

# CareerFocus™



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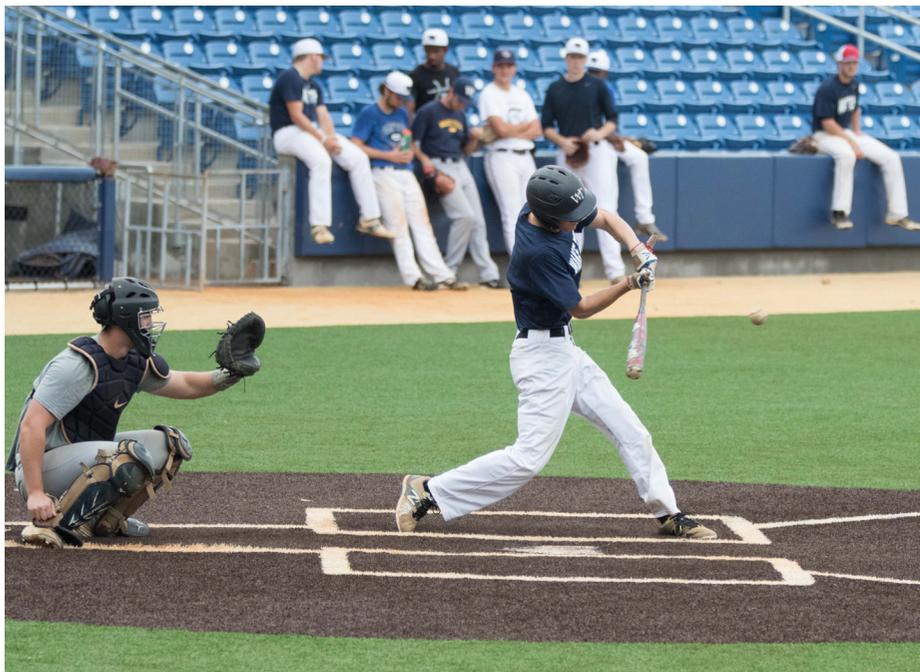
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# Home Sweet Home!

## Wake Tech Baseball Set to Shine in Holly Springs

The Wake Tech Eagles are ready to hit it out of the park! The baseball team celebrated a very successful 2015 season, ranking 8th in the NJCAA DII's Top 10, while Head Coach Chris Kiec was named DII Region X Coach of the Year! The upcoming season promises even more to celebrate, as the Eagles plan to build on their winning ways.



In 2016, Wake Tech baseball will be able to claim one major victory before the games even begin: The Eagles will play home games at the 2,000-seat North Main Athletic Complex in Holly Springs. The new stadium is already home to the Holly Springs Salamanders of the Coastal Plain League, and it will offer the Eagles an exciting new venue. Coach Kiec says it's a great opportunity: "It's not often a community college team gets to practice and play in a facility like this. It will give our players a sense of pride and ownership – they'll treat it as their own."

Athletics Director Barry Street agrees that the North Main Athletic Complex is important for the athletes and for the program. "Being able to play at a top-notch facility will not only help us with recruiting; it will give our athletes the feeling of playing for a four-year university." The Holly Springs facility will also allow Wake Tech students, faculty, and staff to attend games close to Main Campus.

► [athletics.waketech.edu](http://athletics.waketech.edu)

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## From the Army to ABCs Michael Chemarie, Class of 2015

*"Wake Tech helped me realize who I am and where I want to be."*

Michael Chemarie is a 27-year-old army reservist who lives in Raleigh – a long way from the war zone where he served in Afghanistan. Michael is now working on a new mission, one that has been several years in the making: educating children.



Michael enlisted in the army after high school. He served for four years, including a deployment to Afghanistan, before transferring to the army reserves. In 2010, he decided he wanted to continue his education, but without a clear vision on the career he wanted to pursue, Michael contacted Wake Tech: "I wanted to explore my options in a cost-effective way."

Michael took a variety of classes at Wake Tech, but it wasn't until he volunteered at a summer camp for kids that he zeroed in on his true calling. He enrolled in Wake Tech's Early Childhood Education program and hasn't looked back, even though he's often the only male in class. "I like being able to provide a different perspective," Michael says. Michael says the Early Childhood Education instructors are "amazing" and provide real-world advice as well as educational support. "I talk to them about



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my studies and their experiences working in the field. It's been so helpful!"

Michael has worked full time while taking classes at Wake Tech, and already has a job at a child care center. After graduation, he plans to transfer to UNC-Greensboro to complete a bachelor's degree – and possibly a master's. "I would love to come back and teach at Wake Tech some day!" he says. "Wake Tech helped me realize who I am and where I want to be."

Career Focus is published by Wake Technical Community College to encourage Wake County residents to enrich their lives through lifelong learning, to provide information about careers and Wake Tech's programs of study, and to promote workforce training and economic development. Questions about the Wake Tech programs and services described in this publication should be directed to 919-866-5000. To inquire about advertising in Career Focus, or for questions and comments about this publication, call 919-866-5929.

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**On the cover:**

Nineteen-year old Brie McGhee is one of 15 Wake Tech Student Ambassadors for 2015-2016. She is majoring in Computer Programming and plans to transfer to a university to pursue a bachelor's degree in Computer Science.



## From the President

Welcome to Career Focus and to Wake Tech! We offer educational options for everyone – whether you plan to go straight into the workforce or continue on to earn an advanced degree. Thanks to innovative new articulation agreements, the possibilities are almost endless!

For traditional college/university transfer students – those in AA and AS programs – transferring is smoother than ever. The North Carolina Community College System has updated its articulation agreement with the UNC System, and has recently signed a new agreement with 22 independent colleges and universities in our state. Wake Tech takes that even further, with the addition of two more degrees that transfer: the Associate in Engineering (AE) and the Associate in Fine Arts (AFA).

Wake Tech's Career Programs – Associate in Applied Science (AAS) degrees originally designed to lead directly to employment – now offer opportunities for transfer to four-year institutions as well. And even non-degree-seeking students can be earning "stackable" credentials that will count toward a future degree. At Wake Tech, we're all about keeping options open!

Want to learn more? Read our cover story, and examine the exciting options now available. Let our small classes, engaged faculty, and outstanding programs make your educational experience the best it can be!

