

TECS NEWS

Old Dominion Freight Line Sponsors College Laboratory

ECU students studying industrial distribution and logistics are trained in this lab on SAP software – a workflow management tool used at major corporations across the U.S. An endowment from Old Dominion Freight Line will go toward purchasing more computers and other materials for this lab.

A gift from a national shipping corporation will ensure that more East Carolina University students studying industrial distribution and logistics enter the workforce with experience using a common software package.

Old Dominion Freight Line Inc., based in Thomasville, provided the one-time endowment to enhance an existing lab in the College of Technology and Computer Science. Administrators and faculty will use the funding to purchase computers and other equipment needed to train more students in SAP.

Leslie Pagliari, associate dean for



Future Old Dominion Freight Line Distribution and Logistics Laboratory

Academic Affairs in the College of Technology and Computer Science, described SAP as the software most often used at Fortune 500 companies to manage everything from human resource allocation to purchasing to the supply chain and transportation.

“Old Dominion’s thoughtful donation will give students a hands-on opportunity to learn software that is

vital to the transportation and logistics industries,” said David White, dean of the College of Technology and Computer Science. “Ultimately, this experience will better prepare our students to become leaders in the software business.”

“Old Dominion and East Carolina University have a longstanding partnership,” said Ken Erdner, Old Dominion’s vice president of information system and technology. “The talented students studying technology and computer science at East Carolina University today are the next generation of stars

in our industry, and we welcome the opportunity to help them excel in their studies.”

ECU’s Industrial Distribution and Logistics program is the only one of its kind that offers SAP training to graduates. Within a year, program administrators plan to offer a SAP Certificate of Completion.

ECU junior earns scholarship honoring fallen Marine



Christopher Morgan received the David J. Smith Leadership award.

East Carolina University honored a fallen Marine and proud Pirate on April 13 by awarding the first scholarship given in his memory.

Sgt. David J. Smith enrolled at ECU in 2003 after enlisting with the Marine Corps Reserves. The Maryland resident majored in industrial distribution and logistics in the College of Technology and Computer Science, but put his studies on hold twice – once for a tour in Iraq in 2006 and again in 2009 when his unit was deployed to Afghanistan.

Smith died Jan. 26, 2010, after falling victim to a suicide bomb attack in Helmand province. He was 25.

“We lost one of our own in Afghanistan,” Dean David White said at the Robert E. and Betty S. Hill Recognition of Excellence Awards Breakfast. “He brought light to

everybody around him.”

Christopher Morgan, a junior design major from Virginia, is the first recipient of the David J. Smith Leadership award. The honor comes with \$1,000 and a commemorative coin created in Smith’s memory, emblazoned with three stars.

“David Smith personified all that is right about this nation,” said Steve Duncan, assistant vice chancellor for administration and finance and military programs. “Use this support to continue to build the better world that David

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SPONSORED BY

Gregory Poole





Caterpillar and Gregory Poole Sponsor STEM Initiative

The Caterpillar Foundation along with Gregory Poole Equipment Co. continues their longstanding partnership with the College of Technology and Computer Science at East Carolina University through a gift to promote and support the STEM pipeline by increasing the number of school-aged youth who have an interest in a STEM-related career.

“It is critical for our region and our nation to build and maintain a strong workforce in engineering, technology and science-related professions. This funding enables the College to expand our efforts to encourage young students to pursue STEM studies, particularly those from traditionally under-represented groups in the STEM fields, such as women and minorities,” states David White, Dean of the College of Technology and Computer Science.

Through the support from Caterpillar along with a matching gift from Gregory Poole, Caterpillar’s eastern North Carolina distributor, these dollars will allow the college to further enhance three areas of focus through established outreach programs with a focus on middle school girls and high school students.

The funds will enable the college to expand their TEAMS competition where regional high schools send students to ECU to compete as teams to find efficient solutions to modern day problems. Teams complete a written examination that evaluates the collective knowledge of each team. The second part requires each team to apply that knowledge to different scenarios that relate to the program theme.

