Jerseyville

ACCESS RANKEN THREE LOCATIONS ONE MISSION

RANKEN

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2015-16 Annual Report

Edwardsville



Fairview Heights

RA

St. Louis

Perryville

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Ranken Technical College Announces New Satellite Location in Perryville, Mo. on June 13, 2016

"Perryville, we are proud to be opening another location in your community and look forward to working with local and regional leaders to address the skills gap in southeastern Missouri!"

- Stan H. Shoun, President



ON THE COVER:

Ranken Technical College is enhancing access with three regional locations in Missouri – Wentzville, St. Louis and Perryville.

LETTER FROM THE **PRESIDENT** & CHAIRMAN

t Ranken Technical College, we're all about improving accessibility. As part of a longterm strategic initiative, we are focused on expanding access to our programs. In just a few months, we will debut a new

satellite educational facility in Perryville, Mo., the second satellite location we've opened in just three years. Our first, in Wentzville, Mo., has grown from 50 students in the first semester to 250 students this year.

In Perryville this past June, we had a spectacular welcome from regional businesses that are eager for skilled workers to be trained locally. Several have signed on as training partners and we anticipate enrolling the first students by summer 2017.

Why the strong push for accessibility? There is a growing skills gap in the United States leaving many technical jobs unfilled. For every position that requires a four-year degree, there are three open technical positions. Over the next five years, it's estimated that 40% of the technical workforce will retire. Companies with skilled jobs available, including businesses around Perryville, have no one applying for those positions.

We're being proactive to build up the technical workforce by reducing tuition costs 15% over the next five years. We've also increased the number of student scholarships available since 90% of our students receive some form of financial aid.

In this year's annual report, we showcase our efforts to improve accessibility and affordability and invite you to read about these exciting initiatives.

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Stan H. Shoun President



Edward Lillow

Edward L. Monser, IV Chairman of the Board

MORE LOCATIONS

Warrenton Wentzville_O'Fallon St Charles Flor

OPENING THE DOORS OF OPPORTUNITY WHILE CLOSING THE SKILLS GAP

Chesterfield

his summer, Ranken announced plans to open a new satellite educational facility in Perryville, Mo., by 2017. It's the second satellite location announced in just over three years. The first, in Wentzville, Mo., opened in 2013 and now has more than 250 students. Classes are in high demand, students are hired before or as soon as they graduate, and more than 20 manufacturers in the region now partner with Ranken Wentzville to offer paid internships as students cycle between hands-on classwork and onsite job training.

In Perryville, businesses want to see the same success. "Perryville is short on one commodity – labor. If we can find a way to hold more local people in the area, we'll be so much better economically," says Don Welge, President of Gilster-Mary Lee.

Ranken's strategic plan is to bring its integrated workbased learning programs closer to industries that need skilled workers and into communities that are eager to increase job training opportunities for their residents. The College works directly with local businesses to tailor its programs to address regional job demands and sets up hands-on internships where students get paid to train.

"Perryville is short on one commodity – labor. If we can find a way to hold more local people in the area, we'll be so much better economically."

"This is a true partnership," says Scott Sattler, Executive Director of the Perry County Economic Development Authority. "To stay competitive, draw new industries to town, and to support the businesses that are here, we need to offer technical training opportunities. Ranken does that and we're glad they're coming to Perryville."

The vision that Ranken has to expand its locations addresses a growing skills gap in the United States. With too few people trained to fill the demand for technical workers, Ranken's answer is to make itself more accessible by moving its proven training programs closer to where jobs are plentiful. It's a win-win for both students and industries surrounding each site.

Says Fred Ducharme, Senior General Manager of TG Missouri Corporation in Perryville, "The impact this will have in our community will be noticed exponentially."

Davisv



Stuart Ruehling (left) is a 1992 Ranken graduate and President of River Hills Tool and Die and Indian Creek Shooting Systems in Frohna, Mo.

