

Teaching and Learning Updates

Jenna Rickus

Senior Vice Provost for Teaching and Learning

11/22/2024

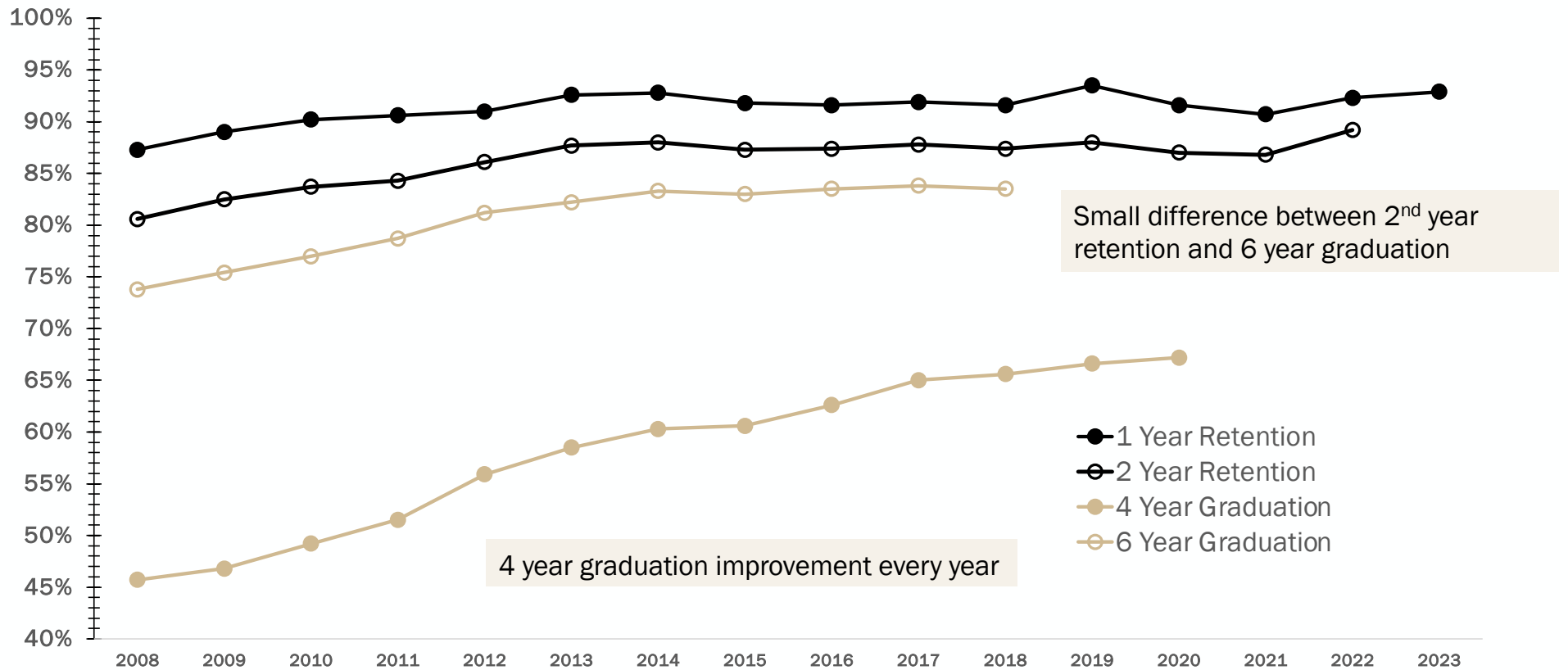


Enhancing Undergraduate Student Success

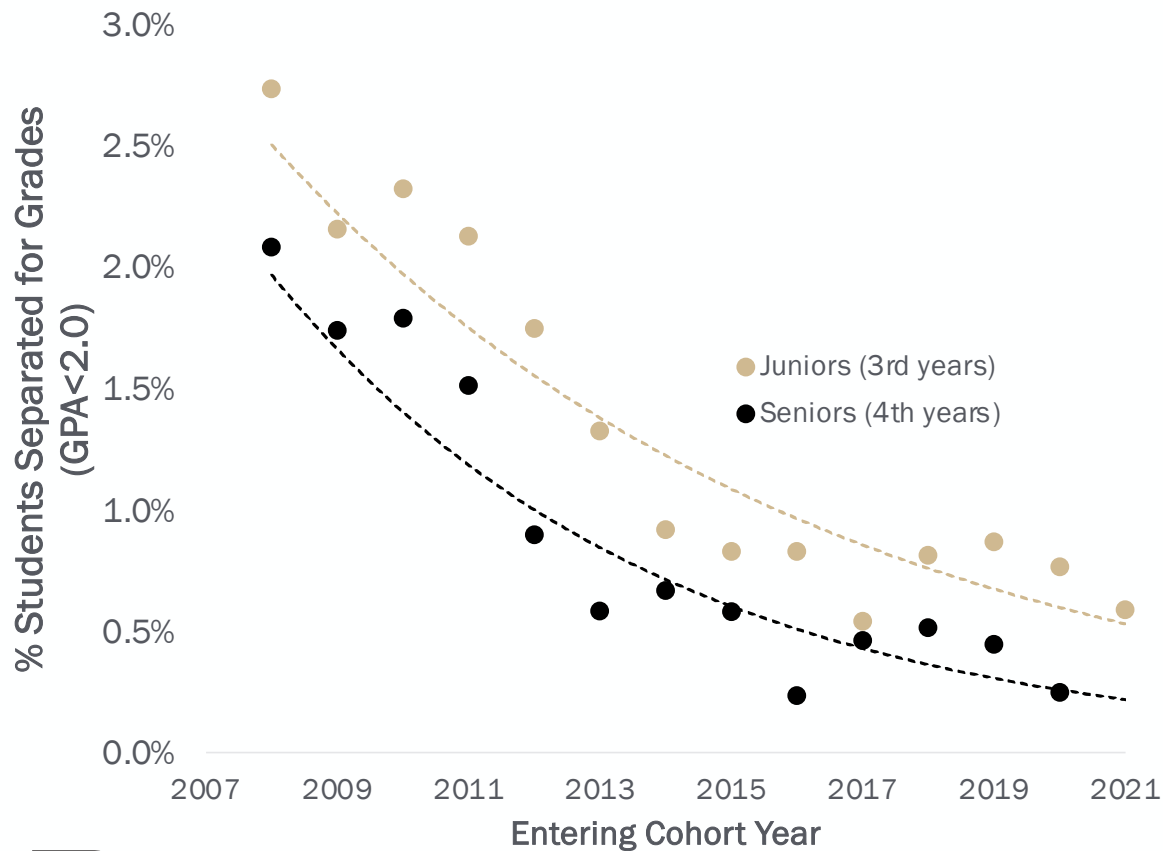
- Retention and Graduation
- Academic Advising



Retention & Graduation



Retention: Academic Success for Upper Class Students



