

Community College Science and Engineering Advisory Board

November 15, 2022

WELCOME!

Agenda

1. New Programs
2. Enrollment trends
3. Kyncl Scholarship
4. Transfer Success
5. SUNY General Education Mandate?
6. Transfer Articulation Issues?
7. HHMI Grant – Dr. Jennifer Waldo

3:45 p.m. – 4:30 p.m. Breakout Sessions

4:30 p.m. Reception with SUNY New Paltz faculty, staff, and students

5:00 p.m. Harrington STEM Lecture - Energy Storage: A keystone for a sustainable, equitable energy future. Dr. Amy Marschilok, Associate Professor and Co-Director, Institute for Electrochemically Stored Energy, SUNY Stony Brook

New Programs

I. 4 + 1ish Science/MAT

- BA in Biology + MAT
- BA in Chemistry + MAT
- BA in Geology + MAT Earth Science
- BA in Mathematics + MAT

II. Biology Major Revisions

- BA Degree Track – much more flexibility in cognate courses
- Four BS Degree tracks:
 - Cellular Biology
 - Environmental Biology
 - Integrative Biology
 - Organismal Biology

III. Environmental Geochemical Science is NOW Environmental Science

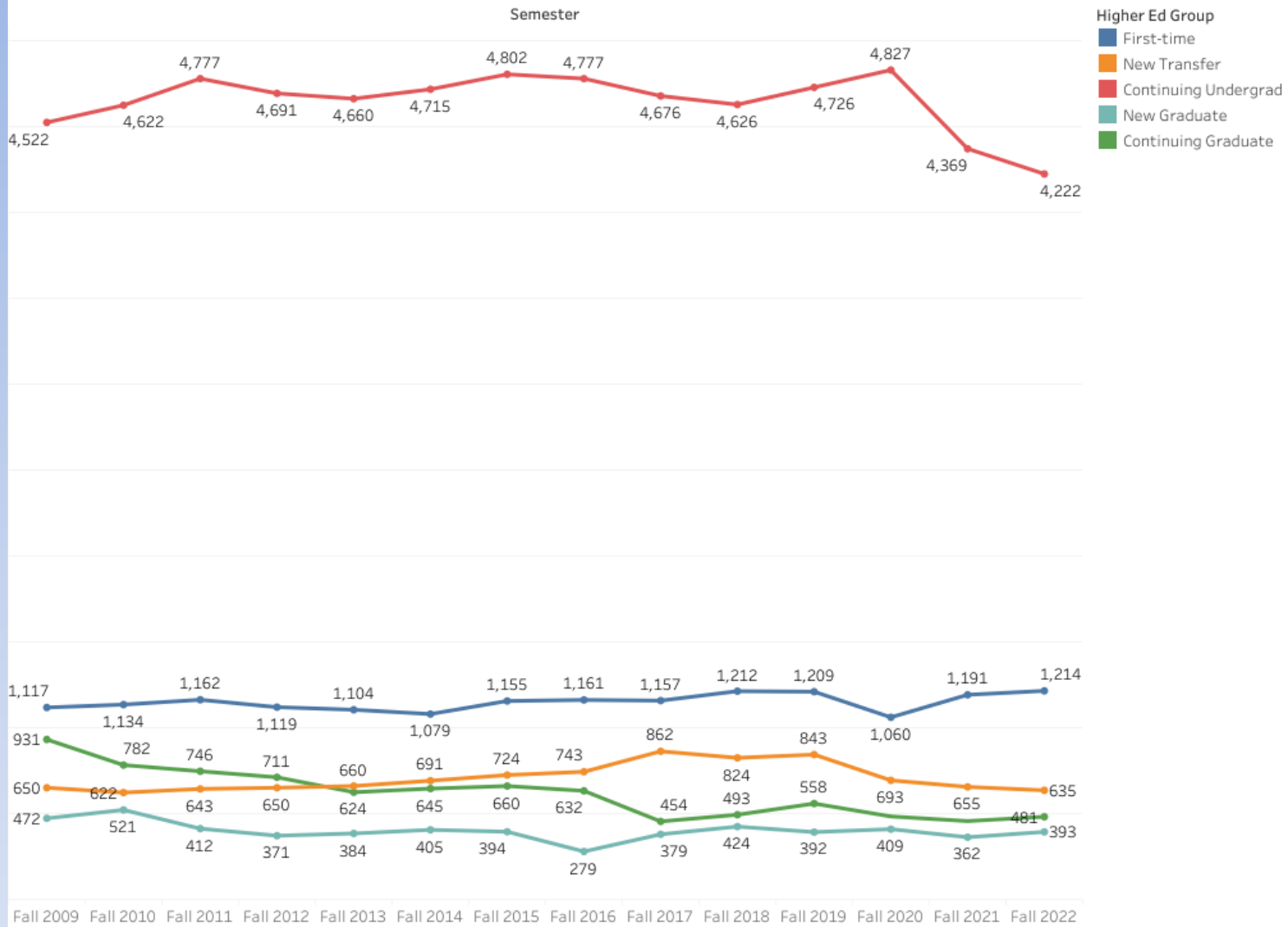
New Programs

IV. New York Clean Energy Workforce Training Team (NYCEWATT) - Wind Energy Microcredential (in process):

- Four one-credit online modules that count as engineering electives:
 - Aerodynamics of Wind Turbines
 - Wind Farm Acoustics
 - Structural Mechanics of Wind Turbine Blades
 - Drive Train Dynamics of Wind Turbines

V. 4+1 Computer Science MS degree paired with any undergrad major.

Enrollment Trends



Kyncl Scholarship

- Total of \$550,000 in scholarships for transfer students – 16 awarded through this year
- Major in Computer Science and Computer Engineering
- \$3,000/year for up to 3 years
- Students from:
UCCC, DCC, OCC, WCC, SCC, CGCC