"I can't find a machinist locally. When community leaders started talking about the skills gap, Ranken came up," Ruehling says. *"I can't wait until they open their doors here."*



Stan Shoun (center), President of Ranken Technical College, is pictured signing the Memorandum of Understanding on September 21, 2016, along with Todd Huber (left), President of TG Missouri and Kim Moore, President of the Board of Directors of the Perry County Economic Development Authority.

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MORE LOCATIONS

Republic MONITOR

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TO BEGIN CLASSES IN JANUARY

Republic MONITOR

Boy Scouts conduct flag

ceremony

Tourism group

receives grant

Ranken Perryville Opening 2017

Perryville, Mo.

Focus Areas

- Industrial Engineering Technology
- Transportation Logistics Technology
- **Construction Technology**

Initial Industry Partners

- Gilster-Mary Lee
- TG Missouri Corporation
- **Robinson Construction**
- River Hills Tool and Die

Ranken Wentzville Opened Spring 2013

Wentzville, Mo.

Focus Areas

- Advanced Manufacturing Technology
- Automotive Maintenance Technology
- Building Systems Engineering Technology
- **Diesel Technology**
- Information Technology •
- Bachelor's Degree in Applied Management

Industry Partners

- 20+ Manufacturers for Advanced Manufacturing
- Multiple Transportation and Freight Companies



sections in Wentzville, Mo., this past year because of the high demand for graduates.

RANKEN TECHNICAL COLLEGE IS HOLDING THE LINE ON COSTS

ne of the biggest stumbling blocks to obtaining a college degree is cost. In a concerted effort to make college more affordable, Ranken has taken a number of tangible steps to reduce the financial burden on its students.

Beginning five years ago, overall student costs, including the cost of books and supplies, were reduced. For the past two years, we've held tuition costs at 2013-2014 rates. We also increased the number of oncampus paid work opportunities through our innovative microenterprises, enabling more students to earn money while going to college. Now, in a bold initiative, we are reducing student costs even further. Beginning with the 2016-2017 academic year, we are lowering the cost of tuition by 3% annually over the next five years, resulting in a 15% total tuition reduction.

Our Commitment: 15% Tuition Reduction Over Five Years

"With less of a financial burden and with scholarships, I am able to concentrate on my education, which will prepare me for my future. This has greatly made a difference in my life."

Frank Klunk

Carpentry and Building Construction Technology Student Recipient, Alumni Association Scholarship

RANKEN

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ACCESS RANKEN CAMPAIGN

s an accredited, not-for-profit technical college, Ranken uses the bulk of its financial resources directly for programs and services designed to recruit, support and train students for the job demands of today – and tomorrow. This year, we are launching a five-year, \$15 million fundraising initiative to help students take advantage of our education and training programs. The Access Ranken Campaign enables us to:

INCREASE Scholarships and Financial Aid (Goal: \$10.5 million)

• Ranken awarded more than \$2.3 million in scholarships and financial aid to its students last year. We want to increase the number of needs-based scholarships awarded as well as strengthen the College's endowment for long-term sustainability of scholarships.

SUSTAIN and Broaden STEM Career Exploration Programs (Goal: \$3 million)

• Ranken builds awareness, enthusiasm and pursuit of technical careers through its popular STEM outreach programs for teachers as well as for middle school and high school students. *See our STEM FOCUS report beginning on page 11.*

INVEST in Equipment and Technology (Goal: \$1.5 million)

- State-of-the-art technology will ensure that our students are workforce-ready.
- In 2015-2016, Ranken invested in new equipment and tools for its rapidly expanding Diesel Technology and Advanced Manufacturing programs in Wentzville as well as its Automotive Technology programs in St. Louis.

"One day I hope to be a Network Engineer. Ranken has provided me with all of the resources necessary so that I might thrive and has made sure that I work hard to achieve success. Going to college here has been all that I expected – and more."