Additionally the college will be able to support a STEM Day which allows high school students along with their teachers to visit ECU’s College of Technology and Computer Science



Dean White and Vice Chancellor Dowdy with Caterpillar and Gregory Poole

and discuss STEM careers with faculty from the College and other STEM-related faculty. Dr. Evelyn Brown, associate dean for research and graduate studies, College of Technology and Computer Science and part of the STEM Girls initiative states “statistics indicate that while half of the current workforce is women, only 25% of STEM positions are filled by women. It is our hope that the STEM activities we provide will encourage more females to pursue STEM careers.”

The support will enable the college to expand its STEM Girls programs in the fall of 2012. Middle-School girls participate in on-campus programs and learn about STEM careers and pathways of study. The program is led by ECU women who are faculty and leaders in the STEM disciplines.

Leave Your Legacy: It Is Easier Than You Think



**Greg Abeyounis,
Assistant Vice
Chancellor for
Development**

This article is the beginning of a series in this newsletter that will talk about unique possibilities for you to make gifts that create an impact greater than you may have ever considered for the College of Technology and Computer Science. Planned giving simplified allows you to look at all of your assets and figure out which one is most tax advantageous to support your philanthropy. The concept of future support/ planned giving enables you to think strategically about how to best create an endowment or support a project that will leave a perpetual legacy at the College of Technology and Computer Science. Many planned gifts come

after your lifetime thus; no assets are utilized or extracted from your current wealth. This gives you the peace of mind you will have adequate resources for anything the future holds. After your lifetime specific remaining assets can then be distributed based on your wishes to leave your legacy at the College of Technology and Computer Science at ECU.

Planned gifts are broken down in two categories. First are testamentary gifts which include bequest provisions, IRA/401K/qualified retirement plan/annuity beneficiary designations or life insurance designations, property gifts and certain trusts that can be utilized to benefit a project of your

choice at the College of Technology and Computer Science. The second types of gifts are income producing which include charitable gift annuities and a wide variety of trusts that are available for individuals. Income producing gifts are part gift and part revenue stream where you give cash or assets and gain a current partial income tax deduction while then receiving revenue for the rest of your life and the life of your spouse or other designee. These revenue producing instruments can be extremely effective for supplementing retirement income. All planned giving vehicles offer benefits and ultimately allow you to make a significant impact for Technology and Computer Sciences through the East Carolina University Foundation, Inc. Your planned gift will gain you membership in the Leo W. Jenkins Society. Membership benefits include recognition as member of the Leo W. Jenkins Society in all publications plus, a Jenkins medallion, membership certificate, lapel pins, automobile decals as well as invitations to annual campus events.

Over the past several years, planned giving has grown at a rapid pace making the future look extremely bright for the College of Technology and Computer Science and our entire university. If you have any questions, need further information about this type of giving or want to schedule an appointment to discuss these possibilities contact Greg Abeyounis, Assistant Vice Chancellor for Development at 252-328-9573 or email abeyounisg@ecu.edu. I look forward to sharing detailed information about each of these specific planned gift opportunities with you in the upcoming newsletters.



Message from the Dean

“Addressing Budget Challenges”

It is difficult to believe, but another academic year has come and gone. This year we faced probably the largest one-time permanent budget cut in the history of the NC University System. ECU experienced a budget cut of over \$40 million, of which about \$1.5 million came from the College of Technology and Computer Science. While the budget reduction was painful, we made strategic decisions to protect our students, faculty and degree programs. All of us are learning to do more with less and I am very proud of the way that our faculty, staff and administrators have worked to overcome the problems caused by such a dramatic cut in our funding.

This year ECU has undergone a comprehensive study of all our academic programs. Very difficult decisions are being made about vertical program cuts, academic consolidations, and other money-saving options. The Program Prioritization Committee, comprised of faculty and administrators from across campus, carefully studied each academic program in terms of its productivity, quality and centrality. Programs were then ranked and recommendations for elimination, reduction, or investment were made. The Committee also examined the organizational structure of the academic colleges, looking for ways to save money through consolidation and reduction in administrative costs, as well as ways to create synergies within and among programs. Recommendations have been sent to the Chancellor for his final decisions. We expect that there will be no change in our College of Technology and Computer Science structure, but we are going to have to find ways to further reduce our administrative structure and cut costs. I will be meeting with the College Leadership Team throughout the summer to identify ways that we can further reduce our budgets. As you can imagine, the past several years of consistent budget cuts have

left us with very difficult decisions as we move forward.

