

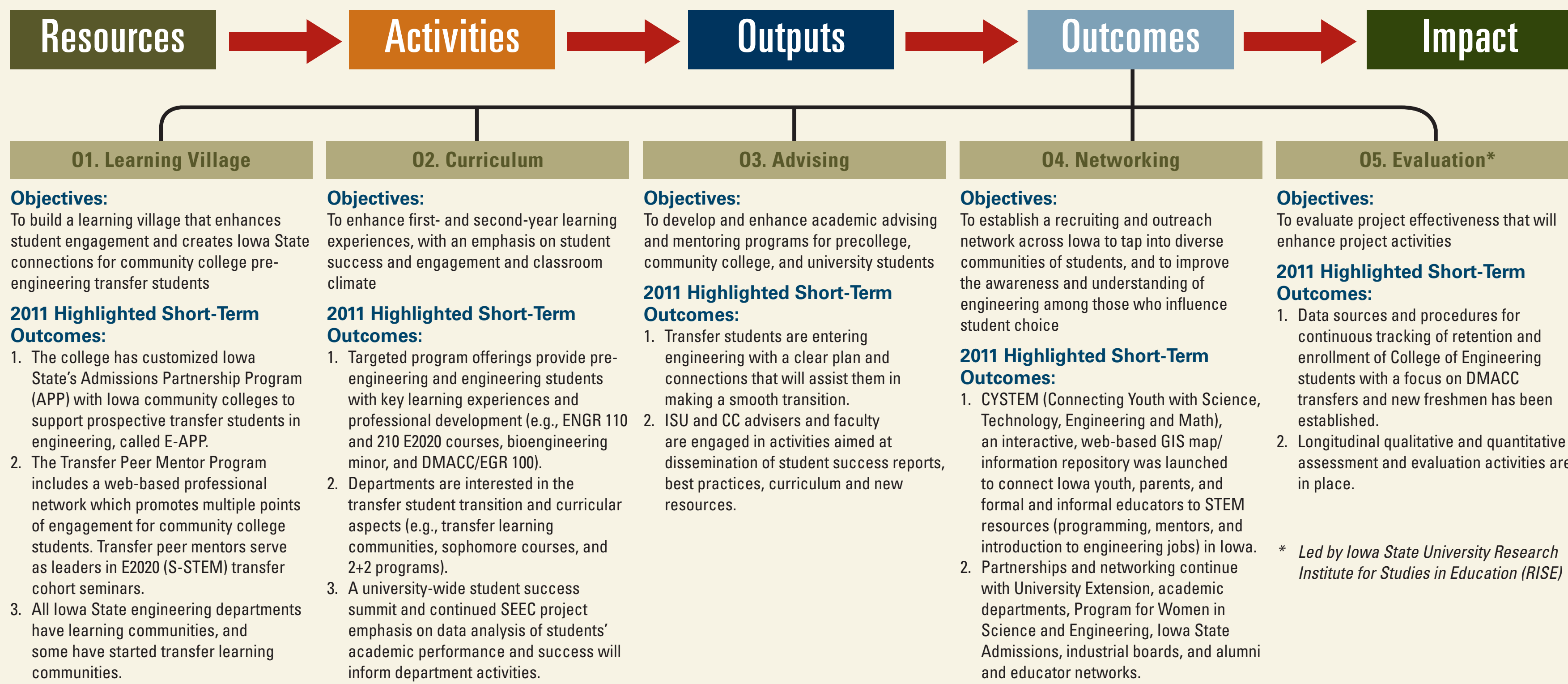
STEM Student Enrollment and Engagement through Connections

College of Engineering • College of Human Sciences • College of Liberal Arts and Sciences • www.eng.iastate.edu/seec

Project Goals

Increase the number of engineering graduates at Iowa State by 100 per year to approximately 900 graduates annually. Included with this goal are increases in the percentages of women and minority graduates in engineering at Iowa State and the number of pre-engineering students at Des Moines Area Community College.

Logic Model Planning



Opportunities

Continue to build a culture that embraces transfer student programming through professional and program development.

Leverage learning community best practices to retain students at the second- and third-year levels, ultimately contributing to higher graduation rates.