Corey Cornelius Information Technology Student Recipient, President's Scholarship, Strippgen Education Foundation Scholarship

> STUDENT AMBASSADDI



REAL WORLD SKILLS + TRAINING = **SUCCESS!**

anken offers real-work experiences for students through **two innovative skilled training models**. These pathways are designed to provide students with the right skills and training they need to secure a job and advance their careers:

Integrated Work-Based Learning

Many Ranken students rotate every eight weeks through hands-on classroom training and paid on-the-job internships. More than 70 businesses in the region now serve as training partners in Ranken's Automotive and Advanced Manufacturing programs.

Microenterprises

Ranken has taken the business partnership concept further by hosting and running mini-businesses and production lines on campus. These microenterprises offer **easily accessible, paid jobs** so that students can learn in real work settings and earn money while going to school.

New on-campus business partnerships:

• GWR Safety Systems

Established March 2016. Founded by a formula car racer and known throughout Europe for its high-performance racing, automotive and aviation safety restraint systems, GWR opened its North American manufacturing headquarters in St. Louis in 2011. It now has established its first North American training facility at Ranken, where students will help manufacture seat belt and racing harnesses.

• Enterprise Fleet Management Call Center

Established December 2015. In the first on-location business partnership at its Wentzville facility, Ranken is partnering with Enterprise to staff a fleet management call center. Ranken also is one of only a handful of colleges in the United States to offer NAFA Fleet Management Association-certified courses.

JEMA

Established November 2015. St. Louis-based architectural design company JEMA is the first company in Ranken's Architectural Technology Microenterprise. Working with a Ranken student, JEMA guided the construction of a scale model of a proposed new fire station and city hall expansion for the City of Glendale.

Architectural model of proposed Glendale fire station and city hall expansion:

"The student we partnered with was eager to learn, excited to be working with us on a real project, and very attentive to detail. This Architectural Technology partnership is a success and a win all around, benefiting our firm, expanding what Ranken offers, and providing real-world, hands-on professional experience for students."

-Steve Hoover, RA, LEED AP BD+C Architect, JEMA



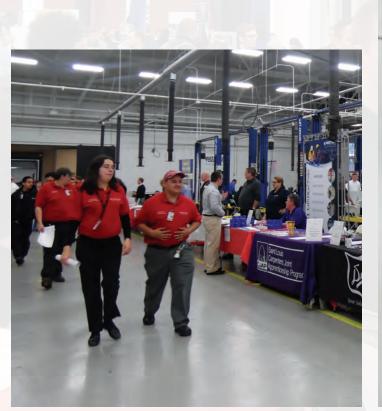
HELPING STUDENTS MAKE THE CONNECTION...WITH EMPLOYERS & JOBS

anken's Career Services office plays a crucial role in fulfilling Ranken's mission by helping students find jobs and offering **lifetime job placement assistance**. The College offers several programs and services to help students connect with prospective employers:

- Ranken Connection Online jobs database
- Job Fairs November & March
- Employer Breakfasts Five annually
- Job Postings Placed in specific programs & divisions to increase student awareness
- Visits and Tours Individualized

In 2015-2016, recruiters from more than 800 companies posted job openings on *Ranken Connection*. That's almost 1,200 jobs posted for 950 graduates. Thanks to hard work by faculty, staff and Ranken's Career Services Director Janie Summers, the annual job fairs continue to break records in the number of participating companies.







HIGH DEMAND FOR RANKEN STUDENTS

Demand is consistently high for our graduates because employers know what sets our students apart:

- A strong work ethic Students are graded on work ethic.
- Well-trained Students receive hands-on training.
- Highly Skilled Students learn about the latest technology in their fields.
- Proven Performers Students gain experience through on-the-job training with Ranken's industry partners.

Kraft Heinz

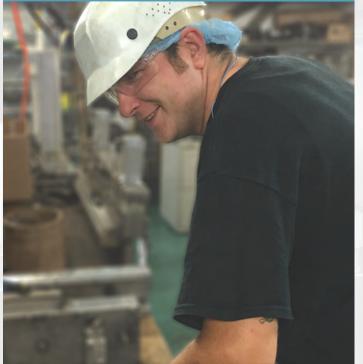
"Kraft Heinz has been hiring the majority of our technical talent from Ranken because we find that its graduates enter into our workforce with a great work ethic and safety orientation, and with a great set of skills that they can apply immediately to their roles with our company."