However, in spite of these budget challenges, our college is making great headway toward our strategic goals of advancing distinguished undergraduate and graduate programs that prepare students for meaningful careers. We are continuously working to create a welcoming and inclusive work and learning environment. Our research is leading to important knowledge creation and dissemination and we seek always to promote economic development across the state and especially here in eastern North Carolina. It has been quite rewarding to hear of our graduating students who continue to find positions with good starting salaries. Employers who hire our graduates report that they are well prepared and ready to hit the ground running. Our programs have never been in greater demand. Moving forward, it is imperative that we continue to invest in the programs that our college offers. Our region and our state's prosperity depend on it.

Thank you for all your support and encouragement. Enjoy this newsletter. Visit our website and visit us if you are in Greenville. We would love to see you!

David M. White
Dean



**David White, Dean
College of Technology
and Computer Science**

COMPETING TEAMS: High school students test STEM skills at ECU

Nearly 75 high school students from eastern North Carolina crunched numbers and engaged in creative thinking exercises Friday, Feb. 24 during a national competition hosted at East Carolina University.

The Tests of Engineering Aptitude, Mathematics and Science (TEAMS) program is an annual event challenging high school students to work collaboratively and apply their math and science knowledge in practical, creative ways to solve real engineering challenges. The one-day competitions take place at more than 100 locations between Feb. 13 and March 12 and involve more than 10,000 students vying for local, state, and national rankings and awards.

This was the fourth consecutive year ECU's College of Technology and Computer Science hosted TEAMS competitors. Participants were grouped into nine teams from Winterville's South Central High School; Richlands High School; and Bertie Science, Technology,

Engineering, and Math High School of Windsor.

The annual TEAMS competition is a Test of Engineering Aptitude, Mathematics and Science capabilities.

Students answered 80 multiple choice questions over a 90-minute period, followed by four open-ended challenges during a second 90-minute time frame. The theme this year – which participating teams knew in advance – was “Engineering Healthier Lives,” which focused on engineering applications in health care and medicine.

“It’s not a lot of hands-on playing with robots,” said Dr. David Batts, associate professor in the Department of Technology Systems and TEAMS competition coordinator. “It’s applying knowledge to real-life scenarios.”

The junior varsity squad from Richlands took home first prize. Questions vary in difficulty for varsity and junior varsity teams, but the Richlands group had the most correct answers overall, Batts said.

After racking their brains for the first half of the day, visiting students were led on tours of college labs and campus by members of the TECS Student Leadership Advisory Council. The high schoolers were invited to ask questions about college life, classes and departments, and how majors match up with various career paths.

“A lot of students in eastern North Carolina will be first generation college students,” Batts said. “Sometimes this is the first opportunity they have gotten to be on a college campus and this shows that we’re open and that faculty and staff really work with the students.”

Batts said there is a national push to recruit students into STEM fields, and that programs like TEAMS help “build awareness of STEM degrees and careers...throughout the United States and especially in rural areas.”

For more information about the Technology Student Association's TEAMS competitions, visit <http://teams.tsaweb.org/teams/about/>.

EARLY EXPOSURE: High school students explore STEM majors at ECU



ECU graduate student Shawn Thieme demonstrates how water supplies can become polluted during an ECU visit by high school students interested in science, technology, engineering and math careers. (Photos by Cliff Hollis)

The clear box of sand and soil in front of East Carolina University graduate student Shawn Thieme resembled an ant farm without any insects. With a medicine dropper, he inserted red dye into an opening at the top. Five students watched closely as it seeped down through the layers of dirt to form a red splotch in a lower level of earth.

Thieme then grabbed another syringe and started pumping water out of a well running through the soil.

"Watch as I pump how that (red) plume starts to migrate toward that well," he told them. The simulation shows how contaminants from gas stations and landfills could pollute a water supply over time.

This is what geologists – and Thieme in particular – study at ECU. The topics are much broader in scope than what many believe, said Mary Farwell, director of undergraduate research. She hopes early exposure to science, technology, engineering and math (STEM) curricula and careers will change that.

