This fall, the highest increase in enrollment on campus occurred in the College of Engineering. We logged a remarkable 3,666 undergraduate students, up from 3,503 undergraduate students a year ago. Our graduate programs, also on the rise, showed master's degree students increasing from 292 to 310 and Ph.D. students growing from 164 to 175.

This says three things to me — the college is rapidly approaching the targeted number of 3,750 students essential to meet the state of Kansas’ requirements of the University Engineering Initiative Act by 2023. We are making strong strides as well toward the goal of increasing our graduate student numbers and, third, engineering is THE degree of choice in the 21st century.

With a college vision stating that by 2025, we will be recognized as one of the nation’s Top 50 Public Research Colleges of Engineering, in addition to President Schulz’ 2025 vision for the university to become a top-50 research university, it’s imperative we put quality programs into place and successfully implement them in order to reach these lofty goals.

You will see our progress towards that in these pages of Impact with stories on our new Academic Success Center — with mentors, advisers and training for academic and career success, as well as the Engineering Leadership and Innovation program — tying together coursework, corporate partnerships and leadership experiences from student-led teams.

Directly linked to these are articles about growth in our undergraduate research program, growth in our number of endowed faculty positions, growth in faculty numbers overall, and a growing excitement as each passing day bring us closer to “occupation” of the new Engineering Hall and all it will offer for every facet of the educational experience.

You’ll also read about our key partnerships with alumni and friends. By joining in the spirit of the university’s recently launched Innovation and Inspiration campaign, each is so very vital to every accomplishment and success story we have to tell.

It is THE time for involvement in engineering education. I could not be more proud to serve as dean.

— Darren Dawson, dean
NEW INITIATIVE HELPS ENGINEERING STUDENTS STAY ON TRACK

By Hayli Morrison

The College of Engineering’s new Academic Success Center at Kansas State University is lightening the way for student success now and in the future. For many first-year students, managing schedules, finances and academics can be very overwhelming. The goal of the Academic Success Center is to give students an individualized option with the mentors, advisors and training that will empower them to have a successful experience throughout college and beyond.

The Academic Success Center will provide academic advising for first-year and returning students to strengthen and improve upon their progress. The Academic Success Center will also give engineering students one-stop access to academic peer tutoring, mentoring programs designed to promote student success.

These initiatives will welcome, empower and encourage students to reach their fullest potential. Providing a sense of belonging will help students navigate the pressures of college life and earn their degree.

With group study stations, a student conference room and several multimedia flex rooms, the Academic Success Center will emphasize the skill of working in a team setting. The center’s Collaborative Learning Laboratory will serve as home to Scholars Assisting Scholars, or SAS, a program that hires upperclassmen to tutor peers while developing their own teaching and leadership skills. Hard-working sophomore, junior and senior SAS tutors will be paid to sit in on their assigned student’s course, see and hear the lecture, and then work with the student on their assignments and preparations for their exams.

“At K-State, they focus on providing a quality, personal education,” said Austin Green, a senior studying software engineering who has used Scholars Assisting Scholars during some of his more difficult college classes. “When I visited K-State, it felt like I had a name, and at other schools I felt like I was a number.”

That’s exactly the sort of compelling impression the college hopes to continue generating as it opens its 108,000-square-foot Phase IV addition in the next few months.

“Phase IV will provide a home for important initiatives like the Academic Success Center,” said Darren Dawson, dean of the College of Engineering. “It will create a welcoming, supportive environment for tomorrow’s engineering leaders to grow and thrive personally, academically and professionally.”

Ike Evans understands the life of a stressed college student. The 1965 electrical engineering graduate spent his time at Kansas State University balancing a demanding course load while playing on the varsity baseball team and working four part-time jobs.

“We didn’t have any money. It was really a challenge,” Evans said, recalling the time when he pitched a varsity baseball game, then wore his team uniform to his physics exam immediately following.