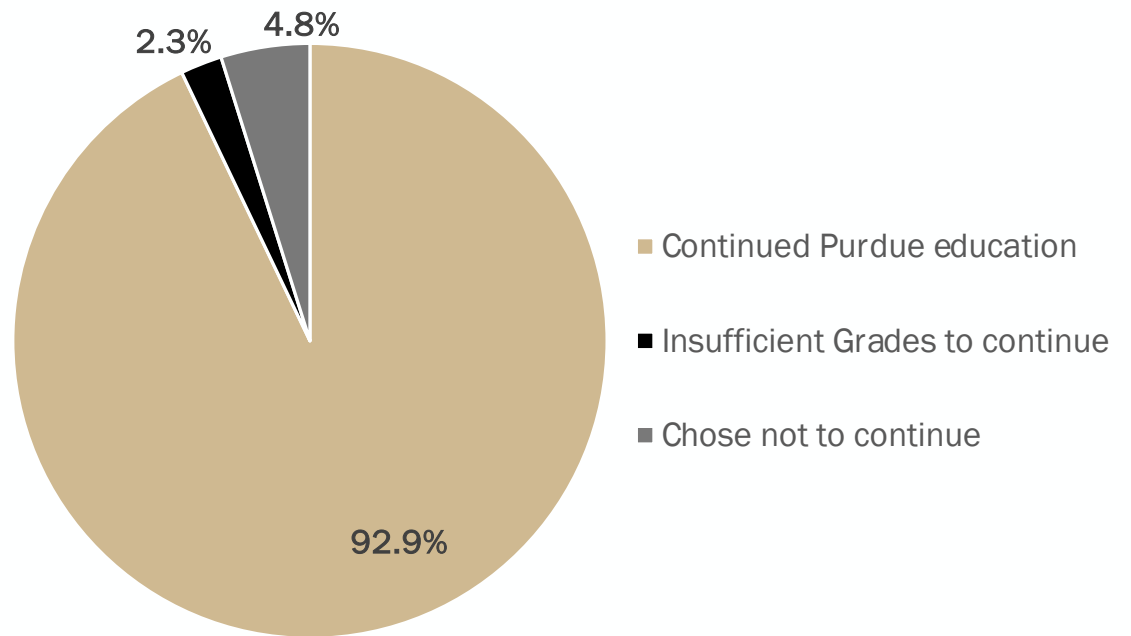
- By academic regulation, every semester some students cannot re-enroll because of insufficient grades (both term and cumulative GPA below a C average, GPA < 2.0)
- Junior and senior academic success as improved significantly over the last 15 years.
- Today < 1% of juniors and < 0.5% of seniors are separated from the university for insufficient grades.