High school students learned about conducting chemical tests for analyzing drugs and testing crime scenes during a visit to ECU April 19. Approximately 100 high school students visited campus

to participate in High School STEM Day activities highlighting the university's programs. The event targeted juniors and seniors and drew participants from Beaufort, Onslow and Pitt counties.

"We want to make sure students know what goes on here (at ECU)," said Farwell, who organized the event with help from two colleges, the Center for STEM Education and the N.C. Eastern Region. "It's not just sitting in class. There's a lot of hands-on stuff, too."

Teachers chaperoning the high school students said the event helps get students interested in pursuing math and science.

"I think they see things that they wouldn't get to see in a regular classroom," said Heather Scott, a math teacher at Washington High School.

"We don't have the technology to do this," she added, gesturing around an analytical chemistry lab where assistant professor Anthony Kennedy showed students how to conduct gas chromatography. It's a common test used for analyzing drugs and in processing crime scenes, he told them.

"And it's good that college students are in there," Scott continued. "They're explaining what they study in their major and what they're going to do with it."

The emphasis of multiple High School STEM Day activities was job skills. George Wang, an assistant professor in the Department of Construction Management, taught how to conduct soil tests at a building site while a colleague demonstrated the use of land surveying equipment.

Farwell said it's important for students to see where a college degree could take them.

"We feel students don't really understand that in the STEM majors, they can really walk into a job when they graduate," she said. "A lot of other (programs) can't say that."

A favorite among visiting students was a Department of Engineering demonstration featuring robots built by ECU students.

"There was one robot, if it came too close to a wall, it would back up and change directions," explained Joseph DeMatty, a junior at Jacksonville High School. "There was another one that would follow a black line, so it could sense the colors between black and white. I thought it was pretty cool. It was my favorite."

"Knowing that people can actually work those and make them is pretty cool," agreed Logan Webb, a sophomore at D.H. Conley High School. "I'm interested in science in math so I came to this to see what my options are."

Junior earns scholarship, *CONTINUED FROM FRONT PAGE*

sacrificed for."

The award is based on three criteria administrators say Smith exemplified: leadership, integrity and service. Morgan is currently juggling 18 credit hours, works more than 20 hours weekly in the dean's office and heads or participates in several organizations including the American Design and Drafting Association, the Dean's Student Leadership Advisory Council and the Bachelor of Science in Design Advisory Board.

"He is one fellow who is always willing to lend a helping hand," White said of Morgan. "He always has a smile on his face."

The room fell silent as attendees viewed a slideshow of photos from

Smith's years ECU. Wiping away tears, his family thanked the university and congratulated Morgan on the award.

"We were embraced by so many of you (after David's death)," said Smith's mother, Mary McWilliams. "I saw then why David loved this school, this state and why he wanted to make his life here."

"(David) joined the Marines because he felt he needed to do service for his country," said his father, Leonard Smith, "And he paid the ultimate sacrifice for it."

"The first recipient?" he continued. "You couldn't have picked a better one."

"I'm proud to represent the college as well as David," Morgan said, "It's

truly an honor. I wish I could have met him."



A commemorative coin honoring David J. Smith was presented along with the scholarship.



EMC Academic Alliance Success Story

The EMC Academic Alliance sat down with East Carolina University (ECU) student and current intern at US Department of Defense (DoD), Lance Cleghorn, to hear how studying information storage and management has impacted Lance's career.

EMC Academic Alliance: What is your major at ECU?

Lance Cleghorn: My major is Information Computer and Technology (ICT) with a concentration in Computer Networking.

How did you learn about the Information Storage and Management (ISM) course?

LC: One of my professors recommended that I take the ISM course when it was being piloted by Lee Toderick. I was not sure about the storage course because I thought I knew storage. However, Professor Toderick encouraged me to take the course. He said he'd be interested to hear if I felt like I knew storage after taking the class. I took the course and realized that I only knew about desktop and server storage, but not enterprise storage. In particular, I developed a strong interest in content-addressed storage, which I wasn't even aware existed prior to enrolling in the ISM course.

What did you find advantageous from having taken the ISM course?