Now the retired CEO of Meritor, Evans reflects on his success with humility and acknowledges those who helped him along the way. He credits Letty, his wife of 52 years, as his best friend and teammate. In addition, a number of fellow engineering students “went out of their way” to help Evans academically and personally, and he always felt K-State faculty and leadership were personally invested in his achievements.

“To be honest, I don’t know if I would have been successful without them,” he said.

Three new faces have been welcomed to the offices of student services and retention, diversity and inclusion. They will be located in the recently renamed and refurbished Fiedler Learning Commons, a part of the newly launched Academic Success Center in the college.

Mary Vesper and Mackenzie Brown joined the college in June. Vesper is an Academic Success Center adviser who heads an academic mentoring program for improving students’ study skills.

Dringenberg joined the college in August 2015 and is the Academic Success Center coordinator, working with students, programs and activities of the center.

Evan’s new role will help students like him who show potential but just need a little help. That’s why the couple recently gave $1 million to support student development through the Academic Success Center in the College of Engineering.

The center will offer academic peer mentoring, academic advising, a first-year instructor, collaborative workspaces and career mentoring from K-State alumni.

“I was very fortunate that even though there wasn’t something like this at the time, it all came together for me,” he said. “We’re trying to help that process now for others. It’s for students who need a little encouragement to get them excited about the learning process.”

The Academic Success Center will debut in the college’s new Phase IV addition in early 2016. It is expected to increase student recruitment, retention and graduation rates.

“The tremendous generosity of Ike and Letty Evans speaks volumes to the importance of this program,” said Dean Darren Dawson.
The College of Engineering remains on track for reaching the goals of the University Engineering Initiative Act—to increase the number of engineering graduates by almost 60% in the state of Kansas over a 10-year period.

Under the direction of the Kansas Department of Commerce working with the Kansas Board of Regents and K State, KU and WSU, the plan targets engineering education efforts to fuel economic growth and business success in Kansas—adding approximately 600 new engineers into the workforce during that time span. Also within that time frame, the college will add more than 160 new graduates to its graduation class, the student body will grow by at least 750 students, faculty will expand by 35 positions and facilities will increase by more than 100,000 square feet.

FURNISHINGS BEGIN ARRIVING, BEING INSTALLED

Temporary fire wall in atrium comes down

CIS department begins to move from Nichols Hall
Recruiting office occupies new space
SAS program becomes fully operational in new collaborative learning lab space

INTERNAL OPEN HOUSE FOR FACULTY, STAFF AND STUDENTS

Major move of offices and faculty of ECE and CIS departments

FULL LOAD OF CLASSES BEGIN FOR SPRING SEMESTER
Design teams move into new spaces

Enrollment
Engineering grads
Faculty

Results by academic year

GREAT YEAR FACULTY NUMBERS DO NOT REFLECT AN ADDITIONAL, ONGOING 15 ACTIVE SEARCHES—FIVE RETIREMENT/REPLACEMENT AND 10 NEW POSITIONS AS YET UNFILLED.
Bartlett & West Inc. has been named the 2015 Company of the Year for its extensive support of the College of Engineering.

The College of Engineering Company of the Year is selected annually, based on demonstrated commitment to engineering education, as well as high standards and quality performance in the engineering profession. Bartlett & West engages with the college by financially investing in engineering students, facilities, programs and general excellence, while also hiring many interns from Kansas State University. "We really focus on a diversity of giving," said Keith Warta, president of Bartlett & West and a fourth-generation K-Stater who earned a civil engineering degree in 1984. "It's about supporting students, supporting faculty and then creating a lasting facility that will help many people into the future."

Bartlett & West, with nearly 500 employees, has engineering and technology offices across 10 states that emphasize community support in each local area. With an office location in Manhattan, the firm has supported Kansas State University for decades through corporate giving and through matching contributions to enhance gifts from individual Bartlett and West employees. "K-State engineering is very fortunate to have a corporate partnership with Bartlett & West," said Darren Dawson, dean of the College of Engineering. "They continuously strive to assist us in providing a quality education for our students."