First Year Student Retention

93% of first year students returned for a 2nd year

5% of students chose to leave

2% of students were separated from the university for grades (GPA<2.0)



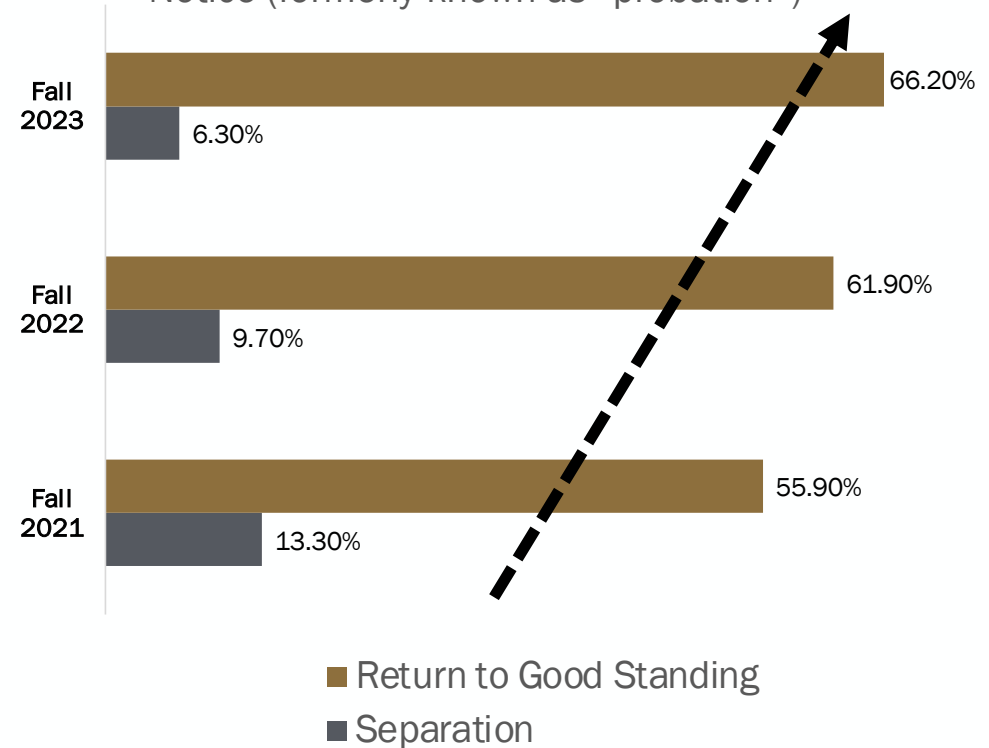
Fall 2023 Entering Class

Academic Support Systems

Recent changes and efforts that are making a difference

- Weekly Message for Success
 - Support for students on academic notice
 - Just-in-time topics cover academic and holistic evidence-based strategies
- Psychology-attuned language for policies and communication to students
 - Encourages persistence and belonging
 - Purdue recognized as early-adopter of this approach in July 2024 Chronicle of Higher Education article

Improving Outcomes for Students on Academic Notice (formerly known as “probation”)



National Leadership in Academic Advising



Executive Director of University Undergraduate
Academic Advising, **Jeff Elliott**
Joining Board of Directors of NACADA

Co-leads national group to develop
AI in Advising guidance and support



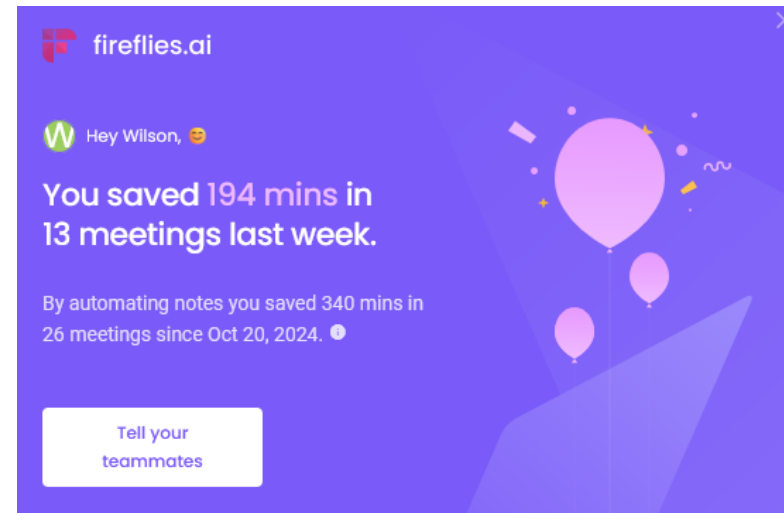
2024 NACADA Awards:

- **College of Engineering Honors Program** received the Outstanding Advising Program award
- **Jen Fetcher** in HHS received a Certificate of Merit for Outstanding Advisor
- **Tiffany Stergar**, Assistant Director in UUAA, presented on the Mastery Advising Certificate

AI Supported Academic Advising

Student and Advisor Initiated Innovations – Collaboration with IT

- AI support of students changing majors
 - 24/7 access to questions about major change eligibility
 - Original coding completed by industrial engineering seniors in spring 2024 capstone course
- Academic Advisor Listening Companion
 - Takes notes and summarizes action items
 - Saves time to support human conversation



Critical Thinking for Purdue Undergraduates



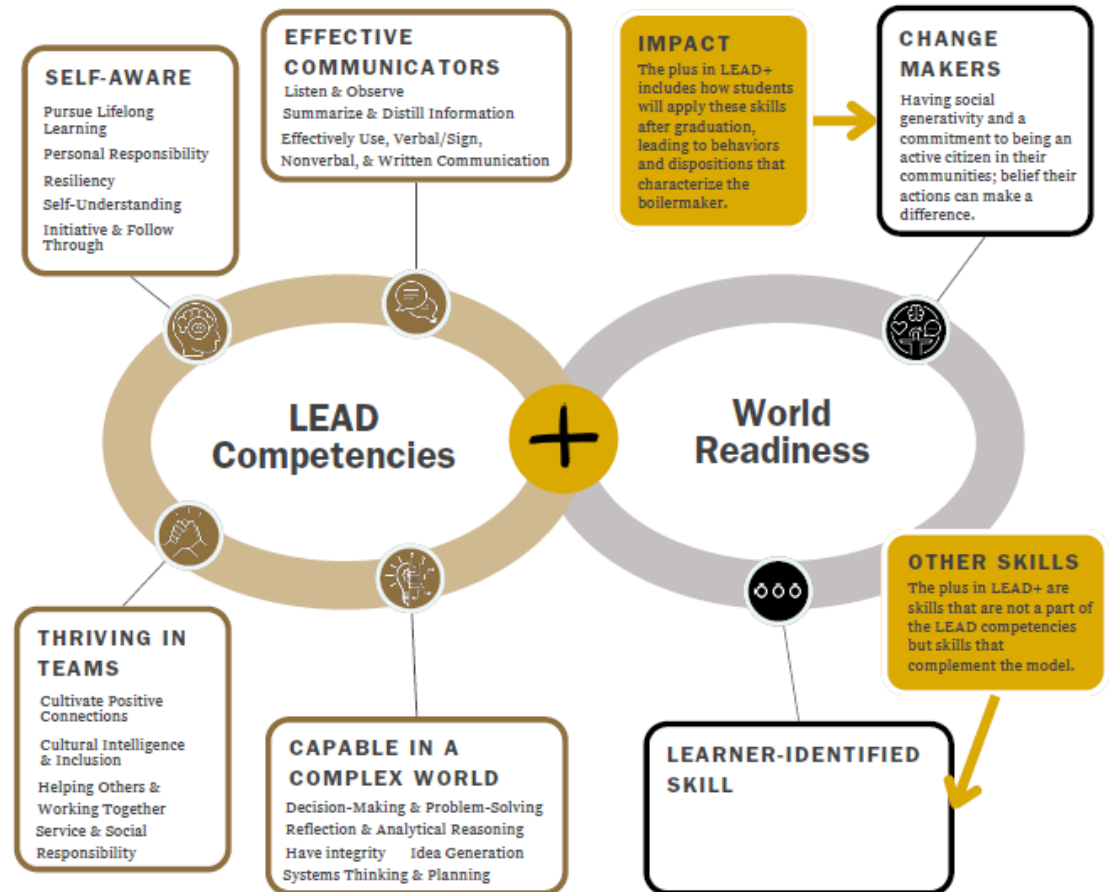
Critical Thinking – A Core Competency for Curricular & Co-Curricular

Purdue University Core Curriculum

“Critical thinking is the process of gathering information, analyzing it in various ways including quantitative and qualitative methods, and evaluating it for the purpose of solving a problem or making a decision.”

LEAD + World Readiness Outcomes

Critical Thinking is essential for students to be capable in a complex world.