LC: Within the first few weeks of my internship at the Department of Defense, I was asked to give a presentation on business continuity for a static archiving project. Thanks to what I learned in the ISM class, I was prepared to give the presentation and was able to recommend a few EMC products that were an ideal solution for their needs. In fact, my recommendation was the exact solution that their EMC rep recommended a few weeks prior. My business continuity knowledge provided me the opportunity to demonstrate my knowledge and stand out as an intern.

How do you think industry certifications will help you with your career plans?

LC: I was encouraged by my colleagues during my internship to continue to achieve industry recognized certifications, as they represent mastery of my knowledge in technology areas. I already hold the following certifications: EMCISA, CCNP, Network+, Security+, A+, IC3, and MCP in Windows. These certifications provide me with a record of my technology skills which I can use on my resume to differentiate me from other recent graduates.

What are your career goals?

LC: I plan to attend graduate school at ECU to obtain a M.S. in Technology Systems with a concentration in Information Security or Computer Networking Management. Upon completing my M.S., I want a career in IT with a focus on networking and information assurance. After working for a couple of years in the IT industry, I plan on attending law school because there is a disconnect between the legal system and technical concepts.

What was your role as an EMC Academic Alliance Student Ambassador?

LC: As a student ambassador, I worked with Lee Toderick and my fellow ICT students to create awareness on campus about the information storage and management industry and ISM course. For my Technical Presentations class, I decided to do all my presentations on EMC storage. After each presentation, I had a group of students that would have further questions about EMC storage. I think it is safe to say that many of these students will enroll in the ISM course.

Based on your experience with the ISM course, what advice would you give your peers?

LC: If you have an opportunity to take the ISM course, it is time well spent. Like me, you probably think you know storage (desktop and server). But after you take this class, your eyes will be opened to how big a role storage (SAN, NAS, CAS, backup and recovery, disaster recovery, etc.) plays in IT. Once you know about it, you realize how it is really, really important.

ABOUT EMC ACADEMIC ALLIANCE

The EMC Academic Alliance partners with colleges and universities worldwide to provide information storage and management 'open' curriculum at no cost to the institutions. EMC provides faculty with readiness training and resources to incorporate the curriculum into their technology programs. Through this partnership, we help build a highly skilled pool of future information storage professionals.

ABOUT EAST CAROLINA UNIVERSITY

EMC Academic Alliance member East Carolina University (ECU) is a public, coeducational research university located in Greenville, North Carolina. One of the largest universities in North Carolina, ECU is recognized as one of America's Best Colleges by US News and World Report.



LANCE CLEGHORN, 2012

Degree Goal: BS in Information and Computer Technology with a concentration in Computer Networking.

Current Employer: DoD Intern

Interests outside of Academics: Spending time with friends and family; cooking and grilling out; and watching movies.

Advice for Students: Obtaining certifications to validate your technical knowledge.



REAL-LIFE ENGINEERING: ECU students develop labor and delivery bed

A group of recent graduates from East Carolina University's Department of Engineering never considered the equipment required to deliver a baby. A senior capstone project assigned to the four males last January changed that.

Hours of research led to the creation of a labor, delivery and recovery bed unveiled this December – incorporating three essential functions in one mobile apparatus. Capable of running without electricity, their prototype was intended as a model for use in an Afghanistan hospital partnering with the U.S. Centers for Disease Control and Prevention.

The student team was led by Dustin Rogers and included two other students also concentrating in biomedical engineering, Andrew Bott and A.J. Malicdem. A fourth member, Josh Browder, earned a degree focused in mechanical engineering.

Dr. Stephanie George, assistant professor of engineering in the College of Technology and Computer Science, suggested and oversaw the project. George worked with the CDC while earning her doctorate at the Georgia Institute of Technology. When she inquired about potential student capstones, they mentioned the need for such a bed.