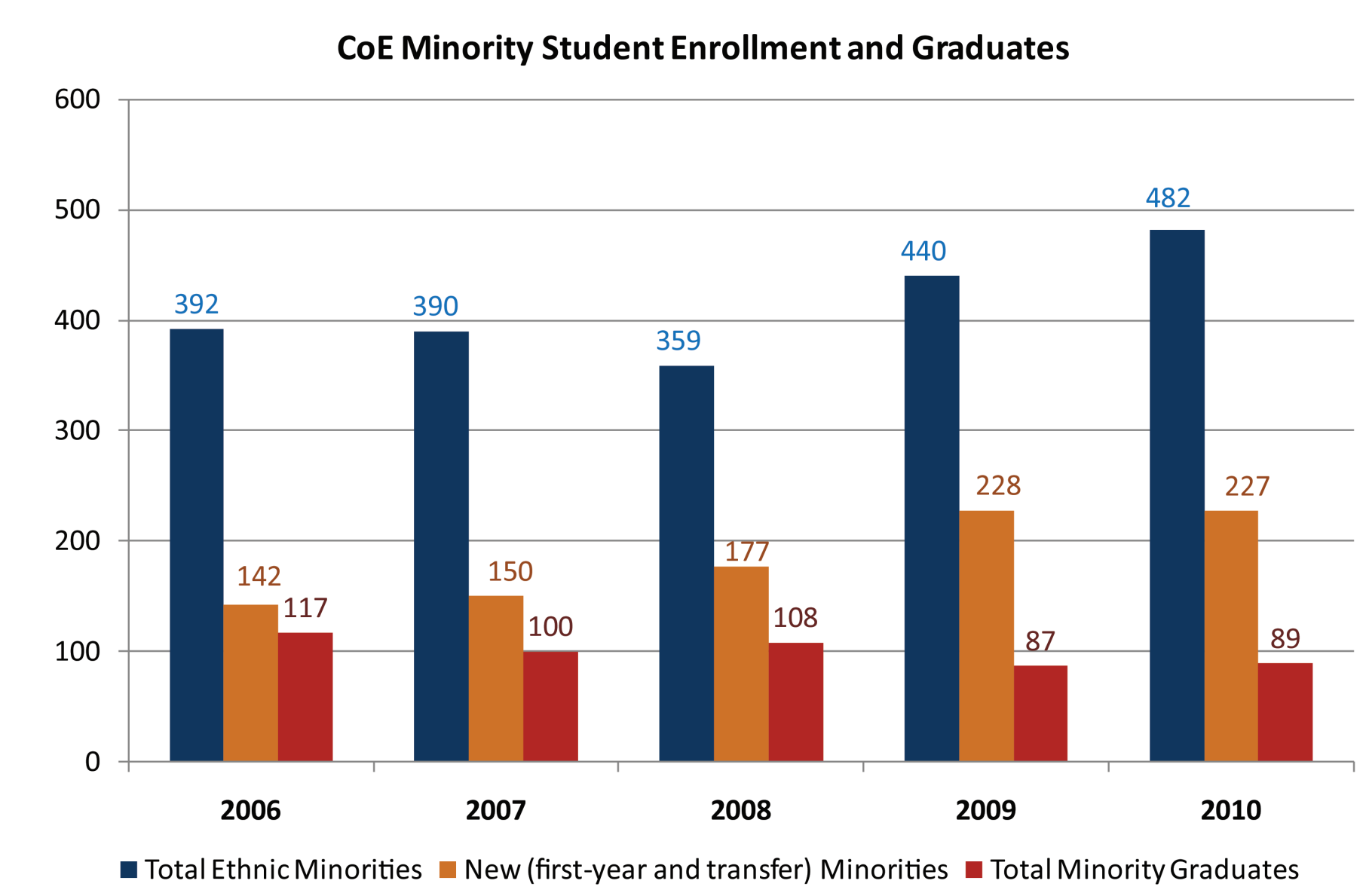
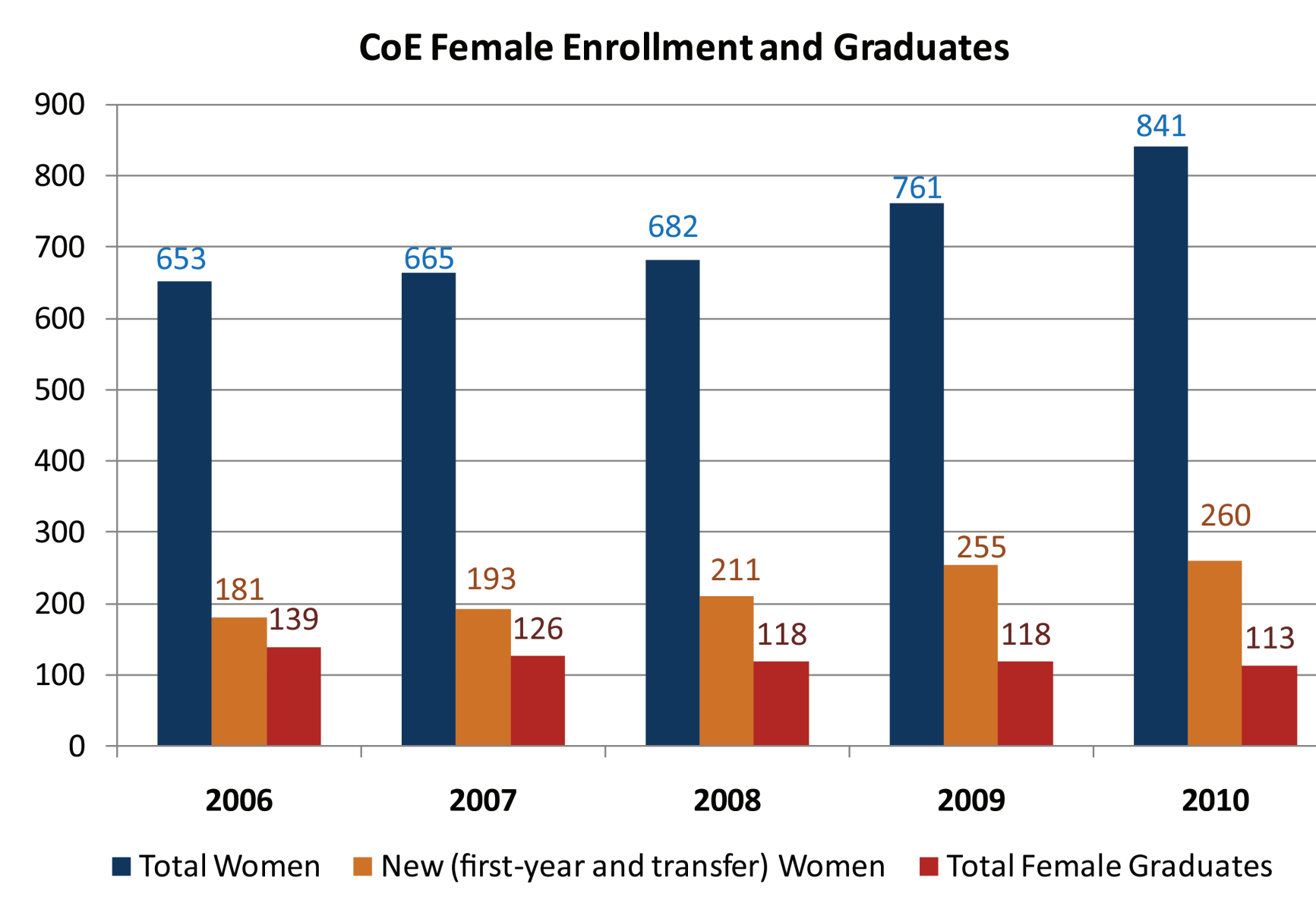