Critical Thinking

New & On-going Faculty-facing, Student-facing & College Level Initiatives

In the Colleges - Advancing & Measuring through Innovation

Daniels School of Business

Purdue Polytechnic Institute

Liberal Arts - Cornerstone

New Student Facing Resources

- Updated, student-friendly language for critical thinking: World-ready Boilermakers are capable in a complex world
- Guided reflection on these outcomes will be woven into the student experience

Core-Curriculum Integrating & Assessing

- Conducting curriculum mapping learning outcomes & integration of into curriculum
- Support from Center for Instructional Excellence & IDA+A

Instructors Support for Teaching and Measuring critical thinking

- Innovative Learning Team: IMPACT
- Faculty Learning Community

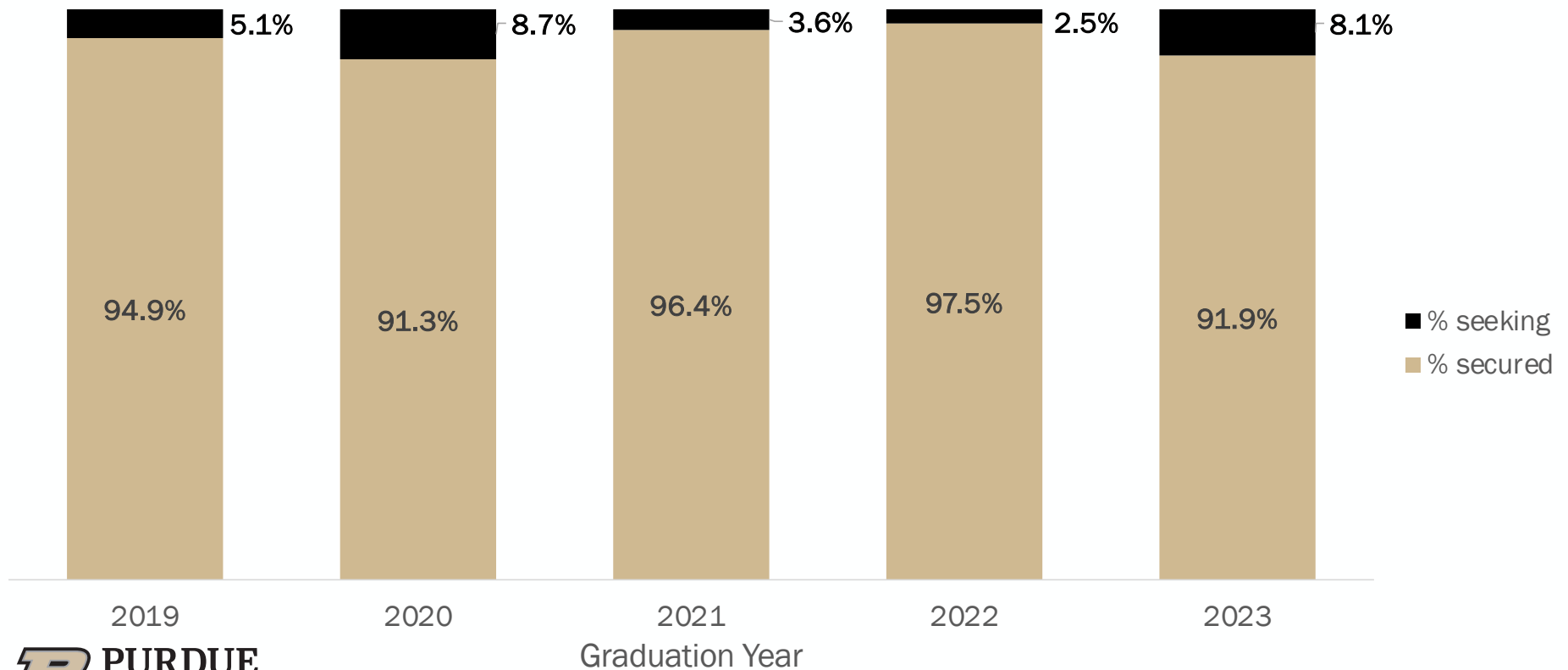
Post-Graduation Outcomes and Trends

- Career and Salary Outcomes
- Graduate School
- National & International Scholarships