- Dana Hennessey, Kraft Heinz Company

Ross & Baruzzini

"Graduates from Ranken have been an outstanding success to our firm since they come to us already exposed to the real life requirements of the job."

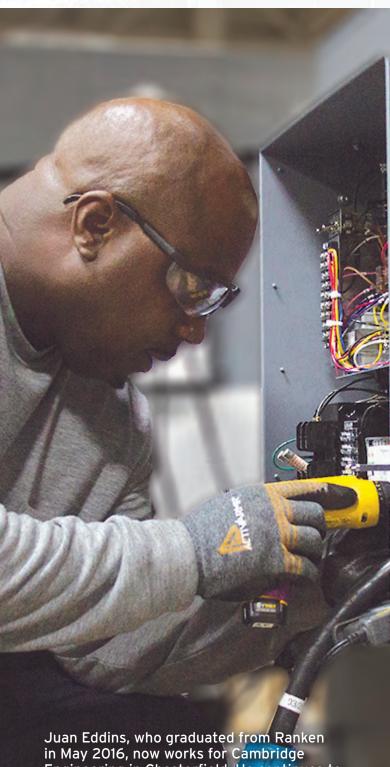
– Trista Stahr, Ross & Baruzzini



Ranken graduate Robert Wagner works in the Capri Sun packaging area for Kraft Heinz Company. Aimee Wood, a 2016 graduate of Ranken technical College, is now an Electrical technician at Ross & Baruzzini in St. Louis.

CAREER SERVICES

PROVEN TRACK RECORD

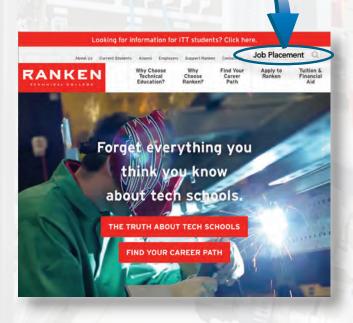


Juan Eddins, who graduated from Ranken in May 2016, now works for Cambridge Engineering in Chesterfield. He continues to rave about his job opportunities and financial support he received from Ranken, thanks to the Ferguson Forward Initiative. Our ability to graduate work-ready students who excel in the workforce, combined with our efforts to attract interested employers, has produced outstanding results:

- We have a consistent 96%-98% job placement rate for our students within six months of graduation in ALL of our programs.
- Average starting salaries range from \$31,000 - \$49,000 annually, with some graduates in high demand fields offered annual starting salaries as high as \$60,000.

Job Placement Information Online

Ranken Technical College showcases graduate job placement rates and average salary information by specific programs on its website. Visit **Ranken.edu** and search for job placement information.



EDUCATIONAL NOTES

PROGRAM UPDATES

Automotive

- Ranken has added luxury car manufacturer Audi to its list of partners in the Automotive Import Technology certified training programs. The addition enables students to train at Ranken and in Audi dealerships from Indiana to Kansas.
- The Automotive Collision Repair Program has added an Aluminum Vehicle Training course to its curriculum. With a growing number of automobile manufacturers using aluminum as a way to increase fuel efficiency, the program is timely and anticipated to grow rapidly.

Construction

• For the first time, students in Ranken's Carpentry and Building Construction Technology Program are building a ranch-style home. Students "learn by doing" with hands-on, onsite instruction and are overseen by Ranken's nonprofit Ranken Community Development Corporation (RCDC).

Information Technology

• As the need increases for secure IT systems, Ranken has added a new IT Security Program to its list of courses for Information Technology students.