**Dr. Stephen C. Scott**  
President

# Start Here. Transfer Anywhere!

## Enhanced Opportunities for Advanced Degrees

Chad Kibbe



It was a once-in-a-lifetime experience – working on a commercial fishing boat off the coast of Alaska! And once Chad Kibbe experienced it, he was hooked. He knew then that he wanted to pursue a bachelor’s degree in an environmental field, and maybe work for the Environmental Protection Agency one day. But instead of heading straight to a university, he fished around for a more cost-effective option. Chad decided to complete his first two years of college at Wake Tech and then transfer to NC State University. “I’m paying for college myself,” he says. “I grew up learning the value of the dollar, and this just made sense financially.”

For 19-year-old Brie McGhee, starting out at Wake Tech was as much about career exploration as saving money. When she graduated from Heritage High School in Rolesville, she wasn’t sure what she wanted to do. The resources at Wake Tech and the individualized attention she received helped her home in on her pathway – earn an associate in applied science degree in Computer Programming, and then transfer to NC State University to pursue a bachelor’s degree in Computer Science. “Starting at Wake Tech was a great decision for me,” she says. “I found a great support system here, and it’s given me the confidence to venture outside my comfort zone and try new things.”

Every year, thousands of students make this same wise choice. It’s well

documented that students who begin in a community college and complete a two-year degree before transferring perform well in classes and graduate at high rates. In many cases, they earn higher GPAs than their peers who started at the same institutions as freshmen.

At Wake Tech Community College, the opportunities for transfer are endless. Wake Tech actively works toward partnerships with four-year institutions so that graduates of all programs have options for continuing their education.

### College/University Transfer

Wake Tech’s traditional College/University Transfer program includes the Associate in Arts, Associate in Science, and Associate in Engineering degrees. The AA and





# Nurse Aide Training: Just What the Doctor Ordered

Shawn Morgan was a single mom, working for IBM, when she decided she was ready for a career change. With an interest in health care, she found Nurse Aide training – also called Certified Nursing Assistant – at Wake Tech.

“I knew Wake Tech was a great place,” Shawn explains, “and the Nurse Aide program was short. So I just decided to dive in and try it!”

Nurse Aide I training, a three-month program offered through Wake Tech Workforce Continuing Education, covers basic nursing skills for employment in health care settings. It’s also a pre-requisite for Wake Tech’s associate’s degree program in nursing.

Once Shawn completed Nurse Aide I, she wanted more. She applied for and was accepted to Wake Tech’s nursing program, and worked full time as a nurse aide while taking classes toward her degree. Along the way, she also completed Nurse Aide II training, another short-term, non-credit class, so she could earn a promotion at her job.

“I surprised myself by being accepted into each program I applied for,” she says. “My self-esteem increased with each class and job offer!”

Since then, Shawn has not only earned her associate’s degree from Wake Tech, but has earned a

bachelor’s degree in nursing from Winston Salem State University – all while working full time at Wake Med. She now also works at Wake Tech as a Nurse Aide I instructor. “I have seen how important preventive care is,” she says, “and I’ve always wanted to give back. I love teaching and seeing the light come on in a student’s eyes.”

Shawn teaches her students about compassion, patience, and the importance of the work that nurse aides do. She says they are the first line of defense for patients: “If you don’t have a good nurse aide, patients can suffer.”



Shawn Morgan

“Nurse Aide training is an excellent introduction to health care,” says department head Diane Cardamone,

“whether you’re interested in nursing, radiography, or other health professions. There’s no better way to explore the field, see what it’s like to work with patients, and find out if it’s right for you.”

Nurse Aide is a high-demand field, with a growing number of opportunities for employment in



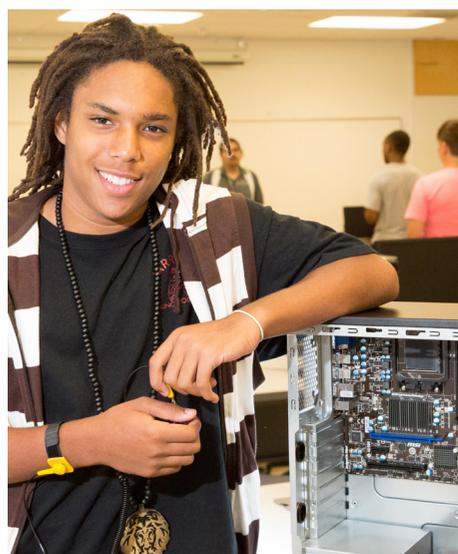
hospitals, long-term care facilities, and home health care settings. Wake Tech offers the training program on three campuses – Perry Health Sciences, Northern Wake, and the Public Safety Education Campus, as well as at the Vernon Malone College and Career Academy.

Shawn says that while nursing began as “just a job” for her, it has shaped her character, and nursing has become her calling. “The nursing profession is a bridge to a new world – you can go anywhere with the skills you learn, and I’m so thankful for the opportunities I’ve been given.”

For more information, visit [nurseaide.waketech.edu](http://nurseaide.waketech.edu) or call 919-747-0120.

## Nurse Aide Job Duties

- Clean and bathe patients
- Help patients use the restroom and dress
- Transfer patients between beds and wheelchairs
- Measure patients’ vital signs, such as blood pressure and temperature
- Serve meals and help patients eat



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## Jason R. Whitehead 2015 Instructor of the Year

**Title:** Instructor; candidate for Associate Professor

**Background:** Inorganic chemistry and Ligand design, Atomic Force Microscopy

**Education:** Master of Science in Chemistry from UNC-Wilmington, B.S. in Chemistry with a Biochemistry option and a minor in Math from UNC-Wilmington, further graduate studies and research completed at Duke University

**Work experience:** Five years as an educator at Wake Technical Community College, previous graduate experience in pilot projects in Chemical Education

**Special honors, awards, and accomplishments:**

While at WTCC, I developed the first fully in-house MOOC (Massively Open Online Course) in developmental chemistry. At UNCW, I received the William S. DeLoach Scholarship for outstanding performance in organic chemistry. While at Duke, I received GPNANO and CBTE fellowships, as well as the James B. Duke Fellowship.

**Personal/Family:** I grew up in Jacksonville, North Carolina, and now live in Morrisville with my wife, Erin, and my son Daniel.