Luz and Robert Kyncl

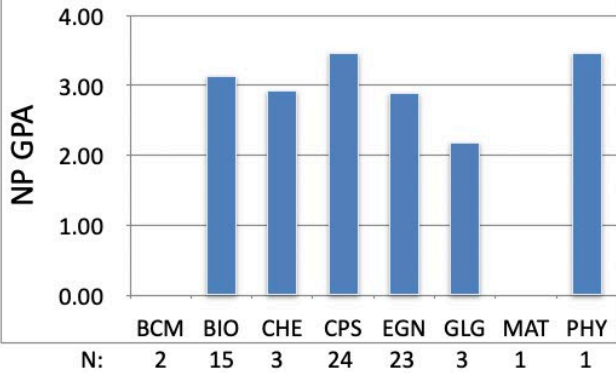
Transfer Student Retention



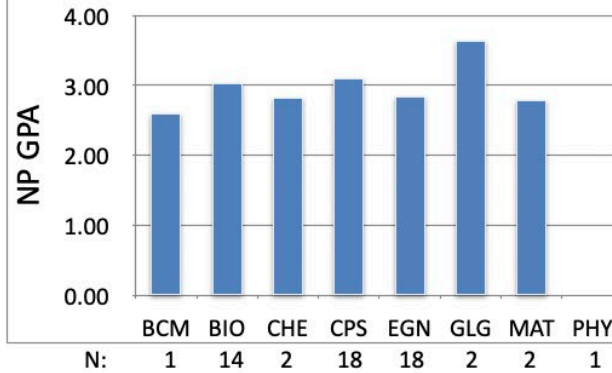
Transfer GPA

About half our transfer students have a two-year degree

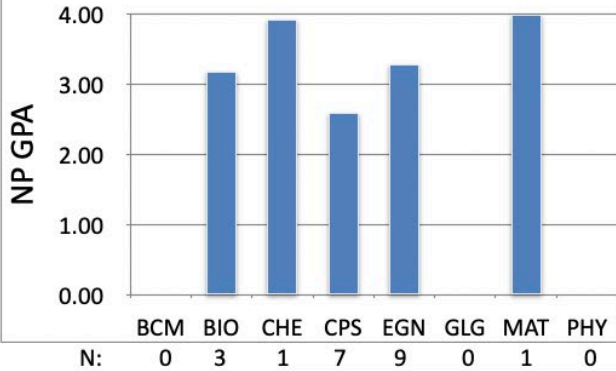
Dutchess



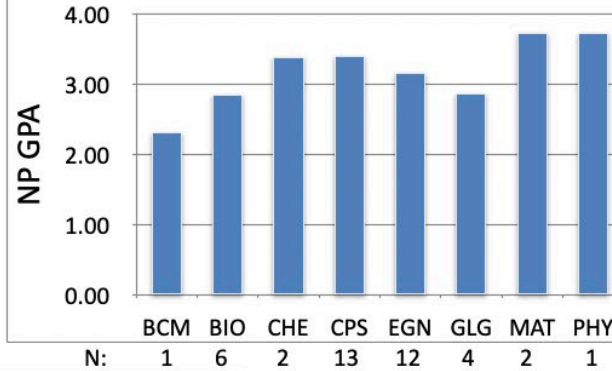
Orange



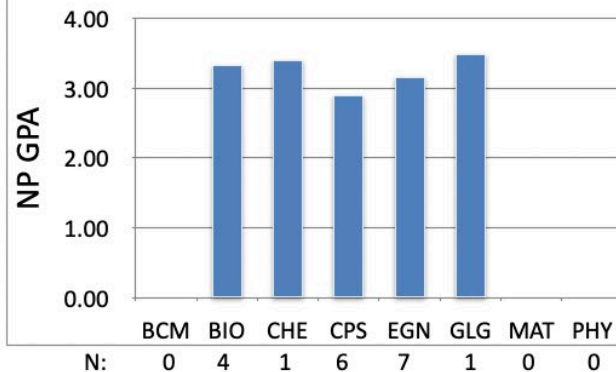
Rockland



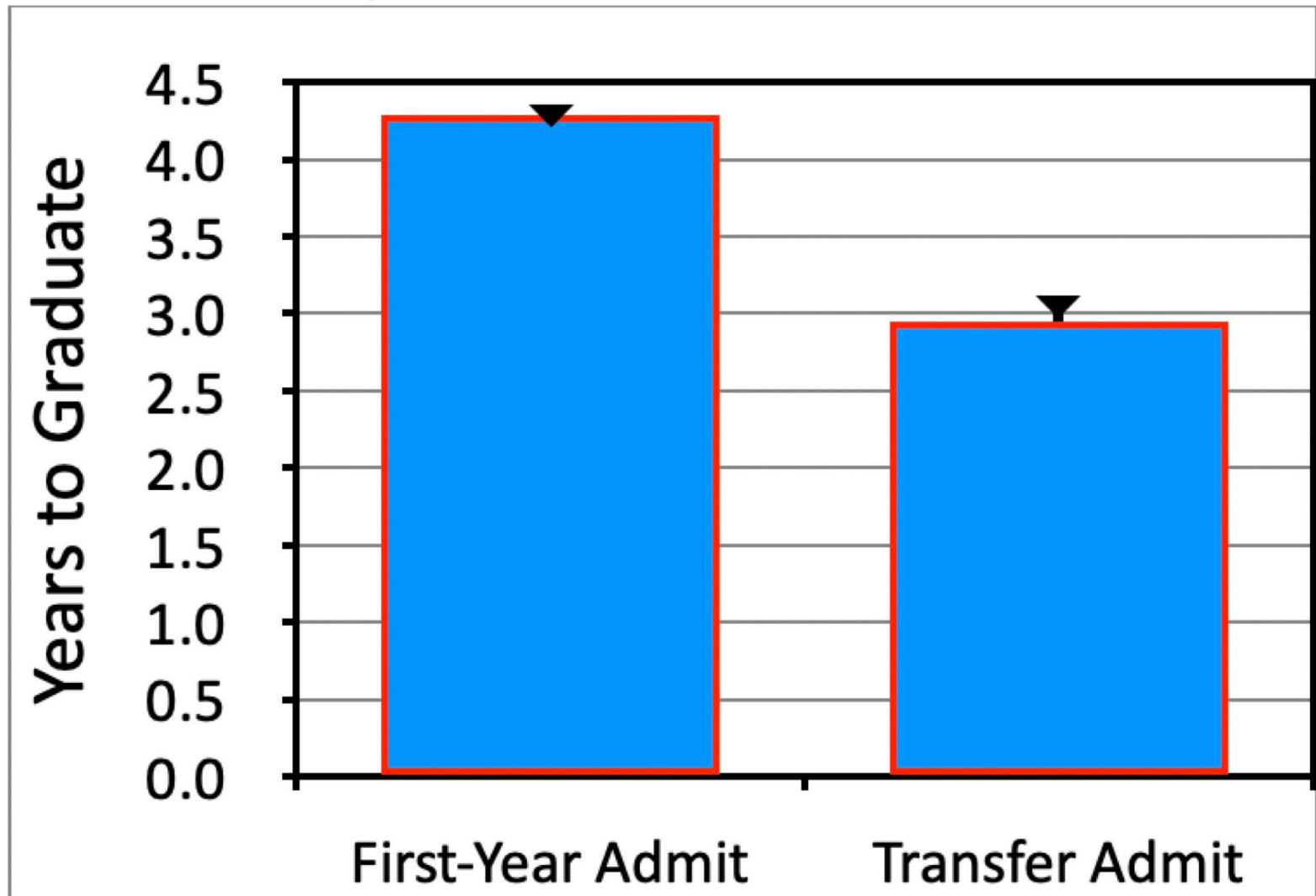
Ulster



Westchester



SSE Degrees Awarded from 2012 to 2020



Student Success

Biology

Mariam Ali – Dutchess - PA Program @ Touro -

Laura Wyeth – Ulster - lecturer @ SUNY New Paltz

Rory Schiafo – Columbia-Greene- PhD program @ Northwestern

Julia Furfaro - Westchester & Dutchess - PhD program @ SUNY Buffalo

Biochemistry

Dylan Fitzmaurice, Orange - Ph.D. candidate at NYU and NSF GRF Recipient

