spanish IV or V Honors
Art 1 (1/2 Year)	Cultural Anthropology (RVCC)	Spanish III or IV Honors	
Photography (1/2 Year)	Human Origins (RVCC)	Workplace Experience	
	Spanish II or III Honors		

Credits Earned

Sophomore Year: 14 credits

Junior Year: 25 credits

Senior Year: 21/22 credits

Key

High School Requirement/Dual Credit

RVCC Only

Fast Facts



Admissions

Determined based on GPA, NJSLA test scores, Admissions Test, and Interview



Transportation

Provided by sending district



Extracurricular Sports and Activities

SkillsUSA, Soccer, Cheerleading, Model UN, Rotary and more



Teaching Staff

Faculty from both SCVTHS and RVCC



Articulation Agreements

Agreements with other colleges and universities



Challenges

Different student populations

Questions?



Presented by

Teresa Morelli

Academy Program Supervisor, Supervisor of Academics Somerset County Vocational and Technical High School

Katisha Gloster

Program Manager of High School Outreach and Academics Raritan Valley Community College

Student Spotlights



SANGEETHA PUNNAM
Student (Raritan Valley Community
College & Somerset County Vocational

Tech School)

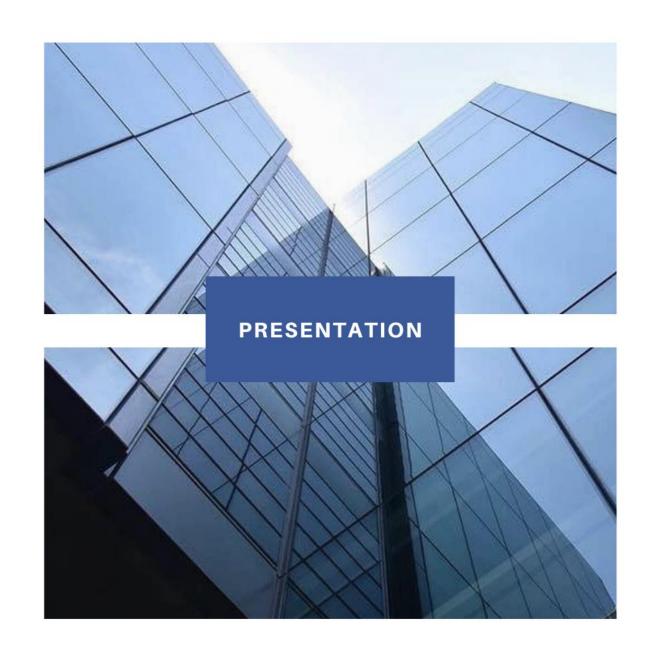


VARUN PUNNAM

Alum & Current 4-Year University Student (Raritan Valley Community College Alum and UPMC Current Student)

Raritan Valley Community College





Closing Remarks

Thank you for Partnering with **NJ's Community Colleges** and the **New Jersey Business and Industry Association** to Align Education to Build an Innovative Workforce.



SANDRA BLECKMAN

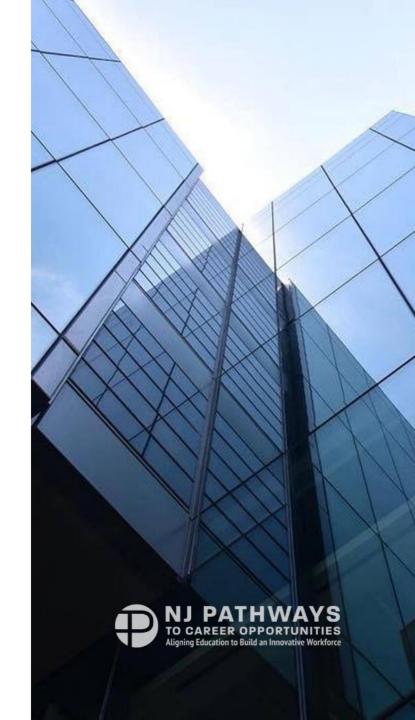
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Get involved in NJ Pathways to Career Opportunities at NJPathways.org. Become a partner to receive updates, meeting invitations, and other materials.

Organization*

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INVOLVED



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STAY INVOLVED: UPCOMING MEETING DATES IN MAY & JUNE 2022



Wednesday, May 25, 2022 10:00 AM to 11:00 AM



MANUFACTURING & SUPPLY CHAIN MANAGEMENT COLLABORATIVE

Wednesday, June 8, 2022 1:00 PM to 2:00 PM



TECHNOLOGY & INNOVATION COLLABORATIVE

Wednesday, June 15, 2022 10:00 AM to 11:00 AM



HEALTH SERVICES COLLABORATIVE

Wednesday, June 22, 2022 10:00 AM to 11:00 AM







NJ PATHWAYS TO CAREER OPPORTUNITIES

Aligning Education to Build an Innovative Workforce

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