**Hobbies:** Major foodie – the spicier the better – and I love cooking! I’m also an avid gamer and enjoy hitting the gym.

**Best thing about Wake Tech is...** Wake Tech is an incubator for awesomeness! When you factor in the small class sizes, the epic support the college brings to the table for new initiatives and ideas, and a diverse and talented range of students from all walks and stages of life, you get a job that doesn’t feel like “work” and a chance to impact lives.

**Advice:** Lao Tzu said “Nature does not hurry, yet everything is accomplished.”

## John Boone 2015 Staff Member of the Year

**Title:** Dean of Institutional Effectiveness, Accreditation, and Research; SACSCOC Accreditation Liaison

**Background:** Moved to Raleigh at a young age and grew up in the northwest side of the city. I have been working at Wake Tech since 1985 in various positions.

**Education:** BA in History, minor in Political Science from Guilford College; MA in Political Science from NC State University, minor in Speech Communications from UNC Chapel Hill; Ed.D. in Adult and Community College Education, minor in Public Administration from NCSU.

**Industry Credentials:** Served on 14 SACSCOC Reaffirmation Committee Visiting Teams since 2000; served as

SACSCOC Accreditation Liaison for Wake Tech during its last reaffirmation cycle (2014), for which the college received zero recommendations from the SACSCOC on-site visiting committee

**Work experience:** Wake Tech – Dean, Learning Resources Specialist, Instructional Supervisor; Intern at Peninsula Advanced Technology Center, Thomas Nelson Community College (VA), 1993.

**Special honors, awards, and accomplishments:** NC Community College Planners and Research Organization (CCPRO) President 2013-2014 and 2014-2015; Member of Class VIII, Leadership North Carolina (2000-2001); Kellogg Fellow, NCSU (1992-1993).

**Personal/Family:** I have a wonderful wife, Sonya, and a daughter who is a junior at Furman University.

**Hobbies:** Travel, beach, mountains, and my 1972 yellow VW Super Beetle.

**Best thing about Wake Tech is ...** The employees and their commitment to creating a learning environment for students and making the college the best in the state and the nation. There are so many unique programs evolving at the college every year; it is hard to really comprehend the scope of the institution and its impact on Wake County.

**Advice:** Never stop learning and always be open to innovative ideas.



## Student Spotlight: Baleigh Scheibner President, Wake Tech Student Government Association

**Current standing:** Wake Tech sophomore pursuing AAS degree for college transfer and completing National Honor Society requirements; President, SGA; member, Wake Tech Board of Trustees

**Background:** I am 20 years old, and I was homeschooled my whole life. I have three sisters and four brothers, one of whom was adopted from Guatemala! I was born in PA, and my family moved to Maine when I was five years old. We lived there until I was 17, when we moved to Cary for my dad’s job.

**Special honors and awards:** Captain of the public school swim team (as a homeschooler); received the Honor Camper award at summer camp for being

a leader; Most-improved Swimmer award in high school.

**Educational plans:** I plan to transfer to NC State to major in communications and minor in criminology.

**Career plans:** My goal is to get my degree in communications and then go to the Police Academy. I’d like to become a detective to work for SVU (Special Victims) and Victims of Human Trafficking.

**Work experience:** I’ve held many jobs, and currently work as a server at a food/cinema establishment.

**Personal/Family:** I spent the last two summers in Africa, which has ignited

a passion for helping young orphans. I have volunteered at shelters and traveled to DC on Wake Tech’s Alternative Spring Break, helping people who are homeless.

**Hobbies:** Swimming, volunteering, hanging out with friends.

**Best thing about Wake Tech:** ...the teachers! I really like the student-teacher ratio, and it helps for a more personal experience.

**Advice for prospective – and current! – Wake Tech students:** Learn more about your school! Get involved! Getting involved can really make an impact, not only on your own life, but on the community’s as well!

# Simulations Yield High Returns for Business Students \$\$\$\$\$

Ten years after its exciting roll out, K Industries, Inc. boasts cumulative earnings of \$249 million – and founder Kellie Stanford is proud! As its highest-ranking decision-maker, Kellie has guided the company’s successful launch into the dynamic, emerging market of clean technology.



In actuality, K Industries is a simulation called CleanStart, and Kellie is a Wake Tech business student – one of more than 100 students who participated in business simulations at the college last semester. “I learned so much,” she says. “I learned that running a business has many components. And I learned how to interpret financial activity while keeping a close eye on employee and customer satisfaction.”

The CleanStart simulation, created by the MIT Sloan School of Management, allows students to

Stephen Pasquarella (left) and Kellie Stanford (bellow)

make the tough decisions necessary to build and expand a start-up business. Students set prices, decide how many employees to hire, and create salary and compensation packages that include stock options and profit sharing. Students are encouraged to try various strategies and monitor quarterly results, all in a risk-free environment. “This simulation allows students to make – and learn from – critical business decisions,” says instructor Tom Rankin. “It can be repeated until students have a strong grasp of what works and what doesn’t.”

Simulation is also used to allow Wake Tech business students to try their hand at managing a virtual stock market portfolio. With Market Watch, students start out with \$100,000 and must determine where to invest it for the highest return. They buy and sell stocks in real time and discuss strategies with their peers. Market Watch is one of more than 30 events sponsored by the SunTrust Center