Pell Grants for Dual Enrollment

 Ranken is one of only 44 institutions – and the only one in Missouri – selected to be part of a pilot project by the U.S. Department of Education that will enable high school students to access federal grant monies (Pell Grants) for dual enrollment programs, thereby potentially lowering the cost of obtaining a college degree.

Super Mileage Challenge

• Ranken's Missouri Supermileage team won 3rd Place at the 11th annual Missouri Supermileage Vehicle Competition. Seven area high school students comprised Ranken's team, which achieved an average mpg of 170.78. The team also was awarded Best of Show for its "Batmobile" design and was given the Pit Award for overcoming several mechanical adversities.



The first Ranken students enrolled in the Audi Automotive Import Technology Program this fall.



Carpentry and Building Construction Technology students work on a home near the St. Louis campus.



The "Batmobile" designed by area high school students as part of Ranken's Supermileage team won three awards for fuel efficiency, design and overcoming adversities.

STEMFOCUS

WORK WITH YOUR HANDS -EXPAND YOUR MIND

anken Technical College has offered unique, hands-on programs to promote careers in science, technology, engineering and math since 2010. This year, the College increased its efforts to expand access and promote diversity in its programs to encourage more students to pursue STEM careers.

"We design our programs to showcase technology with some hands-on fun."

> Robert Stidem Ranken educator Co-Instructor, Drone Aerial Systems Summer Adventure Academy

D'Angela Jeffries, a junior at McKinley High School, races her drone thru an obstacle course during the Drone Aerial Systems Summer Adventure Academy at Ranken Technical College.

RANKEN

STEMFOCUS

educing the "skills gap" across the country begins with increasing awareness of the wide variety of careers that are available in the STEM fields of science, technology, engineering and math. At Ranken Technical College, we believe the first step is generating curiosity and excitement through hands-on fun among middle and high school students. We do this by offering curriculum enrichment ideas for teachers in our educator workshops and by offering exciting summer camps for students. In 2015-2016, we added new programs and locations and participated in Missouri's first Statewide All Girl STEM EVENT.

STEM Academies For Educators **NEW Location**

For the first time, we offered a summer STEM program for teachers at Ranken Wentzville. The teachers, who came from science, math, engineering and computer science disciplines, overwhelmingly said the Renewable Fuels course they took gave them ideas of how to incorporate hands-on STEM projects into their own curriculum.

"This workshop was close to my home and gave me hands-on experience in making biodiesel fuel, along with the background knowledge needed to understand the chemistry involved in the process," says Patrece Metz, a science teacher from St. Charles County. "I would definitely recommend this workshop to my peers!"

Teachers who said workshop content will enhance student learning in the classroom: **100%**

NEW Course

The hottest trend among educators is the establishment of a "makerspace" where students can create and innovate. This year, Ranken added a new course focused on how to develop a makerspace in schools and classrooms. The curriculum also offered ideas to offset limited school funding resources. "It's the difference between directed versus discovery learning and we need more of that in our classrooms," says Frank Mandernach, a Webster Groves High School teacher. "It allows us to have different ways to learn and engage students and extend our curriculum so that students are more independent and can develop critical thinking skills."



Teachers in the Renewable Fuels course in Wentzville.

Since 2012, Ranken has offered nine STEM workshops for educators:

- Advanced Technology
- Aluminum Workshop
- Robotics & Control Systems
- Green Homes
- Makerspaces
- Renewable Fuels
- Welding Workshop
- I-Car Collision
- LEGO EV3 Robotics

Most Significant Thing Learned In Makerspace Workshop:

"The practicality (and low time/price) of small scale, low tech maker activities that have awesome STEM connections."



Summer Adventure Academies for Students

MORE Access

This year, Ranken increased the number of scholarships available to students participating in its popular STEM summer adventure camps, thanks to donors such as Express Scripts, United Autoworkers, the Nuts, Bolts & Thingamajigs Foundation of the Fabricators and Manufacturers Association, BluePrint4Summer and private individuals and businesses. Ranken has enrolled 1,376 students since the first programs began in 2010.