With a reliable and efficient electrical grid operation critical to society, the electrical utility industry has undergone significant changes in the last decade due to technology trends, environmental drivers and weather patterns, changing public needs and regulatory requirements.


Novosel highlighted how the electrical grid has developed since the first electric power plant in New York in 1882, challenges and opportunities facing modern grids, and how industry trends and innovation will shape the future grid.

"The electrical power and energy industry in coming decades will be much different from what it is today in order to meet the demands of the society and address challenges," Novosel said. "We are at a crossroads in making business and technical decisions that will allow us to optimally and cost effectively manage the grid."

To read more about Novosel and the lecture, and to view the presentation online, go to http://www.engg.ksu.edu/ergp/lectures/nae/bios/novosel.html
LEADING THE WAY
ELI PROGRAM PREPS ENGINEERING GRADS FOR LEADERSHIP

In modern engineering practice, leadership skills are as crucial as technical skills — and not just in the executive suite. With the newly launched Engineering Leadership and Innovation, or ELI program, the College of Engineering will prepare K-State graduates to be tomorrow’s industry, government and educational leaders.

This unique, two-year undergraduate initiative will train junior- and senior-level students with the business acumen and team management skills required of contemporary leaders. Students will have the opportunity to take leadership and business classes, consult with industry mentors and practice leadership on a student-led engineering team.

PROVEN RESULTS
Launch is a new publication produced by the College of Engineering to document accomplishments of our student creative inquiry teams. Each year, more than 20 of these teams — a highly successful blend of undergraduate research and practice — compete in regional, national and international events.

While investment opportunities still remain for Engineering Leadership and Innovation, the College of Engineering is thankful for the following companies who help make this important program possible. Learn how you can invest by contacting engineering@found.ksu.edu or 785-532-7609.

LEADERSHIP DEVELOPMENT
Engineering Leadership and Innovation will leverage K-State’s strengths. Students will take courses at K-State’s Staley School of Leadership Studies and the College of Business Administration. It will empower this generation to lead well through formal training, active assignments and applied practice.

INDUSTRY MENTORS
Students selected for Engineering Leadership and Innovation will be among the most competitively recruited graduates in the workforce. Industry investment through individual mentoring and team collaboration will prepare students with the career advice, strengths assessments and growth opportunities vital to their success. The college will engage corporate partners who find it mutually beneficial to network with tomorrow’s leaders.

CREATIVE INQUIRY
Students will work with the college’s creative inquiry teams — such as quarter-scale tractor team, robotics team and others — all of which have an enduring record of national competition success. This provides a realistic setting for students to practice newly-learned leadership techniques, followed by a 360-degree evaluation of their leadership performance.
Private philanthropy honors engineering faculty

Kansas State University alumni often recall at least one faculty member who served as mentor, advisor and friend. Indeed, one outstanding professor can change the lives of students for generations to come. Private gifts are vital to recruiting and retaining such high-caliber professors. Endowed faculty chairs and professorships can fund new research exploration, graduate student support staff and professional travel. These gifts also lend professional credibility — someone considered the college faculty worthy of significant philanthropic investment, and these professors earned that honor.

Five new and three reappointed endowed positions have been named in 2015, bringing the total to 20 in the College of Engineering. New appointees include Charles Burton as the Martin K. Eby Distinguished Professor, Ray Yunk as the John W. and Dorothy M. Burke Architectural Engineering Chair, Mary Rezac as the Tim Taylor Chair in Chemical Engineering, Robert Peterman as the Mark H. Evans and Margaret H. Hulings Chair in Engineering, and Douglas McGregor as the Boyd D. Brainard Departmental Faculty Chair in Mechanical and Nuclear Engineering. Extensions were awarded to Mustaque Hossain as the Munger Professor and Laboratory-Scale Degerming Optimization. The following students were selected as winners of the spring 2015 forum:

- Eric Kerschen, senior in mechanical engineering, $300 first-place award for his poster, "Natural-Based Systems for Indoor Humidification." Kerschen’s research adviser is Melanie Derby, assistant professor of mechanical and nuclear engineering.
- Allison Sommer, junior in mechanical engineering, $200 second-place award for her poster, "Reducing Oxygen from Graphene Oxide by Unconventional Methods." Sommer’s research adviser is Gurpreet Singh, assistant professor of mechanical and nuclear engineering.
- Luke Snider, senior in biological systems engineering, $100 third-place award for his poster, "Corn Dry Milling and Laboratory-Scale Degerming Optimization." Snider’s research adviser is Lisa Wilken, assistant professor of biological and agricultural engineering.

The College of Engineering is pleased to introduce its newest endowed faculty, who represent the range of disciplines and professional areas:

- Robert Peterman, chemical engineering research adviser is Lisa Wilken, assistant professor of biological and agricultural engineering.
- Mohamed Hosni as the Charles and Andria Hoag Chair in Civil Engineering, Brad Kramer as the Ike and Letty Evans Engineering Chair, and Mohammad Hosni as the Charles and Andria Hoag Chair in Civil Engineering.
- Mustaque Hossain as the Munger Professor in Mechanical and Nuclear Engineering. Extensions were awarded to Mustaque Hossain as the Munger Professor, Mohammad Hosni as the Charles and Andria Hoag Chair in Civil Engineering, Brad Kramer as the Ike and Letty Evans Engineering Chair, and Mohammad Hosni as the Charles and Andria Hoag Chair in Civil Engineering.
- Margaret H. Hulings Chair in Engineering, and Douglas McGregor as the Boyd D. Brainard Departmental Faculty Chair in Mechanical and Nuclear Engineering. Extensions were awarded to Mustaque Hossain as the Munger Professor and Laboratory-Scale Degerming Optimization. The following students were selected as winners of the spring 2015 forum:

- Eric Kerschen, senior in mechanical engineering, $300 first-place award for his poster, "Natural-Based Systems for Indoor Humidification." Kerschen’s research adviser is Melanie Derby, assistant professor of mechanical and nuclear engineering.
- Allison Sommer, junior in mechanical engineering, $200 second-place award for her poster, "Reducing Oxygen from Graphene Oxide by Unconventional Methods." Sommer’s research adviser is Gurpreet Singh, assistant professor of mechanical and nuclear engineering.
- Luke Snider, senior in biological systems engineering, $100 third-place award for his poster, "Corn Dry Milling and Laboratory-Scale Degerming Optimization." Snider’s research adviser is Lisa Wilken, assistant professor of biological and agricultural engineering.
The Seaton Society awards lifetime membership to its founders, those who have made a commitment in excess of $100,000 to engineering education. Initiatives supported by these funds include the following:

• special projects and professional development for faculty and students
• discretionary gifts to the dean or department heads
• scholarships to recruit new students, recognize academic excellence and retain those with financial need
• student leadership organizations and activities
• student participation in competitions and leadership opportunities
• special projects and professional development for faculty

Founders
The Seaton Society awards lifetime membership to its founders, those who have made a commitment in excess of $100,000 to engineering education as of FY 2014-2015.

Ray and Katie Aden
Terry and Arlene Almberg
Betty Allen
Jim and Betty Allen
John Albertson
Enda Barnett
Tom Barrett
Sue Barrier and Bill Rumas
Mary Ruth Bedford
Alan and Karen Bell
Walt Belbom
Walter Betzner
Larry and Myra Bennion
Steve and Deborah Berland
Ann Bevold
Bill and William Barlow
Jim and Talya Bledle
Jerry and Barbara Breitner
Naduaz Neo and Larry Nutt
Thomas and Uno Bohn
Mark Brown and Joan Russell
David and Pat Britton
Frank and Elizabeth Bruce
Chuck and Linda Burton
Gene Carter and Rocio Rodriguez

Innovation Collaboration Leadership Education Entrepreneurship Research Scholarly Economic Global Excellence Technology Discovery