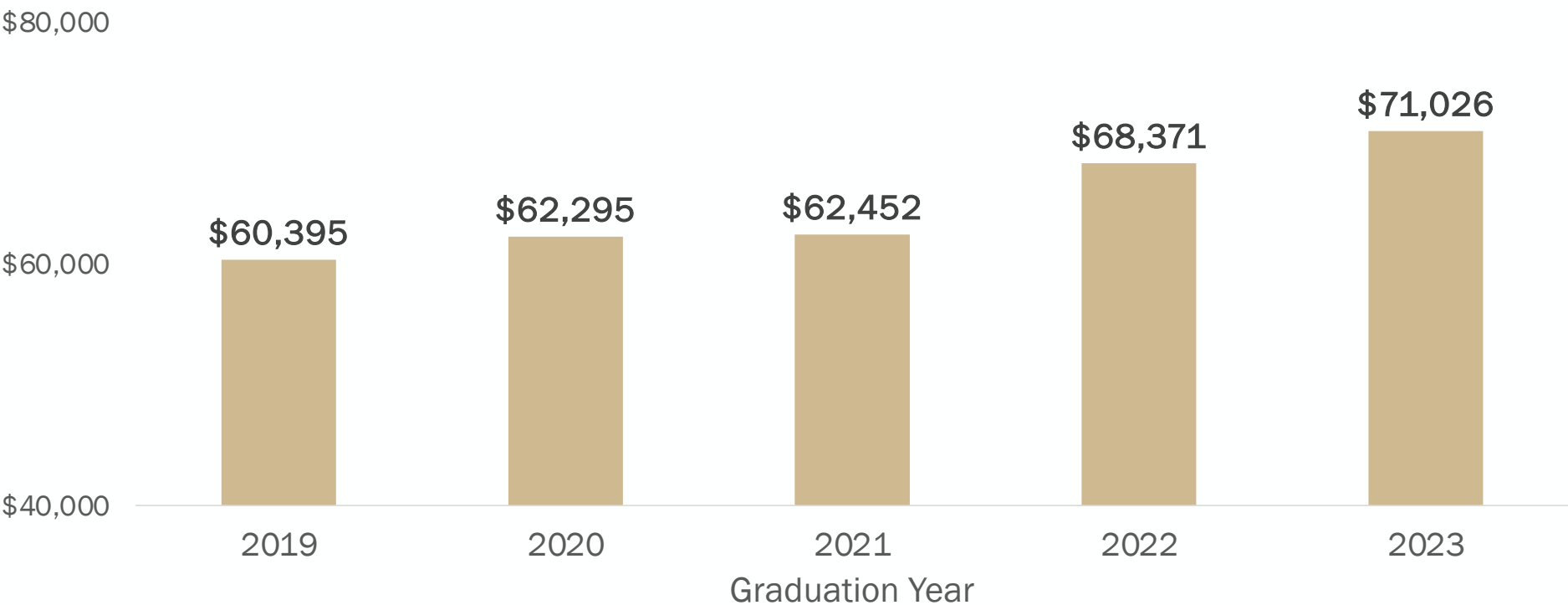
92% of May 2023 Graduates Secured a Positive Outcome

Positive Outcome includes employment, continuing education, & other (e.g. military or volunteer service, not seeking)



Starting Salaries Increase Year over Year

Average Starting Salary for May 2023 Graduates Increased by 3.9%



National Comparisons* (2023 data)

National Average for all Higher Education Institutions, May 2023: \$63,721

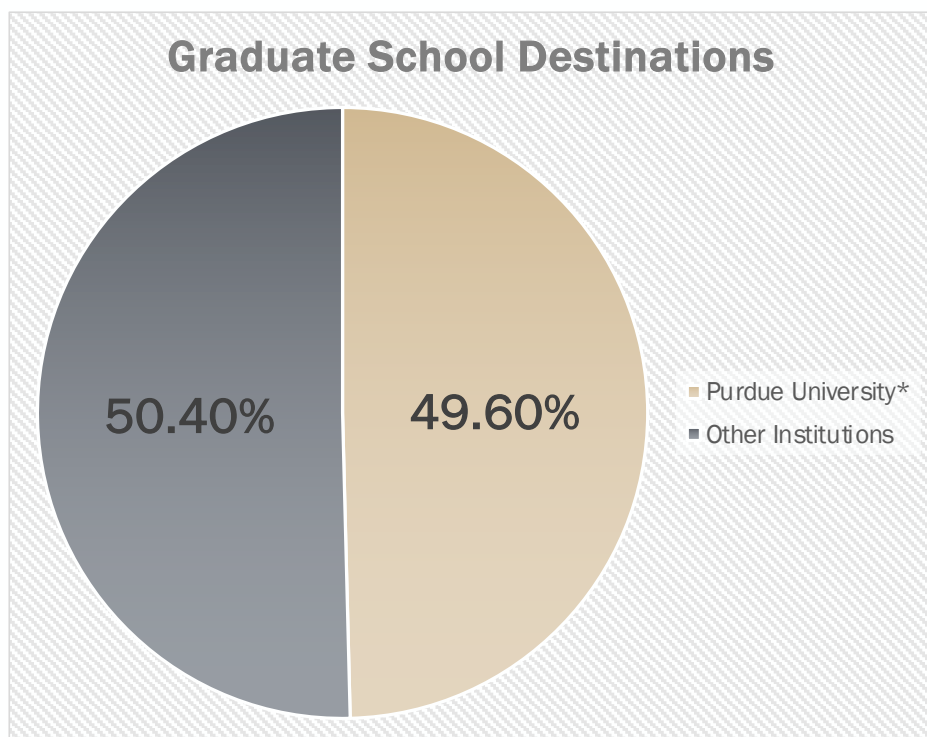
| University | Knowledge Rate | Secured Outcome Rate | Average Salary |
|--------------------------------------|----------------|----------------------|----------------|
| Purdue University | 85% | 92% | \$71,026 |
| Penn State | N/A | N/A | N/A |
| Indiana University | 79% | 92% | \$47,787 |
| University of California, LA | N/A | N/A | N/A |
| University of Southern California | N/A | 92% | \$86,578 |
| University of Illinois | 65% | 91% | \$76,000 |
| University of Wisconsin | N/A | 72% | N/A |
| University of Michigan (Engineering) | 86% | 91% | \$99,686 |
| Georgia Tech | 42% | 78% | \$88,585 |
| Ohio State (Engineering) | 86% | 67% | N/A |
| University of Iowa | 75% | 96% | \$55,000 |
| University of Maryland | 75% | 94% | \$74,408 |
| Northwestern University | 79% | 96% | \$77,271 |