NEW Course

New this year was an exciting Drone Aerial Systems course. Students learned practical, real-world applications for drones as well as built and flew their own drones through obstacle courses. "Pretty much every career has some sort of technology now," says 16-year-old Adam Soldwish-Zoole, an 11th-grader from Ladue Horton Watkins High School. "We can see the wider applications in a course like this."

Adds Lanijah Hughes, "I went out of my comfort zone to do something like building drones, but I actually like it. It's making me think about what I want to do."

2015-2016 Students: **300**

11 summer camps for middle schoolers

• 11 summer camps for high schoolers

First Statewide All Girl STEM Event

Ranken Technical College was an inaugural participant in the Missouri Department of Elementary and Secondary Education's first Statewide All Girl STEM event held in Rolla, Mo. More than 400 seventh-grade girls came from across the state to learn about STEM careers. Ranken offered two hands-on programs: one demonstrated how 2-D drawings can lead to 3-D architectural models, the other taught girls how to build a basic website as an example of a career in information technology. "We want to help inspire young women to enter into different STEM or technology careers," says Melissa Borchardt, Ranken's Dean of Enrollment. "It was a great event, and we're working hard to get more females interested in Ranken and in tech careers."



Area high schoolers had a blast in the new Drone Aerial Systems course.



Seventh graders created 3D architectural drawings during the first Statewide All Girl STEM event.

2016 Summer Racing Academy 1st Place Team pictured with Ranken President, Stan Shoun, and Automotive Instructors, Kevin Webb and Al Osborne.

STEMFOCUS

Dual Enrollment

In 2016, the U.S. Department of Education selected Ranken as a pilot institution to see if federal Pell Grants for high school seniors will increase enrollment in these programs. Ranken is the only institution in Missouri chosen to participate in the pilot project and is one of only a few selected in the country that focuses on technical education. Ranken has offered dual enrollment since 2010 with 129 students so far participating in the program.

FIRST Robotics

In the past year, Ranken increased the number of FIRST robotics teams it sponsors and mentors:

2015-2016 Robotics Teams:

FIRST **LEGO League** 22 teams, 191 students

FIRST Tech Challenge (FTC) 6 teams, 63 students

FIRST Robotics Competition (FRC) 3 teams, 50 students

Since 2011, Ranken has sponsored 93 robotics teams in elementary, middle and high schools throughout the region.



SkillsUSA

For the third year in a row, a Ranken student has brought home a medal from the SkillsUSA National Leadership and Skills Conference. The competition is for skilled trade, technical and leadership fields and draws participants at local, state and national levels. Jack Vaughan, who graduated in 2015 with a degree in Information Technology, was one of eight students who advanced to the National SkillsUSA Conference. He earned a Silver Medal in Technical Computer Applications. Says Vaughan, "SkillsUSA validated for me that I was going to school for a purpose and that I was really good at information technology applications."

2016 Ranken SkillsUSA Participants: District 42 students State 37 students National 8 students

Paid Summer Internships and Work/Study Partnerships

To help offset the cost of college, Ranken offers paid summer internships to incoming students as well as paid work/study partnerships with several of Ranken's business partners. Funded by grants and donations from businesses and organizations, these programs offset the cost of going to college while providing hands-on job experiences.

2012-2016

Work/Study Partnerships 630 students Paid Summer Internships 30 students

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SUPPORTING THE MISSION

We are grateful to the hundreds of individuals, businesses, organizations and alumni that have become our partners in helping students to succeed. With more than 90% of our students receiving financial aid, their dreams of a technical career are jump-started by your support.

Corporate Support - Express Scripts

"Ranken is providing critical job skills, life skills, and a path toward sustainable wage growth for many young men and women in North St. Louis County. Given Ranken's strong record of placing its graduates into high-quality careers, Express Scripts is confident that our recent gift of \$500,000 is a well-placed investment in the future of our community."