Kansas State University College of Engineering IMPACT Fall 2015

Founders

Gene Carter and Rita Rodriguez
David and Pat Britton
Thomas and Una Bowman
Nadalie Bosse and Larry Nettles
Jim and Twila Blakely
Bill and Phyllis Binford
Larry and Judy Bennington
Walter Belter
Alan and Karen Bell

Dennis and Andrea Rottinghaus
Dennis and Melanie Rietz
Dean and Nancy Kays
Rich and Kenneth Krennchen
Steve and Linnea Kirkhoff
Dave and Eileen Knupp
Sam and Mary Kroetz
Donna Kothevitz and Mark Larson
Thuyne and Lena Kraus
Linda Lee and Joe Moffett
Don Lembert
Alan and Jan Levin
Ken and Lin Levin
TID and Tina Levin
Sam and Martha Logan
Harold Linsinger
Scott and Karin Love
Pau and Janet Lu
Mike and Cindy Manley
Dean and Lewa Hornton
Larry Loder
Michelle Manseau and Serban Senu
Jim and Jan Murray
Mary and Mary-Ann Hunsperger
Wayne and Barbara Harrs
Lucie Hawkins
Dundee Henshaw
Chris and Kimberly Hess
Kim and Deanne Honninghelm
Darrin and Nancy Helton
Hud and Bill Huddleston
Mark Hulley
Cheryl M. Donaldson
Jan and Sherry Strowaway
Loring and Kathryn Duff
Cindy Dutton
Tennent and Peggy Dunn
Charles and Jan Byly
Gary and Peggy Edwards
Lauren and Laurel Erickson
Ike and Letty Evans
Judith Fain and Robert Reay
Jim and Lisa Garrison

The Society

In the spirit of the legacy of Roy Andrew Seaton, the long-serving dean in the history of Kansas State University College of Engineering, the Seaton Society was established in 1999 to recognize donors who provide significant annual gifts to support the College of Engineering.

The impact of Seaton Society donors is seen in every aspect of the college as it moves forward in excellence of engineering education. Initiatives supported by these funds include:

• discretionary gifts to the dean or department heads
• scholarships to recruit new students, recognize academic excellence and retain those with financial need
• student leadership organizations and activities
• student participation in competitions and leadership opportunities
• special projects and professional development for faculty

Membership Levels and Benefits
Membership in the Seaton Society recognizes all who contributed $1,000 or more between July 1, 2014, and June 30, 2015, to any area within the College of Engineering. Corporate gifts that match employee contributions are counted.

Donors may renew their membership each year by making a gift at one of the annual levels. The exception is the Founder Level; these donors, at the dean’s invitation, receive lifetime membership for their extraordinary support of the vision and mission of the college.

Founder: $1,000,000+
Director: $10,000+
Executive: $5,000 to $9,999.99
Partner: $2,500 to $4,999.99
Leader: $1,000 to $2,499.99
Members are invited to attend the annual Seaton Society Banquet, are listed in both Impact and the annual report, and are included in periodic area/regional events and campus activities.

Call back on line at next page
Every effort has been made to produce a comprehensive listing of donors for the calendar year July 1, 2014, to June 30, 2015. We apologize for any incorrect listings, misspellings or omissions, and extend our sincere thanks for your support. Questions about the donor list should be directed to Brett Larson, Senior Director of Development, College of Engineering, Kansas State University.
DEATHS

1949  Charles L. Snell (EE), Wheaton, Illinois, died June 6, 2015. He was employed by Line Material Corporation, and when he retired in 1988 was a senior apparatus engineer supporting 15 sales engineers in 13 Midwestern states. He is survived by his wife of 68 years, Jane, one daughter, four sons and eight grandchildren.

1956  John Dollar (EE, M.S. ’56), Manhattan, Kansas, died July 18, 2015. He was a professor at Kansas State University in the electrical engineering department; served as assistant dean of engineering at K-State; and served as dean of arts and sciences, dean of business administration and dean of engineering technology at the K-State Salina campus. He is survived by his wife, Diane, one daughter, one son and one grandchild.