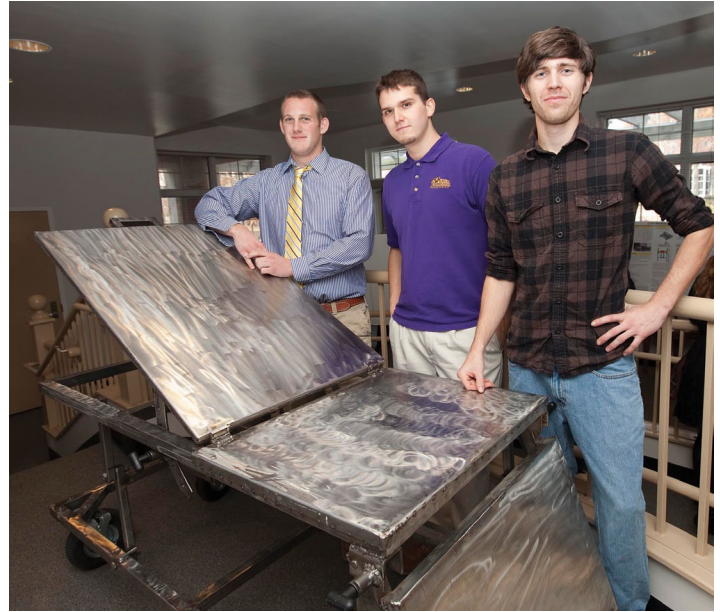
"There's a big push to improve maternal health and fetal health internationally," she said. "The bed could improve care...and by improving the care perhaps you could reduce the mortality rate."

She said many women must move from room to room between beginning labor, delivering the baby and recovering after the birth. That can increase the risk of infection or injury to both mother and child.

Their liaison with the CDC provided only a small list of requirements, including that it should function without electricity and be light enough to be lifted by two grown men. The student team expanded on that, choosing to make it somewhat collapsible and adding wheels to aid mobility.

"We wanted to design something that's going to work in real life," said Bott. "It was kind of open ended. It could have gone many different directions."

The design phase went smoothly with the assistance of a computer software program, but actually building the



ECU engineering students, left to right, Josh Browder, Andrew Bott and Dustin Rogers developed a labor and delivery bed as part of their capstone project. (Photo by Cliff Hollis)

prototype was a greater challenge.

"None of us really had any welding experience or machine shop tool experience," Rogers said, explaining they got a crash course in use and safety before setting to work. Bott said construction was his favorite phase of the project.

The prototype could be improved, the students agreed. Consultations with nurses and a doctor in ECU's Brody School of Medicine led them to consider the addition of stirrups or foot rests for the bed. They also think circular instead of square metal tubing would be ideal, as would the use of a lighter metal.

"It seemed like everyone we showed it to was surprised with how much we got done," Rogers remarked.

"It was real-life engineering work experience," Bott said.

Dr. Hayden Griffin Jr., chair of the Engineering Department, said all capstone projects match students with local industry or government partners to complete a meaningful project that encompasses all they've learned. Still, this one struck him as unique.

"One of the differences with this capstone is that it has a clear benefit to people and their health and well-being," he wrote in an email.

The department may carry the project forward with another capstone team, George said, who could make the adjustments suggested by the initial team in a more polished prototype and test its use in birth simulations. Students from the College of Nursing and the College of Allied Health Sciences could also get involved, she suggested.

George is expecting her third child in February, and though she wasn't pregnant when the project began, it seems fitting she should oversee it. Asked if she planned to deliver on the prototype bed, she said she would rather not, but added, "I would trust it to hold my weight."



Prototype of labor and delivery bed

TECS partners with community colleges

Seven delegates from Halifax Community College crowded around a table at East Carolina University's College of Technology and Computer Science in mid-January staring at what looks like industrial junk.

The programmable universal machine for assembly, commonly called a PUMA, is the product of a bygone era. Commonly used by manufacturers in the 1980s, it is a dinosaur compared to the robots running functions a few classrooms away.

But ECU Senior Keith Eichenberg brought the machine back to life in December. Now the functional robot resides in Halifax County – a tangible symbol of the burgeoning partnership between the two schools.

"We're looking for ways to raise the visibility of the college," said David Harrawood, director of ECU's Center for Innovation in Technology and Engineering. "Throughout eastern North Carolina, the community colleges are seen as learning centers. It's good for us to link with them."

Outreach important to ECU

As well as having regular conversations with Pitt Community College and now Halifax, Harrawood also partners with community colleges in Beaufort, Lenoir, Nash and Wilson counties. He hopes to bring delegates from those institutions to campus in the future.