Simone Evans, Ulster/Orange - PhD in Neuroscience @ Dartmouth

Chemistry

Simone Avant, Orange - Assistant R&D Chemist, Equibal Labs

Madison Knarich, Rockland - Chemistry Teacher, Nanuet Senior HS

Julius Krentz, Sullivan - Analytical Chemist at Sullivan County Labs

Computer Science

Ashley Suchy, Orange - Asst. Professor, New Paltz

John Berean, Rockland - Cigna

Sancho Day, Dutchess - Amazon

Olga Nenyadenko, Westchester - IBM

Student Success

Engineering

Ulster

Vaughan Clewis (Sikorski)

Bobby Ferante (Sikorski)

Dutchess

Vera Ruiz – IBM

Jen Behan (U of Roch – MS in Biomed. Eng)

Orange

Wolf Wolback (IBM)

Rockland

Sean Ryan (Global Foundries)

Chris Rodi (Stevens Inst. Tech, MS in Env. Eng)

Geology

Victoria Treto – Dutchess – Environmental Health Engineer at Vermont DOH

Dan Danner, Orange - Environmental consulting, C2G

Ryan Richard, Dutchess - NYS DEC

Deanna Natrella, Dutchess - Environmental consulting, Antea Group

Mathematics

Alexis Ricci, Ulster – IBM

Simone Evans, Ulster/Orange (Math and Biochem) - PhD in Neuroscience @ Dartmouth

Physics and Astronomy

Faye Lyons, HVCC, Lockheed Martin (Oregon)

Wyatt Mehmeti, Ulster – Physics Teacher in Red Hook

Joseph Spiconardi, Ulster – PhD Student at NC State

New GE Questions?

As far as we know from SUNY's announcements about the new GE5, students starting under GE4 at a community college or other SUNY campus will enter under GE4 if they transfer here.

HHMI Grant

Prof. Jennifer Waldo

Thank You!

Questions and Comments?

SSE Degrees Awarded from 2014 to 2020

