

# Roy G. Perry College of Engineering

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Dean and Professor



# ACADEMIC PROGRAMS

## **6 Bachelor of Science**

- Chemical Engineering
- Civil Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Mechanical Engineering

## **5 Graduate Degrees**

- Master of Science in Engineering with concentrations in Chemical, Civil, Environmental, and Mechanical Engineering.
- Master of Science in Computer Science
- Master of Science in Computer Information System
- Master of Science in Electrical Engineering
- PhD in Electrical Engineering

All undergraduate programs are ABET Accredited by the Accreditation Board for Engineering and Technology.

Prairie View A&M University is Regionally Accredited by the Southern Association of Colleges and Schools (SACs)

# Student Profile

- 71% African American (Undergraduate)
- 51% International (Graduate)
- 27% Females
- 84% Indigenous to the State of Texas

Recruit students nationally and Internationally

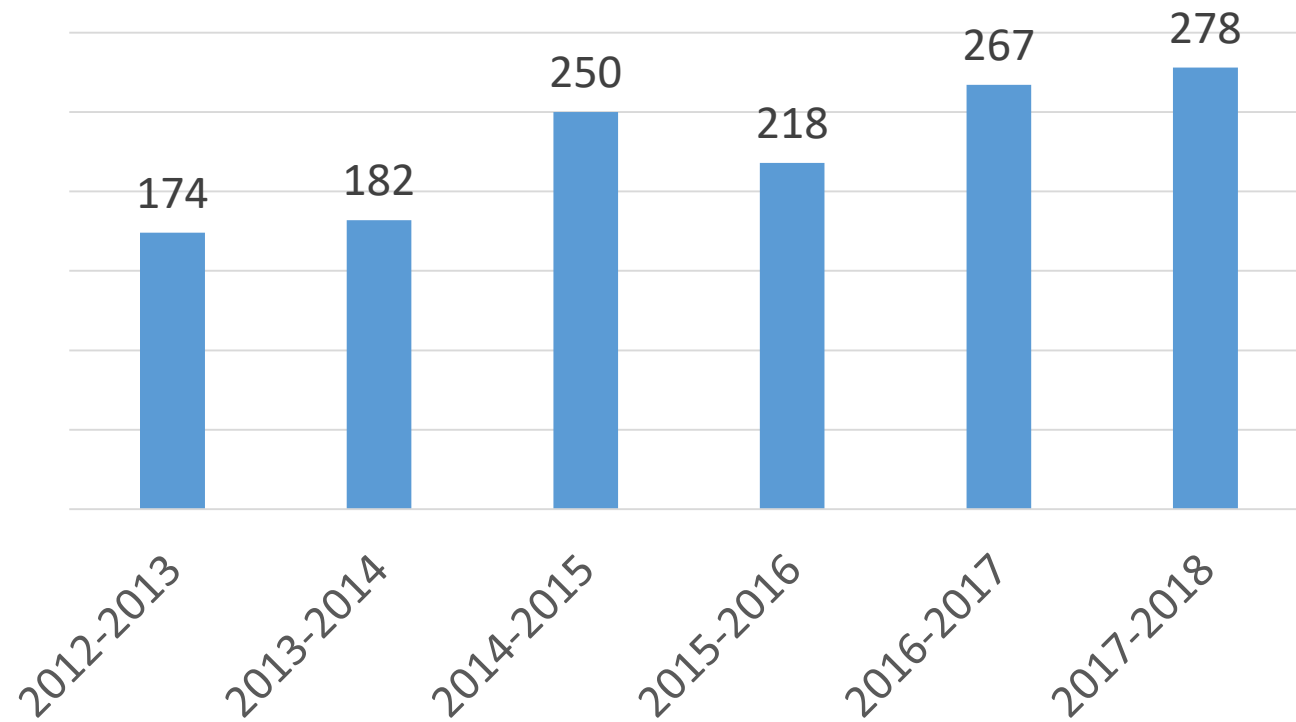
# Undergraduate Enrollment

	Fall 2016	Fall 2017	Fall 2018
Chemical Engr	307	281	246
Civil Engr	133	175	146
Electrical & Comp Engr	336	342	323
Computer Science	224	257	263
Mechanical Engr	544	539	513
<b>Total Undergraduates</b>	<b>1598</b>	<b>1634</b>	<b>1513</b>

# Graduate Enrollment

	<b>2016</b>	<b>2017</b>	<b>2018</b>
MS CS	186	209	210
MS CIS	38	48	53
MS ENGR	84	80	63
MS EE	48	47	30
PhD. EE	18	25	23
<b>Total</b>	<b>374</b>	<b>409</b>	<b>379</b>

# Degrees Awarded



# PVAMU National Rankings

- Ranked 3<sup>rd</sup> nationally in the number of ALL African American engineering graduates
- Ranked 3<sup>th</sup> nationally in the percentage of bachelor's degrees in engineering awarded to African American women
- Ranked 5<sup>th</sup> nationally in the number of master's degrees awarded to African Americans
- Ranked 1<sup>st</sup> in the state of Texas in the number of bachelor's degrees in engineering awarded to African Americans
- External funding for the College exceeded \$8M



# RESEARCH INITIATIVES AND CAPABILITIES

- 1) **Center of Excellence in Research and Education for Big Military Data Intelligence (CREDIT) \$5M AFRL**
- 2) **Center of Excellence for Cybersecurity (SECURE) \$5M CRI**
- 3) Smart Micro grid Advanced Research and Technology Center (SMART) - \$5M
- 4) Center for Computational Systems Biology - \$5M CRI
- 5) Center for Energy and Environmental Sustainability (CEES) - \$5M NSF
- 6) Center for High Pressure Combustion in Microgravity - \$3M NASA
- 7) Center for Radiation Engineering and Science for Space Exploration - \$5M NASA
- 8) Center of Excellence for Communication Systems Technology Research
- 9) Thermal Science Research Center
- 10) Future Aerospace Science and Technology
- 11) Texas Gulf Coast Environmental Data Center



# Summary

- The College enrolls more than 1,500 students; about 25% of them are graduate students.
- 85 faculty and researchers
- 11 outstanding research centers to support our students
- Housed in a six building engineering complex; 90,000 square feet including nearly 20,000 square feet of research and teaching laboratory space; equipment worth more than \$4,500,000
- New \$60M laboratory research building approved (2022)
- The College receives about \$8M funded projects annually from governmental agencies and private sectors