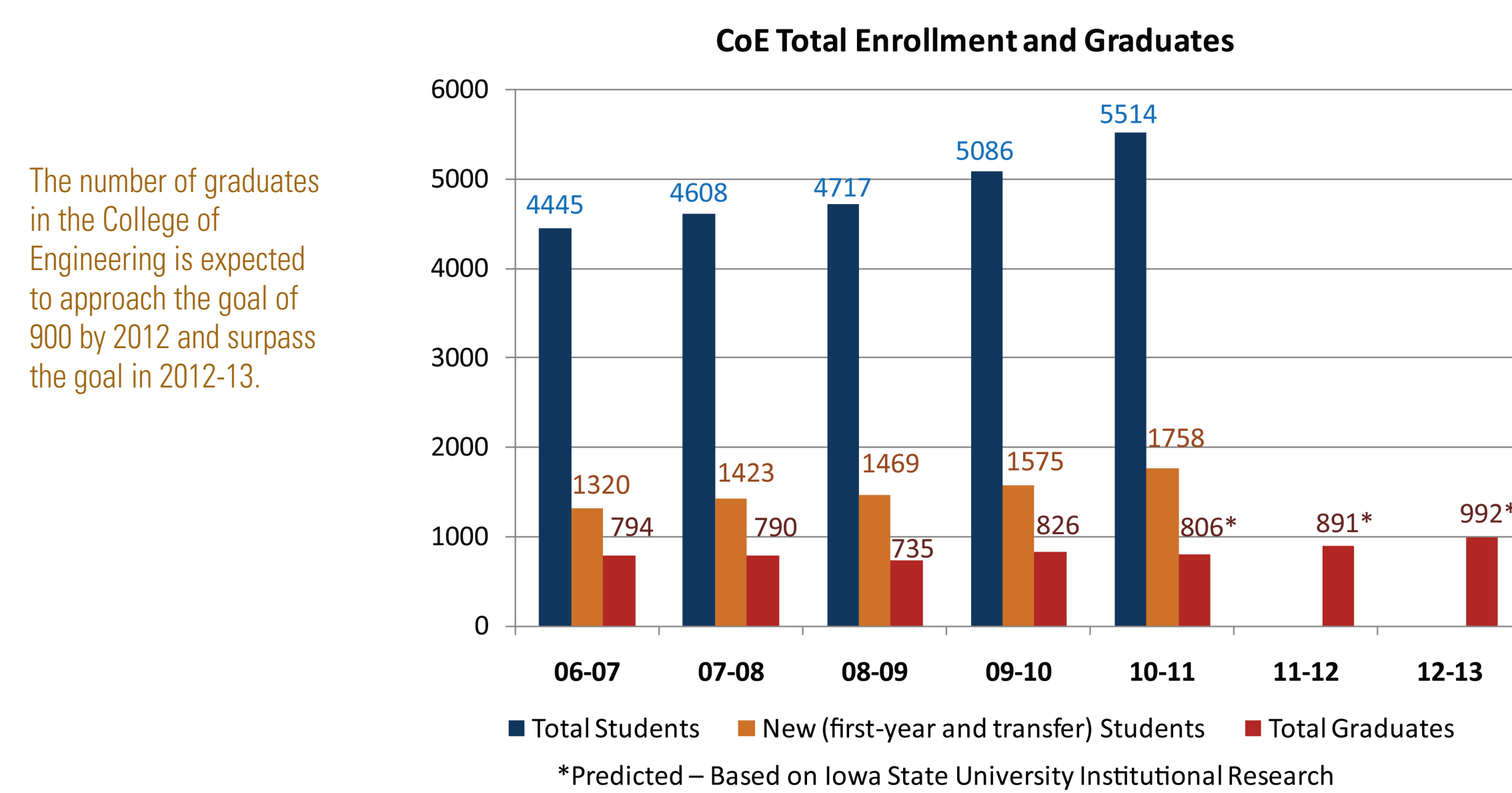
Use synergistic partnerships (e.g., with ISU Extension) to develop new resources and create interest in engineering study and careers.