Susan Stith *Vice President, Diversity, Inclusion and Corporate Giving Express Scripts*

Alumni Success - From Ranken to COO

"My coursework at Ranken Technical College served as the basis for my career. The strong foundation built through my Ranken education and subsequent work in the field of Instrumentation and Process Control set me on the career path towards technical program management and served as the cornerstone for my career in operations leadership."



Lisa Walker *Chief Operating Officer, Logic PD – Minnesota 1994 Ranken Graduate Instrumentation and Process Control*

The Dream

"These days, it's hard to find quality for an affordable cost. I would like to thank all of Ranken's donors for making it possible for students like me to have the opportunity to reach our goals."

Deanna Landreth

Architectural Technology Student Recipient, Frederick Eiseman Scholarship Monticello College Foundation Scholarship

BY THE NUMBERS FISCAL YEAR 2015-2016

Total Enrollment
Students Receiving Financial Aid
Average Unmet Need
Scholarships Awarded
Total Institutional Aid
Operations Covered by Tuition
Total Gifts & Donations
Size of Endowment

2014-15 2

 1,836
 1

 90%
 5

 \$2,500
 5

 \$1,316,701
 5

 \$1,284,861
 5

 65%
 6

 \$8,022,316
 5

 \$69,140,625
 5

2015-16

1,899 90% \$2,500 \$1,296,749 \$1,376,910 65% \$2,533,591 \$64,631,033

2015-2016 BOARD OF TRUSTEES

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2016 NEW BOARD MEMBERS

Ranken Technical College is pleased to welcome the following new members to its Board of Directors:

Phil Evans

Senior Vice President, Engineering Hussmann Corporation



Phil Evans currently leads the worldwide engineering operations for Hussmann's \$1.1 billion commercial refrigeration business. As such, he oversees responsibilities for technology innovation, product engineering, design quality and overall platform reliability of Hussmann's product portfolio. He holds a BS degree in Mechanical Engineering from

Michigan State University and a Master of Industrial Distribution from Texas A & M University. Prior to joining Hussmann, Evans held product development, general management and operational consulting positions in a variety of industries, including construction products, mining, automotive, and aircraft engines.

Tammy Livers

Vice President, Strategic Accounts Graybar Corporation



Tammy Livers leads Graybar's strategic accounts organization, which focuses on business development, service and support for large, multi-site and global customers. She has more than 18 years of electrical industry experience and previously was Vice President of Sales for Eaton's Residential and Wiring Device business. She holds a BA degree

from Walsh University and earned her master's degree from Cleveland State University. In 2014 Livers received the Thomas Preston Award from the National Association of Manufacturers Representatives for outstanding industry leadership and business integrity. She also received the Trailblazer Award from the National Association of Electrical Distributors in recognition of her commitment to mentoring females in the electrical industry.

Timothy H. Goodson

Vice President, Field Operations Laclede Gas Company



Timothy H. Goodson is Vice President of Field Operations at Laclede Gas Company. He has 38 years of operations management experience in the energy, chemicals and environmental industries. He earned his BS degree from Clemson University and holds a MS degree from the University of South Carolina. Prior to joining Laclede, Goodson served as Vice President

of Operations at Nicor Gas as well as Vice President of Midstream Operations and Projects and Managing Director of Environmental Safety Health and Emergency Management at AGL Resources, Inc.

Art McCoy, PhD

Superintendent Jennings School District



Art J. McCoy, Ph.D., is a distinguished education and community leader. Born in St. Louis, he is currently a superintendent of schools in the state of Missouri and the founder of SAGES LLC and SAGES Academy 501(c)3, which aims to Sever Achievement Gaps in the Education of Students and Sever Attainment Gaps Existing within Society, respectively. He

serves on numerous college/university, state and national boards, hosts education summits, speaks nationally, and is one of Harvard's Pathways to Prosperity Grant Awardees. Dr. McCoy has supported over 1 million students and 2,500 schools and colleges across America. He has served in a leadership role on numerous regional, state, and national executive boards and councils and is a recipient of numerous awards from state and national organizations. For more information, visit www.artmccoy.com.

