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

Higher Ed Group
- First-time
- New Transfer
- Continuing Undergrad
- New Graduate
- Continuing Graduate

Fall 2009 Fall 2010 Fall 2011 Fall 2012 Fall 2013 Fall 2014 Fall 2015 Fall 2016 Fall 2017 Fall 2018 Fall 2019 Fall 2020 Fall 2021 Fall 2022
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

Undergraduate Students: Status One Year Later

<table>
<thead>
<tr>
<th>Student Type</th>
<th>Term</th>
<th>Status 1 Year</th>
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<tbody>
<tr>
<td></td>
<td>Fall 2017</td>
<td>Fall 2018</td>
</tr>
<tr>
<td>First-Year</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>83.3%</td>
<td>85.4%</td>
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<tr>
<td></td>
<td>16.7%</td>
<td>14.6%</td>
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<tr>
<td>New Transfer</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>82.9%</td>
<td>81.0%</td>
</tr>
<tr>
<td></td>
<td>16.1%</td>
<td>17.9%</td>
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<tr>
<td>Continuing Undergrad</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>55.1%</td>
<td>60.0%</td>
</tr>
<tr>
<td></td>
<td>33.0%</td>
<td>32.7%</td>
</tr>
<tr>
<td></td>
<td>8.9%</td>
<td>10.3%</td>
</tr>
</tbody>
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Notes:
- Not Enrolled
- Graduated
- Enrolled

New Paltz
State University of New York
Transfer GPA

About half our transfer students have a two-year degree
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*  *Dutchess*  *Orange*

Vaughan Clewis (Sikorski)  Vera Ruiz – IBM  Wolf Wolback (IBM)
Bobby Ferante (Sikorski)  Jen Behan (U of Roch – MS in Biomed. Eng)

*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 Dannor, Orange - Environmental consulting, C2G
Ryan Richard, Dutchess - NYS DEC
Deanna Natrela, 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?