1958  Lawrence “Larry” E. Meyer (EE), Peoria, Arizona, died Sept. 30, 2015. He began his career at Wagner Electric in St. Louis, and then worked at Boeing in the Seattle area for more than 20 years, after which he retired and moved to the Phoenix area. He is survived by his wife, Marcia, and two daughters.

1961  N. Dean Eckhoff (NE, M.S. ’63, Ph.D. ’68), Wichita, Kansas, died Sept. 3, 2015. After completing his doctorate, he joined the K-State faculty of nuclear engineering, later being named department head, a position he held until his retirement in 2002. He is survived by his wife, Eulonda, one son, one daughter and two grandchildren.

Faculty  Ross I. Paul, Manhattan, Kansas, died Aug. 7, 2015. He had retired from the mechanical engineering department at Kansas State University in 1983 after being on the faculty for 36 years. He is survived by two sons, one daughter, four grandchildren and four great-grandchildren.

1969  William H. “Bill” Maxwell (EE, M.S. ’73), Raleigh, North Carolina, recently retired from the U.S. Environmental Protection Agency after more than 29 years of service.

1983  Mitch Snyder (EE), Ft. Worth, Texas, has been named president and CEO of Bell Helicopter. He joined the company in 2004, and has held several leadership positions, serving most recently as executive vice president of military business. Snyder is the 2015 College of Engineering Alumni Fellow.

1984  Tim Austin (CE), Wichita, Kansas, was installed as president of the National Society of Engineers at the group’s 2015 annual conference in July in Seattle. He is a project manager for Kav Kaw Engineering in Wichita and a licensed professional engineer.

1994  Anita Ranhotra (MSME, MEM ’91), Lenexa, Kansas, received the award of 2015 Fellow from the Institute of Industrial Engineers.

2004  Bryan Meyer (ME), Shawnee, Kansas, has joined Shook, Hardy and Bacon, LLP, Kansas City, Missouri, as a patent attorney. He prepares and prosecutes U.S. and international patent applications for businesses and inventors worldwide.

2007  Michael Panetheree (EE, M.S.), Olathe, Kansas, joined the engineering faculty at the University of Kansas as a professor of practice in the department of civil, environmental and architectural engineering, teaching electrical power systems engineering and construction management courses. He has worked as a consulting engineer in building power systems design for more than 30 years, and has served as a professor and director of research programs, recruitment, scholarship programs, diversity and inclusion programs, computing services, and assurance with compliance and accreditation requirements and processes.

Most recently, Clark had served as interim dean of engineering from May 2013 to July 2014 while the college conducted a nationwide search for a new dean.

He joined the College of Engineering faculty in 1994 as an associate professor of biological and agricultural engineering, was promoted to full professor in 1997 and was named to header the department in 2005.

Clark earned both a bachelor’s and master’s degree at the University of Florida, and a Ph.D. from Texas A&M University, all in agricultural engineering.

LEADERSHIP CHANGES FOR ENGINEERING DEVELOPMENT TEAM

Lori Rogge, senior director of development for the College of Engineering, resigned her position in October in order to pursue family business interests. She joined the college in 2011, leading the formulation and implementation of plans in support of individual and corporate philanthropy.

“Lori has worked tirelessly in support of our college,” said Darren Dawson, dean of the College of Engineering. “She has led our development team in record-breaking financial giving during the past four years. Alumni, friends, colleagues and the university community as a whole will miss Lori’s energy, enthusiasm and professionalism.”

Replacing Rogge in the role of senior director of development will be Brett Larson, who had previously served as director of development. A part of the College of Engineering team since 2012, Larson had been in charge of oversight, expansion and execution of annual fundraising strategies.

“I have no doubt Brett will step in and continue to lead the college on its successful trajectory of providing resources for our faculty, staff and students. He will continue a donor-centered approach that builds strong relationships with our alumni, friends and corporate partners,” Dawson said.