Note: Some peer institutions do not collaborate internally on collecting and reporting post grad data. Data is not adjusted for cost of living.

*Based on Web Sources: [IU](#), [U of I](#), [Penn State](#), [UW Madison](#), [Michigan](#), [Georgia Tech](#), [Ohio State](#), [UCLA](#), [USC](#), [NACE](#), [Northwestern](#), [University of Iowa](#), [University of Maryland](#)

Purdue Grads Stay at Purdue for Graduate School or Attend Top Programs

Top non-Purdue Destinations for Graduate School (MS/PhD only)



**Purdue Graduate School destinations have a 100% knowledge rate. Other destinations represent an 85% knowledge rate of this cohort.*

2.26% - Columbia University (NY)

1.58% - Cornell University (NY)

1.47% - Johns Hopkins University (MD)

1.47% - Georgia Institute of Technology (GA)

1.36% - University of Michigan—Ann Arbor (MI)

1.36% - University of Illinois—Urbana-Champaign (IL)

1.24% - New York University (NY)

1.13% - University of California—Berkeley (CA)

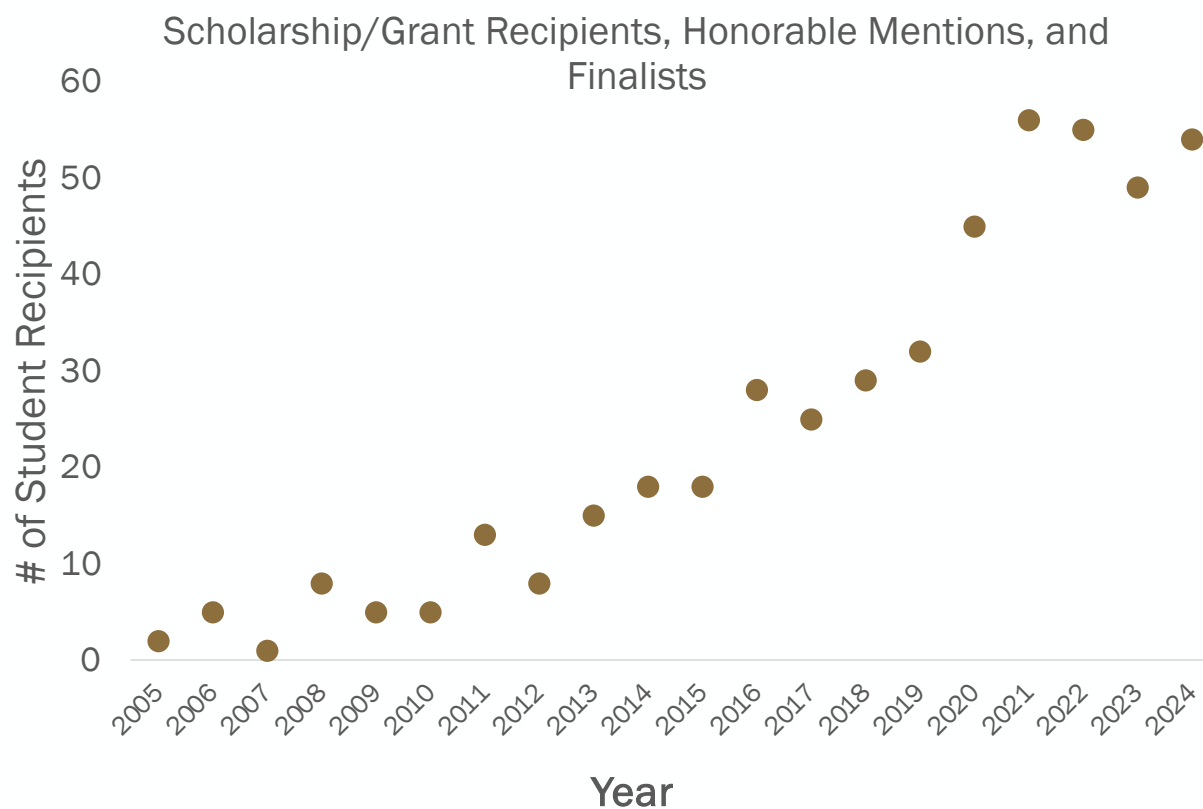
1.13% - University of Southern California (CA)