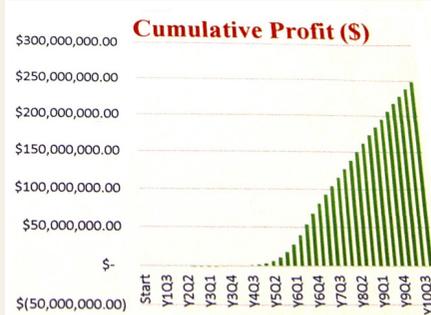
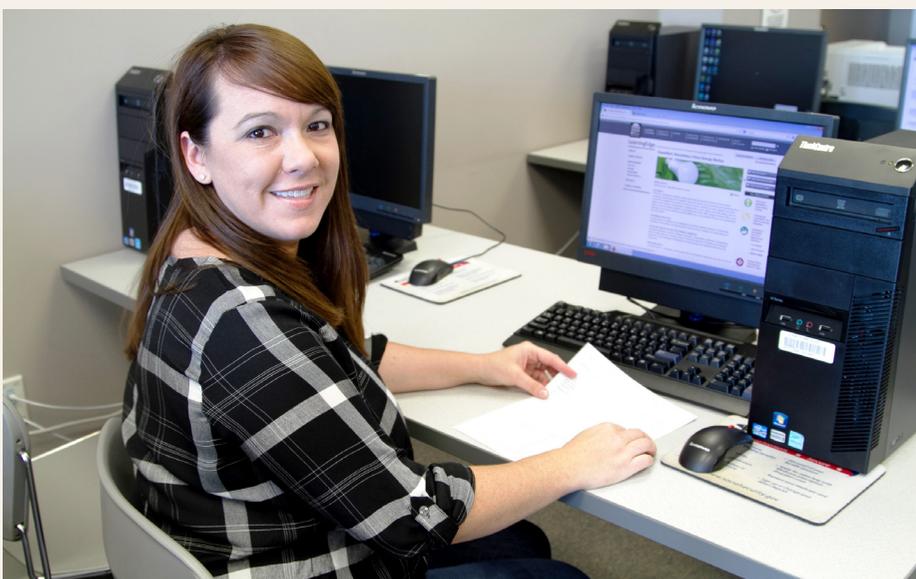
for Financial Education. The Center offers money management programs for students, employees, and the community.

Stephen Pasquarella has always had an interest in the stock market; he hopes to one day work on Wall Street. Thanks to a smart investment in the social media platform Twitter, Stephen’s virtual earnings last semester totaled \$60,696, and he earned the title of Market Watch Champion! “It’s a whole different ballgame when you’re investing real money – and have the chance of losing it,” Pasquarella says. “Market Watch gives me experience without the risk!”

Market Watch and CleanStart are offered to students in business courses and through the college’s Business Club. Many repeat the games several times. “Our students are learning business concepts through practice, in a safe environment. Their enthusiasm is contagious!” says department head Marilyn Terrill.

For more information about Business Administration at Wake Tech, visit [business.waketech.edu](http://business.waketech.edu).

For a complete list of programs and events sponsored by the SunTrust Center for Financial Education, visit [waketech.edu/financial-education](http://waketech.edu/financial-education).





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# Facts and Finds

## College majors with the best employment rates...

Engineers of all stripes top the list in employment after graduation, according to a 2014 survey by PayScale. The salary information firm surveyed 68,000 American workers to identify the fields where workers most frequently considered themselves fully employed and adequately compensated. Graduates in STEM fields face the least likelihood of feeling underemployed, either in terms of hours or wages.



## Fun & games

Think video games are a waste of time? Think again! An article in the journal Policy Insights from the Behavioral and Brain Sciences argues that action-packed games have particularly positive benefits. Psychology professors C. Shawn Green of the University of Wisconsin and Aaron R. Seitz of the University of California write that games with quickly-moving targets and large amounts of clutter, and those that require users to make rapid, accurate decisions have been linked to improving attention skills, brain processing, and other cognitive functions. Some complex video games are even more effective than so-called "brain games" created to specifically improve cognitive function. More evidence that students in Wake Tech's Simulation and Game Development program aren't just playing around!

## Look before you leap into college

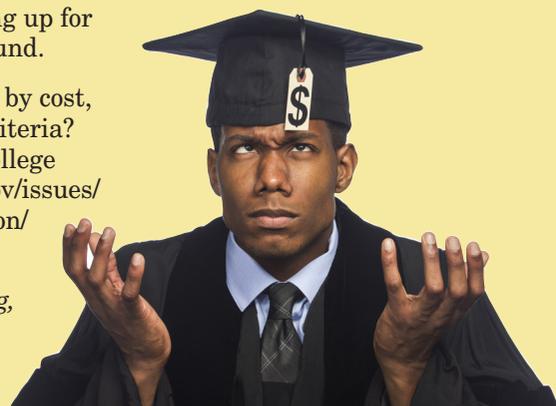
Nearly one in three graduates of for-profit colleges say the high costs of school weren't worth the education they got, according to a 2014 report by the non-profit research group Public Agenda. A parallel survey of community college students found they were significantly less stressed about finances than their for-profit counterparts.

One reason why is the difference in debt loads. A 2012 Senate investigation found that fully 96 percent of students at for-profit schools took out loans—a rate more than seven times that of students at community colleges!

Many for-profit students don't know the vast cost differences between colleges before enrolling. Just 39 percent of students at for-profit schools looked into more than one institution before attending, and only 20 percent considered a not-for-profit school before signing up for classes, Public Agenda found.

Want to compare colleges by cost, size, awards, and other criteria? Try the White House's College Scorecard: [Whitehouse.gov/issues/education/higher-education/college-score-card](http://Whitehouse.gov/issues/education/higher-education/college-score-card).

Sources: [Publicagenda.org](http://Publicagenda.org), [Whitehouse.gov](http://Whitehouse.gov)



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# Spring into Action!

## Refresh Your Career Goals

Spring – a new season of growth and transformation – and an excellent time to revisit and refresh your career goals! Whether you’ve been waiting all winter to launch an idea or feel newly inspired by the change of seasons, now is the time to renew your plans and take action.

Today’s college graduate can expect to have at least five careers in his or her work life. With shifting employment trends and a changing economy, job seekers must learn how to unlock their full potential to find a career path that fits their passions, strengths, and skills.

### Here’s a six-step “spring” approach to career success:

1. **Complete self-assessment tools** to ignite the process of finding a career pathway.
2. **Identify your skills**, abilities, values, and work preferences to find a good career match – one that offers what you want and need.
3. **Use career planning resources:** Career Coach matches the latest data on local jobs and wages with corresponding training programs at Wake Tech and can be found on Wake Tech’s website; Focus 2, a commercial software package, combines self-assessment, major and career exploration, and decision-making to help you define goals and make choices. Access to Focus 2 is offered at Wake Tech’s free Career Lens sessions, designed to “magnify your career vision.”
4. **Identify job-specific skills** and transferrable career competencies to get the attention of potential employers.
5. **Create a list of potential references**—people who can verify your skills and past performance at school, at work, or in volunteer roles.
6. **Get a move on!** Make positive changes to put your plan into action and move closer to your new career target. Be inspired by your own potential and the colorful adventures that await you!