Challenges

Recruiting and retaining women to make up 20% of engineering graduates.

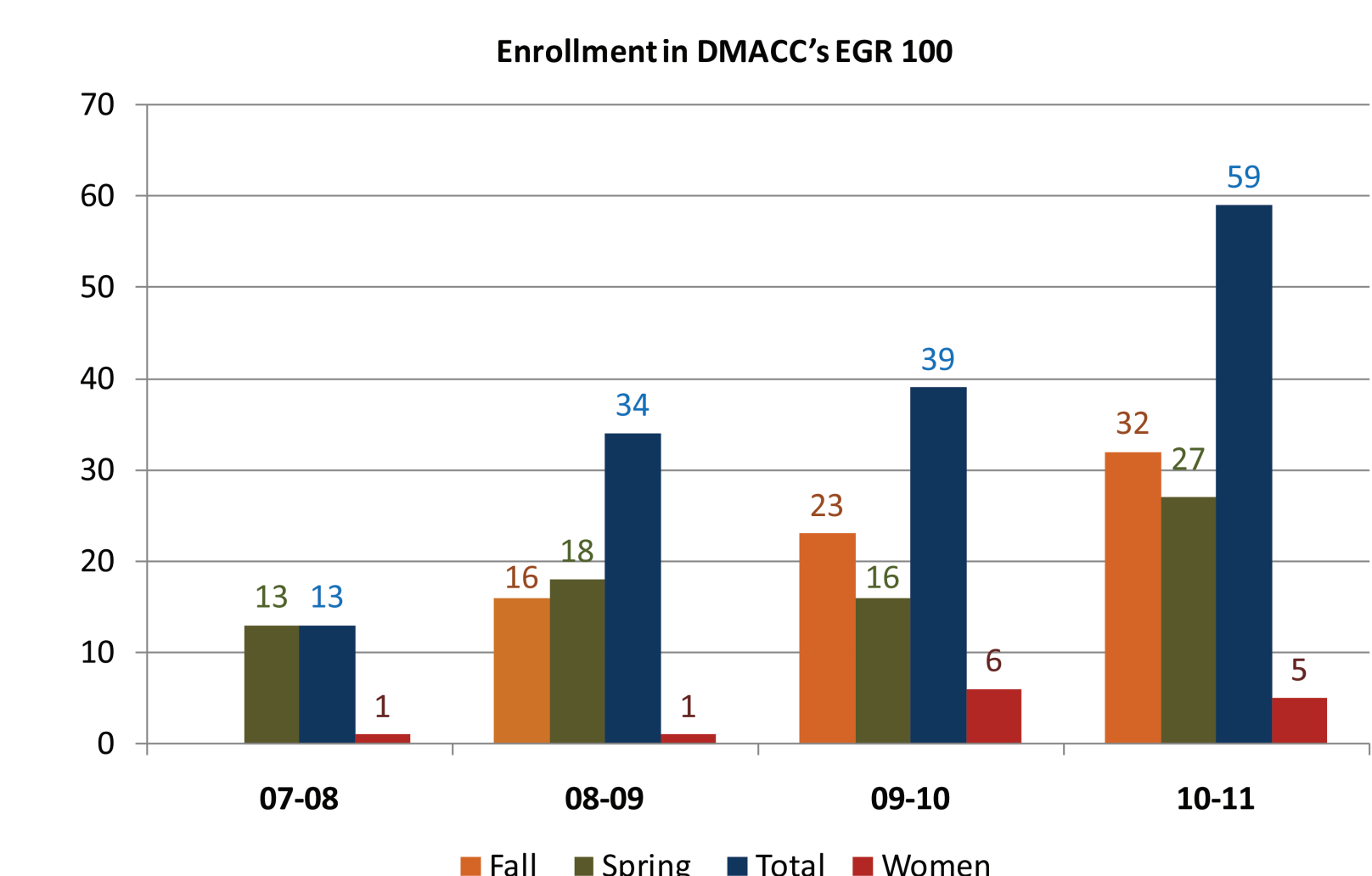
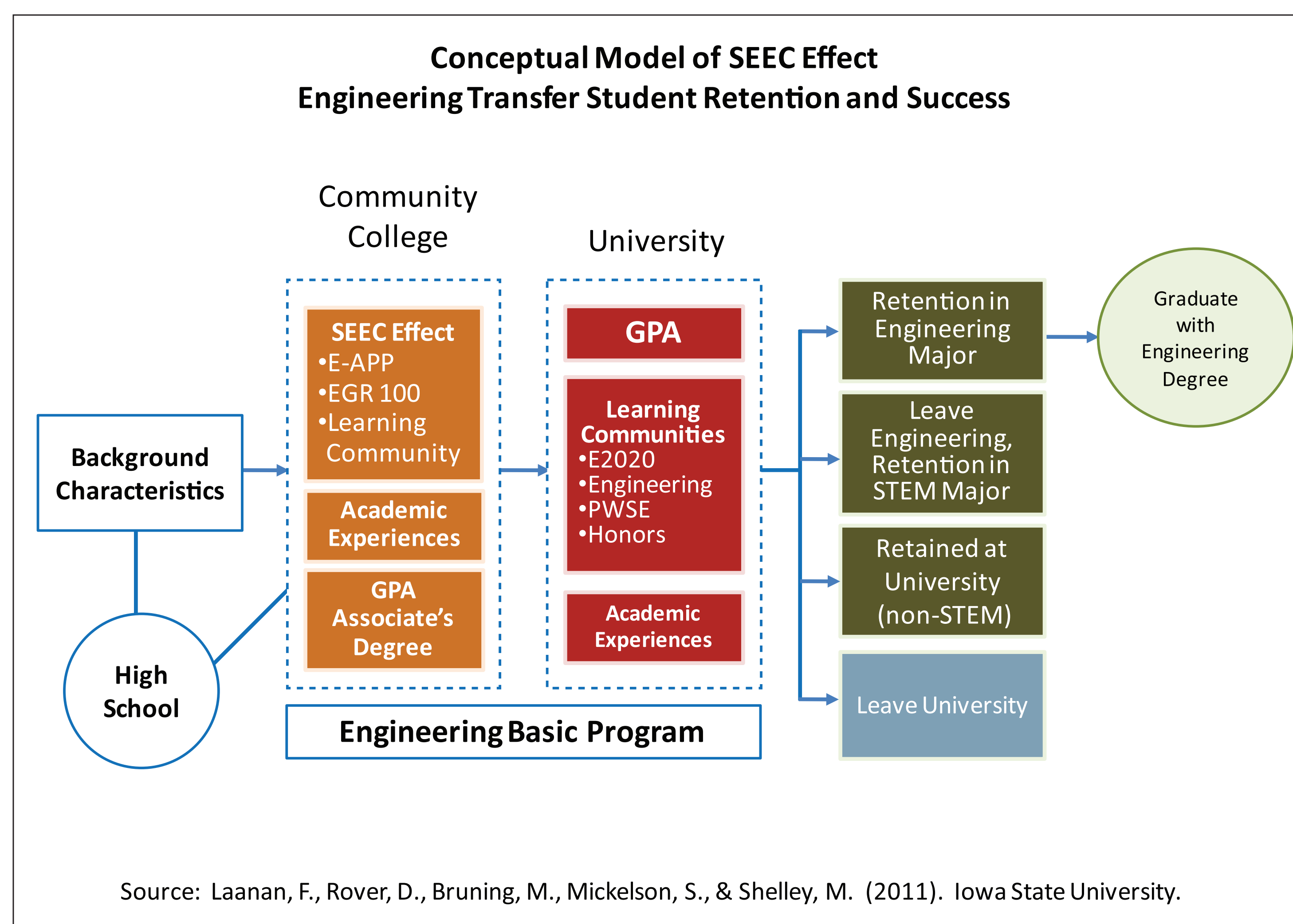
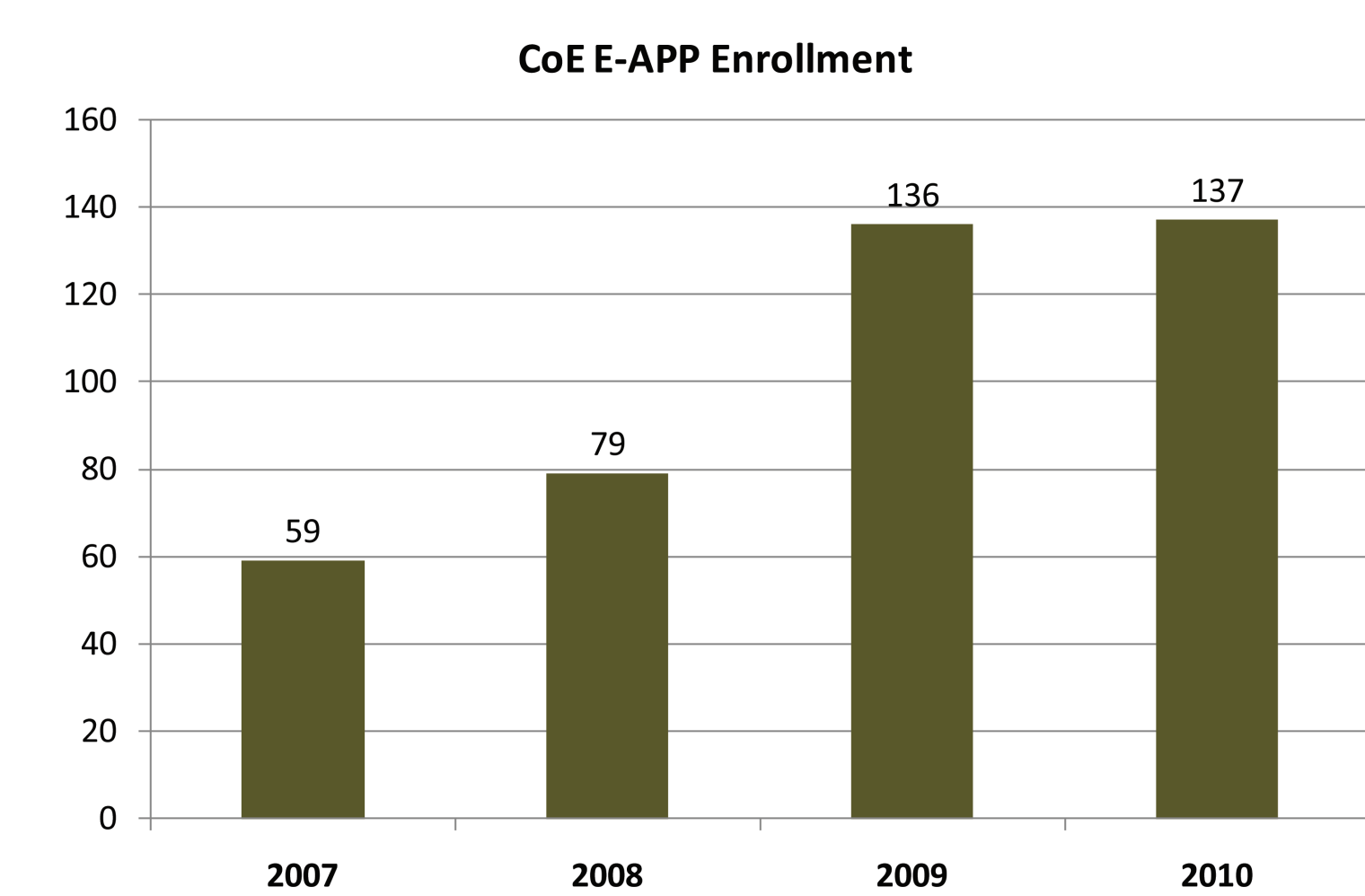
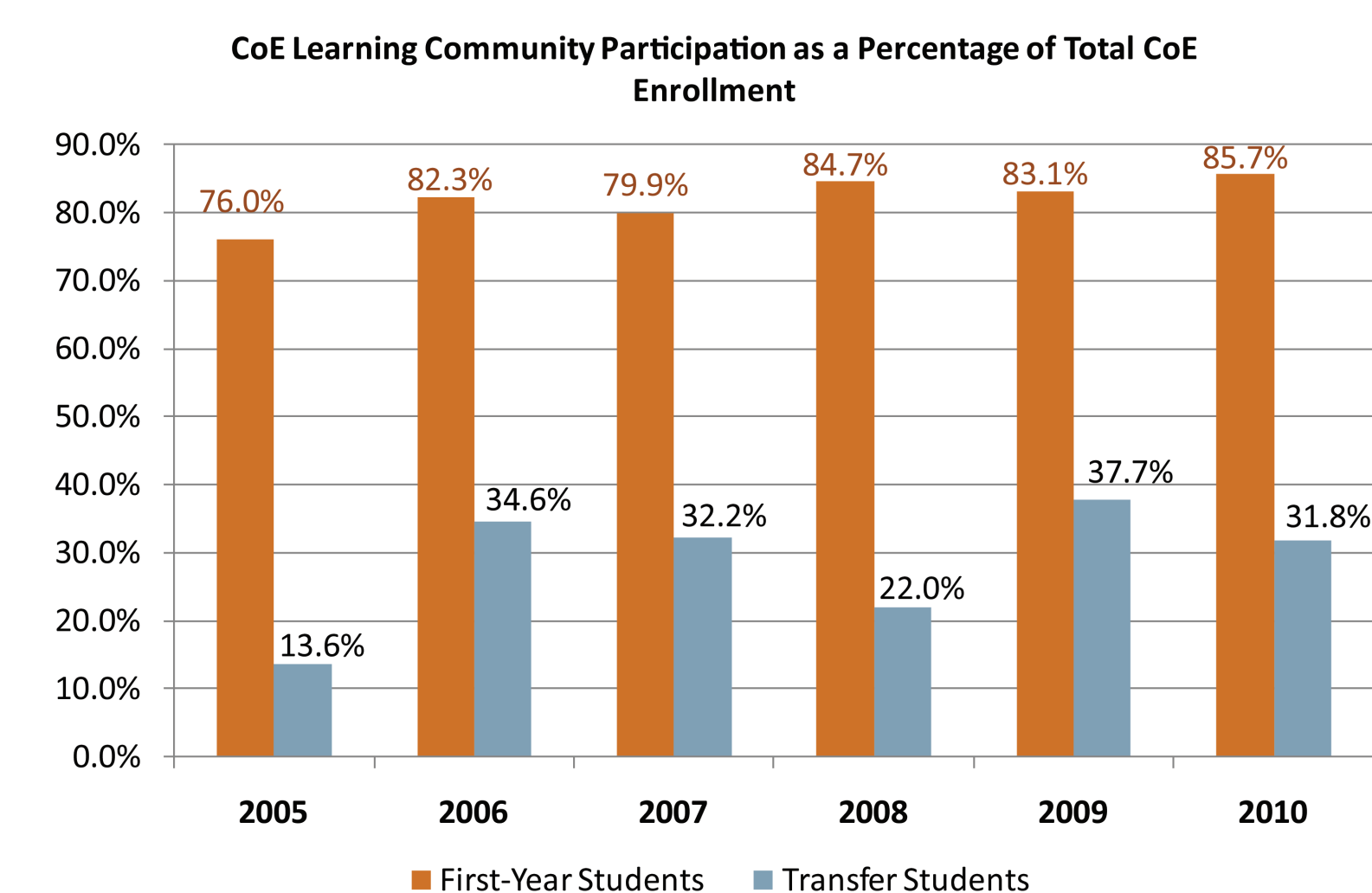
Measuring and documenting the SEEC Effect to improve and sustain effective practices and promote a culture of evidence.

Increasing the Number of Engineering Graduates



Project Successes

Measuring the "SEEC Effect"



Informing and Involving Institutional Stakeholders

- Three SEEC Data Briefs were created to share information collected and programs designed as a result of the SEEC project.

Collage of SEEC Data Briefs and newsletters including Engineering Orientation (EGR 100) and Engineering Admissions Partnership Program (E-APP).

Joint Meeting of the ISU/DMACC Internal Advisory Boards, May 11, 2010.

SEEC Team Members

- Principal Investigators: Diane Rover, Harry McMaken. Senior Personnel: Mary Darrow, Mani Mina, Derrick Rollins. Other Personnel: Virginia Anderson, Sandy Jennings-Hammond, Team Members: April Anderson, Ann Howsare, Paul Castleberry, Laura Leigh Chrystal, Laura Doering.

- Advisory Boards: ISU Institutional Advisory Board, DMACC Institutional Advisory Board, External Advisory Board. Robert Driggs: Dean of Mathematics & Science, Kirkwood College, Leigh Hagenson Thompson.

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