"It's kind of like neighbors leaning over the fence," he said, explaining that they started with Pitt because of its proximity and size. He then reached out to Halifax, a smaller college located farther from ECU.

"Our college places a high value on our partnerships with community colleges," said Dr. David White, dean of the College of Technology and Computer Science. "Working together, we can provide clear pathways for community college students to enter our college programs and gain degrees that will lead to exciting career opportunities."

Community college officials agree.

"It's a great deal because we have a lot of students who leave here and transfer in as juniors," said Dr. Van Madray, dean of Construction and



David Harrawood, director of ECU's Center for Innovation in Technology and Engineering, demonstrates how a PUMA robot works for visitors from Halifax Community College including, at left, Dean of Curriculum Programs B.T. Brown.



Visitors from Halifax Community College watch as a Mitsubishi robot functions in a College of Technology and Computer Science lab. The robot is used to train East Carolina University students.

Industrial Technology at PCC.

Madray said about half of all Pitt students plan to transfer to a four-year institution, and many from his department go on to study construction management or engineering.

"We're all about applied technology degrees," he said. "(Students) come here, they get a lot of the hands-on stuff. At ECU, they get the higher level of management."

He added that they encourage

students to take that next step.

"Maybe you don't want to be a welder for the rest of your life," Madray said. "Maybe you want to own your own welding company."

Representatives from the College of Technology and Computer Science met with PCC officials Feb. 14.

Sharing resources

Meanwhile, Halifax Community College is developing a "two plus two" program, referring to the two years a student can spend at HCC before transferring to ECU their final two years.

Business and Industry Coordinator Larry Crisafulli said he realized several years ago that a relationship with an entity like ECU was necessary to both attract businesses to Halifax County and to keep positions filled at existing manufacturers. Skilled employees would come to the area for jobs, but had trouble adjusting to the rural setting, he said.

"When we had to provide training, we realized we were not equipped to do so," Crisafulli said of educating local students. "We could not locate the caliber of instructors needed."

Visiting faculty from ECU can train staff and students alike. The college is partnering exclusively with ECU now because the college provides what Crisafulli terms "a quality service."

The January visit from HCC officials included presentations from each of the department heads in Technology and Computer Science, as well as tours of the various labs used in instruction at ECU.

In the technology and engineering high bay lab, HCC President Dr. Ervin Griffin Sr. eyed the rapid prototyping machine with great interest, running his fingers over the grooves of a small plastic model it produced in minutes.

"We need to buy one of these," he shouted over his shoulder to his colleagues.

Harrawood quickly chimed in. "As long as it's here, you can use it."

"I'm trying to find ways to weave technology into the fabric of eastern North Carolina," Harrawood later explained. "This opens up the pathways of communication."



We Did It - Second Century Campaign closes with \$219,000,000 donated

Whether you are an alumnus, donor or industry partner, I am sure you are not surprised that East Carolina University surpassed the \$200,000,000 Second Century Campaign goal by 10% one year ahead of schedule. During these very difficult economic years, we have witnessed the very best out of those donors like you, who have allowed us to achieve our campaign goal. Gifts that have had a direct impact on our college through the past few years have included:

- Additional Endowed Scholarships
- Additional Annual Scholarships
- Lab Endowments
- Program Endowments

THANK YOU!

As you will note from this latest edition of Tecs Connects, there are a variety of ways to consider making a gift, or leaving your own personal

legacy to the College. Regardless of size, or type of gift, donations make a difference for our college and allow us to further “fund the margin of excellence”. Giving supports the college in many meaningful ways such as:

- Strengthen academic programs
- Recruit and retain top faculty members
- Make ECU more affordable for all students
- **Increases the value of your degree**

With state resources becoming more finite and the university having to make cuts in excess of \$140,000,000 over the past three years, private support has never been more critical or meaningful. I would like to encourage all alumni and friends of the college to consider making a difference by annually supporting the College of Technology and Computer Science. Gifts to the college ultimately



Dean David White and Major Gifts Officer, Michael Ward

impact our students as you have read about throughout this newsletter. Please continue to look for ways to stay connected with the college and invest in areas that are important to you. If I can assist you in meeting your personal philanthropic goals, please do not hesitate to contact me.

Michael Ward
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 and Computer Science
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