Are you ready to try the “spring” approach to success? Wake Tech’s Career Lens sessions offer free self-assessment and career exploration, with career counselors to guide you through the process. They’re

offered throughout the week at many of our campuses – no reservation required!

For more information and Career Lens schedules, visit the Career and Employment Resources website at [careers.waketech.edu](http://careers.waketech.edu) or call 919-866-5424.

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# 7 Steps to Enroll at Wake Tech

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orientation.waketech.edu

**Complete an online application**  
admissions.waketech.edu

**Activate your student account**  
my.waketech.edu

Click "Activate Account" and follow prompts. This is the one login you'll need to access your account, register for classes, and receive official communication about your application status, financial aid, and more.

**Meet with an advisor**  
advising.waketech.edu

**Schedule a placement test**  
testingcenter.waketech.edu

**Request transcript(s)**  
Have high school and college transcripts, SAT scores, and/or ACT scores mailed to:  
Wake Technical Community College  
Admissions Office, 9101 Fayetteville Road, Raleigh, NC 27603

**Apply for financial aid and veterans benefits**  
financialaid.waketech.edu

## Now you're ready to register for classes!

**Browse class offerings and plan your schedule:** Visit [webadvisor.waketech.edu](http://webadvisor.waketech.edu) (user ID and password not required); Click **Future Students**, then **Search for Curriculum Sections** (Step-by-step instructions are available at [wainfo.waketech.edu](http://wainfo.waketech.edu))

Students planning to take online classes are required to complete the *Online Learning Readiness Assessment* before registering for an online course. Visit [eli.waketech.edu](http://eli.waketech.edu)

## To register for classes:

- Visit [webadvisor.waketech.edu](http://webadvisor.waketech.edu), click Log In and enter your Student Account User ID and password
- Select **Current Curriculum Students (Credit)**
- Under "Registration," click **Register for Sections** and follow the prompts to select classes
- **Pay for your classes** – online or on campus – before the deadline, and you're set!

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## Credentials Key:

**AAS** = Associate in Applied Science

**D** = Diploma

**C** = Certificate

## Wake Tech Community College A-Z

| Area of Study   | Credentials Offered | Prepares you for:  | Salary Median/Range |
|---|---------------------|--|---------------------|
| <b>Associate degrees for college transfer</b>                   |                     | Transfer to a senior institution: Associate in Arts (AA), Associate in Engineering (AE), Associate in Fine Arts – Art (AFA), Associate in Fine Arts – Music (AFA), or Associate in Science (AS)  |                     |
| <b>Accounting</b>   | AAS, D, C           | Careers that involve analyzing, processing, and communicating information about financial operations; workplaces include accounting firms, businesses, banks, hospitals, school systems, and government agencies.  | \$33,250 - \$44,000 |
| <b>Advertising and Graphic Design</b>                           | AAS, C              | Occupations in graphic design; job opportunities found in advertising agencies, graphic design studios, printing companies, department stores, manufacturing industries, newspapers, and businesses with in-house graphics operations.   | \$26,100 - \$74,700 |
| <b>Agricultural Systems Technology</b>                          | AAS, D              | Occupations involving troubleshooting and repair of agricultural equipment, including farm tractors, planters, sprayers, and harvesters; entry-level employment in agricultural systems equipment repair businesses.   | \$24,645 - \$47,598 |
| <b>Air Conditioning, Heating &amp; Refrigeration Technology</b> | AAS, D, C           | Employment as a technician trained to design, install, and service air conditioning, heating, and refrigeration equipment; work with residential and light commercial systems, including start-up and preventive maintenance.  | \$29,472 - \$46,964 |
| <b>Architectural Technology</b>                                 | AAS, C              | Positions that involve the preparation of construction documents, including environmental and structural systems, materials and methods, and building codes; employment in the architectural, engineering, and construction professions.   | \$26,434 - \$47,319 |
| <b>Automotive Systems Technology</b>                            | AAS                 | Employment as an automotive services technician; workplaces include car dealerships, repair shops, and other automotive service organizations; eligibility to take Automotive Service Excellence (ASE) exam.   | \$26,379 - \$40,157 |
| <b>Baking &amp; Pastry Arts</b>                                 | AAS, D, C           | Occupations including baking/pastry assistant or assistant pastry chef in restaurants, hotels, independent bakeries, and pastry shops; opportunities in entrepreneurship or for advancement to pastry chef, cake designer, or bakery manager.                                    | \$25,000 - \$51,000 |
| <b>Biopharmaceutical Technology</b>                             | AAS, C              | Careers in pharmaceutical manufacturing, chemical quality assurance, microbiological quality assurance, product inspection, documentation review, manufacturing, and product/process validation.   | \$24,568 - \$45,082 |
| <b>Business Administration</b>                                  | AAS, C              | Professions in business involving marketing, sales, customer service, finance, or business management in public, private, profit, and nonprofit organizations.   | \$48,080 - \$82,310 |
| <b>Business Administration/ Global Business Management</b>      | AAS, C              | A career focused on managing and leading in a global economy to include positions in public, private, profit and non-profit organizations.   | \$31,000 - \$82,300 |
| <b>Business Administration/ Human Resources Management</b>      | AAS, C              | Positions in human resources departments, including recruitment, staffing, training, compensation, and human resources development; work in public, private, profit, and non-profit organizations.   | \$34,400 - \$56,600 |
| <b>Business Administration/ Marketing</b>                       | AAS, C              | A career in marketing to include opportunities in advertising, sales, social media marketing, marketing research and application; working in public, private, profit and non-profit organizations.   | \$31,000 - \$46,000 |
| <b>Business Analytics</b>                                       | AAS, C              | A career as a business analyst with the ability to analyze and propose methodologies which help firms increase profitability in diverse industries, including health care, marketing, information technology, and finance. Graduates qualify to sit for SAS certification exams. | \$35,000 - \$60,000 |
| <b>Civil Engineering Technology</b>                             | AAS, C              | A position as an office or field technician involved in construction management, site planning, construction layout, site inspections or materials testing; employment in public and private sectors of the engineering and construction industry.                               | \$26,892 - \$59,321 |