1.13% - Carnegie Mellon University (PA)

Over 190 unique university destinations reported

Prestigious National & International Scholarships Increase

- # of Awards, Finalists and Honorable Mentions for National and International Prestigious Scholarships and Grants has increased over time.
- Several awards support graduate studies, domestic and international scholarly endeavors post graduation

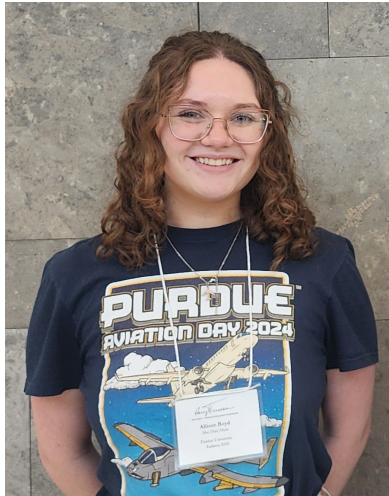


2024 National & International Scholarships

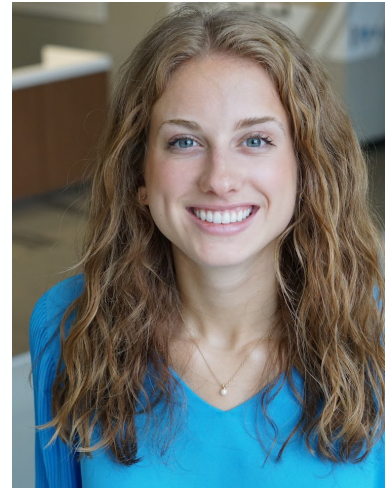
Purdue's 4th Truman Scholar in 7 yrs
Out of ~60 awarded each year

Purdue's 3rd Churchill Scholar in 9 yrs
Out of ~19 awarded each year

Record 14 Fulbright U.S. Student
Program offers for 2023-2024



Allison Boyd,
2024 Truman
Scholar



Sydney Hummel,
2024 Churchill
Scholar



Isaac Wheeler,
2024 Fulbright
U.S. Student

Actions to Strengthen Purdue Polytechnic High Schools

Academic and Student Affairs Committee

11/22/2024



Student Success is our Top Priority

- Renewed focus on student success has resulted in a 95.2% first-year retention rate for PPHS graduates who started at Purdue in Fall 2023 (record)
- 97 PPHS graduates are enrolled at West Lafayette
- Students from the first cohort are earning Purdue degrees
- PPHS College Collaborative
 - Includes a representative from each academic college on campus
 - Meeting regularly to share data, brainstorm engagement ideas, and increase faculty engagement



Xavier Howard earned a bachelor's degree in robotics engineering technology in just three years.

Strengthening Pathways to Purdue

- Marketing and Communications has partnered with PPHS to revise the school's brand guide and recruitment materials
- PPHS has launched a national search for a school counselor
- Purdue representatives visited PPHS 11 times this fall to help students with the application process
- Purdue Fort Wayne and Purdue Northwest have appointed liaisons to help students find a home within the Purdue system
- 66 PPHS students participated in residential summer programs in West Lafayette to get a taste of college life
- Eligible students have the opportunity to take entry-level college courses in Indianapolis during high school

PPHS Board Leadership



Jenna Rickus, PhD
Chair of New Academic Committee
(New Board Committee)



John Gipson, PhD
Chair of Governance and
Nominating Committee



Jay Wasson, PE, MBA, MSCE
Appointed October 2024

Jenna Rickus, Senior Vice Provost for Teaching and Learning

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