



2024-2029
Roy G. Perry College of
Engineering Strategic Plan

Executive Summary

Roy G. Perry College of Engineering Prairie View A&M University

The 2024–2029 Strategic Plan outlines the Roy G. Perry College of Engineering’s bold trajectory toward becoming a nationally recognized, research-intensive HBCU engineering college. Grounded in integrity, excellence, innovation, collaboration, and impact, the plan sets forth a mission to empower the next generation of engineers and computer scientists through transformative education, cutting-edge research, and strategic industry engagement.





Vision



To become a national leader among HBCUs in engineering education, research, and innovation—producing graduates who advance technology, address global challenges, and drive industry and societal impact.

Strategic Goals

MISSION STATEMENT

As a leading HBCU engineering college, the Roy G. Perry College of Engineering prepares future engineers through transformative education, innovative research, interdisciplinary collaboration, hands-on learning, and strategic industry engagement. We empower graduates to solve global challenges and drive meaningful impact across industry and society.



1. Strengthen Academic Excellence, Student Success, and Workforce Readiness



2. Expand Research Excellence and Interdisciplinary Collaboration to Achieve R1 Status



3. Strengthen Infrastructure, Industry, and Alumni Partnerships



4. Increase Enrollment and Strengthen PVAMU's Engineering Brand

Strategic Goal 1

1. Strengthen Academic Excellence,
Student Success, and Workforce
Readiness

Focus: Modernizing curriculum, enhancing career readiness, and deepening alumni/industry collaboration.

- Increase graduation rate to 60%.
- Achieve 90% job or grad placement within 6 months.
- Achieve 75% internship or experiential learning participation.
- Keep curriculum industry-relevant.



Strategic Goal 2

2. Expand Research Excellence and Interdisciplinary Collaboration to Achieve R1 Status

Focus: Boosting research output, funding, and interdisciplinary synergy

- Increase research funding to \$55M.
- Double research expenditures to \$18M.
- Grow graduate enrollment by 30%.
- Double Ph.D. enrollment.
- Produce 2 patents/startups per year.
- Expand impact through AI, microgrids, space, and environment centers.

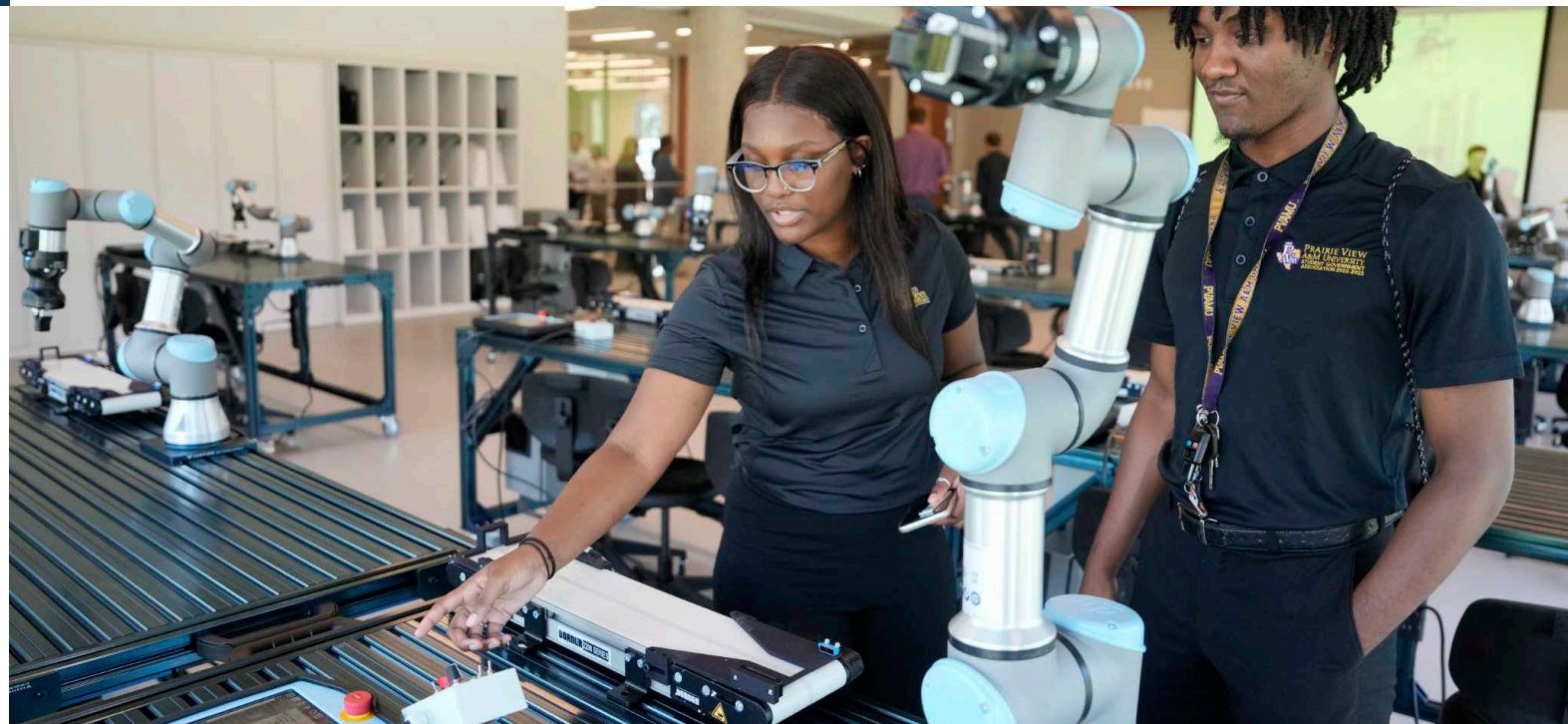


Strategic Goal 3

3. Strengthen Infrastructure, Industry, and Alumni Partnerships

Focus: Aligning facilities and partnerships with cutting-edge research and workforce needs.

- Secure \$3M in external corporate and alumni funding.
- Increase industry-sponsored projects by 40%.
- Expand alumni mentorship and workforce programs.
- Maximize new building and labs for research, collaboration, and interdisciplinary work.



Strategic Goal 4

4. Increase Enrollment and Strengthen PVAMU's Engineering Brand

Focus: Elevating the College's visibility and recruitment reach.

- Increase undergrad enrollment by 15% and graduate enrollment by 30%
- Improve faculty-to-student ratio from 19:1 to 18:1
- Launch digital marketing campaigns and strengthen high school/community college pipelines