| Area of Study  | Credentials Offered | Prepares you for:   | Salary Median/Range  |
|--|---------------------|---|----------------------|
| <b>Computed Tomography - CT</b>  | <b>C</b>            | Occupations involving skilled use of specialized equipment to visualize cross-sectional anatomical structures and aid physicians; eligibility for the American Registry of Radiologic Technologists testing. (Advanced-Level)   | \$54,184 - \$67,600  |
| <b>Computer Information Technology</b>                                     | <b>AAS, C</b>       | Careers in systems maintenance, troubleshooting, support, training, business applications design and implementation; opportunities for advancement and skill building, often through employer-sponsored training.   | \$24,230 - \$75,071  |
| <b>Computer Programming</b>  | <b>AAS, C</b>       | Employment as a computer programmer, analyst, software developer, software tester, systems technician, database specialist, or information systems manager in business, industry, or government agencies.   | \$64,000 - \$118,000 |
| <b>Computer Technology Integration - Data Storage &amp; Virtualization</b> | <b>AAS</b>          | Industry-specific certification exams; careers in computer technology involving datacenter technologies, virtualization methods, and large-volume storage centers; work as designers, testers, developers, or support technicians in organizations which rely on computer systems to design and manage information. | \$35,000 - \$85,000  |
| <b>Computer Technology Integration - Healthcare Business Informatics</b>   | <b>AAS</b>          | Positions supporting healthcare organizations that implement, deploy, and support healthcare IT systems in U.S. clinical settings; eligibility to take certification exams for various healthcare network environments.   | \$35,000 - \$85,000  |
| <b>Construction Equipment Systems Technology</b>                           | <b>AAS, D, C</b>    | Employment in construction equipment systems troubleshooting and repair; work on equipment including dozers, scrapers, loaders, and forklifts; entry-level employment in construction equipment repair businesses.  | \$25,000 - \$45,000  |
| <b>Construction Management Technology</b>                                  | <b>AAS, C</b>       | Job opportunities including construction project manager, superintendent, foreman, or estimator in the residential or commercial construction industry.   | \$34,253 - \$43,210  |
| <b>Cosmetology</b>   | <b>AAS, D</b>       | Careers in cosmetology, providing professional imaging, hair design, chemical processes, skin care, and nail care in salons and spas; graduates qualify to sit for the State Board of Cosmetic Arts exam.   | \$15,962 - \$47,383  |
| <b>Criminal Justice Technology</b>   | <b>AAS, C</b>       | Professions in law enforcement, corrections, and security fields; positions include police officer, deputy sheriff, county detention officer, state trooper, parole surveillance officer, correctional officer, and loss prevention specialist.   | \$32,508 - \$56,319  |
| <b>Criminal Justice Technology/Latent Evidence</b>                         | <b>AAS, C</b>       | Employment as a crime scene technician/processor (first responder) with skills in collection and preservation of evidence, sketching crime scenes with CAD software, and analysis, lifting, classification, and preservation of fingerprints.   | \$34,410 - \$56,360  |
| <b>Culinary Arts</b>   | <b>AAS, D, C</b>    | Employment as a trained professional in food service with potential advancement to sous-chef, executive chef, or manager in restaurants, resorts, or as a business owner; American Culinary Federation certification is available to graduates.   | \$23,000 - \$55,000  |
| <b>Database Management</b>   | <b>AAS, C</b>       | Jobs in administrative, development, or data warehousing; positions include database analyst, specialist, administrator, .NET developer, or web application developer.  | \$71,888 - \$105,800 |
| <b>Dental Assisting</b>  | <b>D</b>            | Career classification as a DA II by the NC State Board of Dental Examiners, eligibility to take the Dental Assisting National Board Examination to become a Certified Dental Assistant (CDA); employment in dental offices, clinics, and dental schools.  | \$35,390 - \$50,544  |
| <b>Dental Hygiene</b>  | <b>AAS</b>          | Professions involving the assessment, planning, implementation, and evaluation of dental hygiene services; eligibility to take the state/regional and national exams for licensure; work in dental offices, public health agencies, and dental schools.   | \$57,200 - \$74,526  |
| <b>Diesel and Heavy Equipment Technology</b>                               | <b>AAS, D</b>       | Jobs in vehicle repair businesses; entry-level troubleshooting and repair of medium- and heavy-duty vehicles, including repair of engines, electrical and hydraulic systems, transmissions, brakes, and steering/suspension systems.  | \$29,261 - \$54,105  |
| <b>Early Childhood Education</b>   | <b>AAS, D, C</b>    | Professions working with children in learning environments, including family child care homes, preschools, public and private schools, recreational centers, Head Start programs, child development programs, and programs for school-aged children.  | \$20,300 - \$45,300  |
| <b>Electrical Systems Technology</b>                                       | <b>AAS, D, C</b>    | Positions in the electrical profession, assisting in the layout, installation, and maintenance of electrical systems in residential, commercial, and industrial facilities.   | \$28,000 - \$49,282  |
| <b>Electronics Engineering Technology</b>                                  | <b>AAS, C</b>       | Occupations designing, building, installing, testing, troubleshooting, and repairing electronic components and systems; positions include electronics engineering technician, field service technician, maintenance technician, or production control technician.   | \$32,500 - \$66,470  |
| <b>Emergency Medical Science</b>   | <b>AAS</b>          | Employment as a paramedic, with knowledge and skills in basic and advanced life support; eligibility for state and national certification exams; workplaces include fire and rescue agencies, air medical services, urgent care centers, and physician practices.   | \$25,625 - \$37,585  |
| <b>Environmental Science Technology</b>                                    | <b>AAS, C</b>       | Jobs involving biological and chemical laboratory testing and analysis of environmental samples for the health and safety of people and the ecosystem; positions in water treatment, safety, hazardous waste and site remediation, and environmental education.   | \$26,794 - \$43,875  |
| <b>Esthetics</b>   | <b>C</b>            | Performing skin care, makeup application, scientific manipulations, and electrical applications; work environments include day spas, salons, medical practices, cruise ships, and destination resorts.  | \$24,300 - \$36,000  |
| <b>Fire Protection Technology</b>  | <b>AAS, C</b>       | Careers in fire protection and safety, with governmental agencies, industrial firms, insurance rating organizations, and municipal fire departments. Program also serves as a basis for continued education toward management positions.  | \$30,000 - \$40,000  |
| <b>Geomatics Technology</b>  | <b>AAS, C</b>       | A position as a survey crew chief, instrument operator, or office technician/CAD operator; involved in construction, GPS, boundary, and topographic surveying and mapping; employment in the surveying, engineering, or construction industry.  | \$33,483 - \$48,913  |
| <b>Global Logistics Technology</b>   | <b>AAS, C</b>       | Careers involving the production, movement, and distribution of materials and goods around the globe; employers include government agencies, manufacturing, retail, and service organizations   | \$31,000 - \$50,000  |
| <b>Global Logistics Technology/Distribution Management</b>                 | <b>AAS, C</b>       | Logistics positions that include warehousing, distribution, materials management, transportation, and logistics analysis; employers include government agencies, manufacturing, retail, and service organizations   | \$31,000 - \$50,000  |
| <b>Health and Fitness Science</b>  | <b>AAS</b>          | Positions in health and wellness programs in commercial fitness clubs, business, industry, YMCAs/YWCAs, parks, recreation, and other organizations with exercise & fitness programs.  | \$24,960 - \$41,600  |
| <b>Heavy Equipment Operator</b>  | <b>D</b>            | Jobs that require driving, maneuvering, or operating heavy equipment, including backhoes, excavators, and dozers, which are used to construct roads, bridges, and buildings; employment in the construction industry or with government agencies.   | \$34,750 - \$48,480  |
| <b>Hospitality Management</b>  | <b>AAS, D, C</b>    | Careers in the food and lodging industry including front office, reservations, housekeeping, purchasing, dining room, and marketing; entry-level, supervisory, and managerial employment in hotels, motels, resorts, inns, restaurants, and clubs.  | \$28,640 - \$51,030  |
| <b>Human Services Technology</b>   | <b>AAS</b>          | Entry-level positions in institutions and agencies that provide social, community, and educational services, including mental health, child care, rehabilitation, and education.  | \$25,140 - \$34,750  |

| Area of Study                                 | Credentials Offered | Prepares you for:  | Salary Median/Range  |
|---|---------------------|--|----------------------|
| Human Services Technology/<br>Substance Abuse | AAS, C              | Employment as substance abuse counselors, DWI counselors, halfway house staff, residential facility employees, and substance abuse education specialists in facilities that provide these services.  | \$25,140 - \$40,400  |
| Human Services Technology/<br>Mental Health   | AAS                 | Entry level positions including treatment assistant, community liaison, or behavioral disorder counselor; work in mental health settings assisting a treatment team or implementing treatment plans.   | \$28,850 - \$38,520  |
| Information Systems Security                  | AAS, C              | Employment as security administrator who utilizes networking technologies, intrusion detection, security administration, and industry best practices to protect data communications; eligibility to pursue security certification.   | \$46,838 - \$105,750 |
| Interior Design                               | AAS                 | Careers in commercial and residential interior design, set design, and/or showroom design, with training in professional practices, aesthetic principles, computer-aided design, color theory, and business practices.   | \$23,691 - \$44,862  |
| Lateral Entry Teaching                        | C                   | Lateral Entry Teaching in NC Public Schools at the middle- or high-school level; program consists of coursework needed to become licensed by the NC Department of Instruction. Applicants must have a bachelor's degree and meet additional criteria.                        | \$37,710 - \$41,760  |
| Magnetic Resonance Imaging<br>(MRI)           | D                   | Employment as an MRI technologist who uses magnetic energy fields to produce images of the human body in health care facilities; eligibility to take the American Registry of Radiologic Technologists (ARRT) examination for certification and registration.                | \$54,184 - \$67,600  |
| Mechanical Drafting Technology                | AAS, D, C           | Careers involving the use of computer applications to produce drawings of mechanical parts, mechanisms, and components of mechanical systems; employment in mechanical manufacturing, fabrication, research and development, and service industries.                         | \$38,551 - \$48,186  |
| Mechanical Engineering<br>Technology          | AAS, C              | Employment as a mechanical technician, assisting in the design, development, testing, and repair of mechanical equipment for manufacturing, fabrication, research and development; careers involving skills to design, invent, and troubleshoot products.                    | \$34,155 - \$47,036  |
| Medical Assisting                             | AAS, D              | A career as a health care professional who performs administrative, clinical, and laboratory procedures in physicians' offices and hospitals; eligibility to sit for the American Association of Medical Assistants Certification Examination - CMA (AAMA).                  | \$29,600 - \$35,573  |
| Medical Laboratory Technology                 | AAS                 | Careers performing laboratory procedures used in the diagnosis and treatment of disease; work in hospitals, laboratories, and research facilities; eligibility for National Certification exam by the Board of Certification of the American Society for Clinical Pathology. | \$35,692 - \$57,720  |
| Medical Office Administration                 | AAS, D, C           | Medical administrative support positions, including medical records clerk, insurance specialist, and patient services representative; workplaces include healthcare facilities, insurance billing offices, labs, and manufacturers of medical equipment.                     | \$25,000 - \$36,400  |
| Networking Technology                         | AAS, C              | Positions supporting local- and wide-area networks; employment as local-area network manager, network operator, network analyst, or network technician; eligibility to take certification examinations for various network environments.                                     | \$35,088 - \$98,640  |
| Nursing, Associate Degree                     | AAS                 | A career as a registered nurse, upon successful completion of the National Council Licensure Exam (NCLEX); workplaces include hospitals, long-term care facilities, clinics, physicians' offices, industry, and community agencies.  | \$43,347 - \$68,430  |
| Office Administration                         | AAS, D, C           | Professions in entry-level to middle management administrative support, responding to the demands of a dynamic, computerized workplace; employment opportunities in business, government, and industry.  | \$28,500 - \$43,430  |
| Office Administration/Legal                   | C                   | Administrative positions in private legal practices involving real estate and estate planning, corporate legal departments, and city, state, and federal government offices.   | \$28,500 - \$35,000  |
| Pharmacy Technology                           | AAS, D              | Employment as pharmacy technicians who assist licensed pharmacists; work in hospitals, long-term care, and medication therapy management pharmacies; eligibility to take national exam to become Certified Pharmacy Technician.  | \$20,100 - \$31,387  |
| Phlebotomy                                    | C                   | Careers in the field of phlebotomy, obtaining and transporting blood and other specimens for laboratory analysis; eligibility for national certification as a phlebotomy technician; work in hospitals, clinics, laboratories, and other health care settings.               | \$26,728 - \$34,049  |
| Plumbing                                      | D,C                 | Jobs assisting with the installation and repair of plumbing systems in residential and small commercial buildings; employment with maintenance companies, plumbing contractors, and parts suppliers.   | \$29,076 - \$48,682  |
| Radiography                                   | AAS                 | A career as a radiographer, who uses radiation to produce images of the human body; work in hospitals, clinics, or physicians' offices; eligibility to take the American Registry of Radiologic Technologists' national exam for certification.                              | \$40,684 - \$60,944  |
| Simulation and Game<br>Development            | AAS, D, C           | Careers as designers, artists, animators, programmers, testers, quality assurance analysts, engineers, or administrators in the entertainment industry, health care, education, corporate training, and government agencies.   | \$40,100 - \$78,000  |
| Surgical Technology                           | D                   | Employment as a skilled member of a surgical team; job opportunities in labor and delivery, emergency, inpatient/outpatient surgery centers, dialysis units, and physicians' offices.  | \$34,049 - \$44,824  |
| Therapeutic Massage                           | D                   | Occupations providing client care through therapeutic massage; workplaces include medical practices, athletic settings, spas, and private practices; eligibility to take the MBLEx and apply for a North Carolina license.   | \$30,534 - \$54,600  |
| Web Technologies                              | AAS, D, C           | Careers using distributed computing to disseminate and collect information via the Web; employment as designers, administrators, or developers in web applications, websites, and related areas of distributed computing.  | \$38,000 - \$90,000  |
| Welding Technology                            | AAS, D, C           | Jobs in the welding and metalworking industry; employment as an entry-level technician in construction, manufacturing, fabrication, sales, and quality control environments.   | \$30,447 - \$40,255  |

\*Sources: U.S. Department of Labor, [www.bls.gov](http://www.bls.gov); [www.salary.com](http://www.salary.com), [www.cbsalary.com](http://www.cbsalary.com), [www.naceweb.org](http://www.naceweb.org), and employer surveys. Salaries may vary based on experience, education, and location.

# Wake Tech Rocks!

## Students Learn From New Outdoor Geology Labs

Two unique, hands-on learning environments are now just “a stone’s throw” away for students on Wake Tech’s Main and Northern Wake campuses. The Outdoor Geology Labs are made up of 26 boulders from 11 quarries across North Carolina, representing the state’s varied geological makeup from mountains to sea. They were donated by manufacturing giant Martin Marietta, an avid supporter and vital community partner of Wake Tech, as part of a multi-year gift to the Wake Tech Foundation.

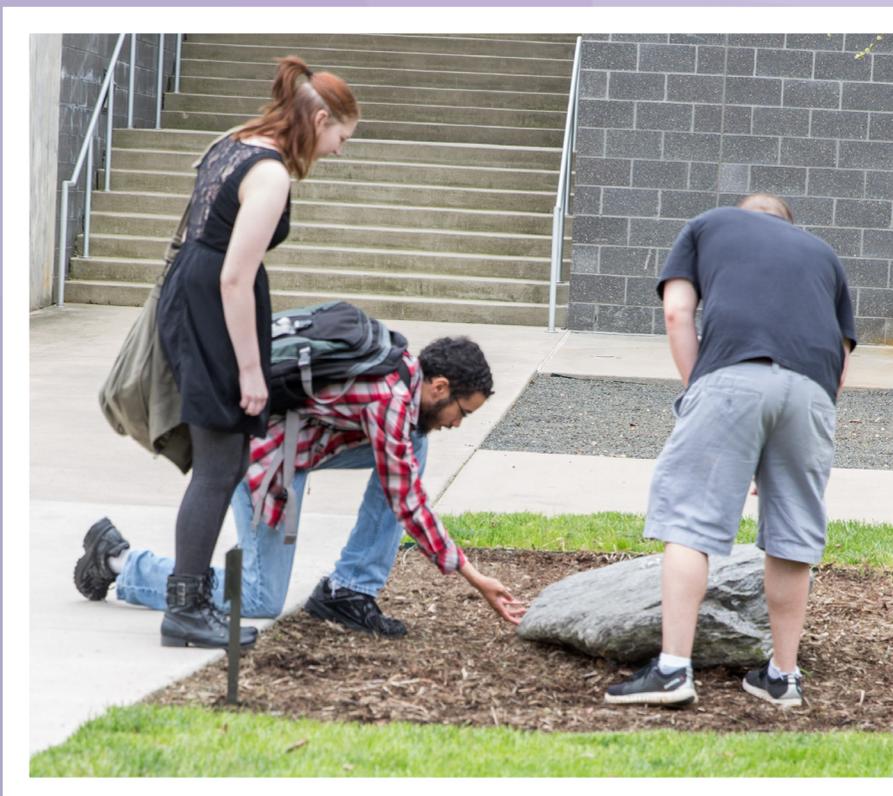
The labs are appropriately named “Mountains to the Sea Outdoor Geology Lab Pathway” and provide students with hands-on learning experiences to reinforce classroom instruction in geology.

“The boulders have added an important dimension to the study of geology at Wake Tech,” said Associate Professor Sara Rutzky. “Students can now get to know the characteristics and properties of what they’re reading and talking about in class. The visual and tactile experiences they have in the outdoor labs are extremely valuable in understanding geology.”

“We’re delighted to be part of what you’re building here at Wake Tech,” said Ward Nye, Chairman and CEO at Martin Marietta. “The college produces skilled workers, and that benefits not only our company, but our community as well.”

“How fortunate we are to have partners like Martin Marietta,” said Mort Congleton, Executive VP of College Development, Foundation & Communications at Wake Tech. “Collaboration of this kind is visionary – it brings resources together in innovative ways that benefit students and faculty and have a ripple effect on our entire region.”

Partnerships like this allow the Wake Tech Foundation to fulfill its mission of finding the resources Wake Tech needs to serve students and enrich their lives. Foundation partnerships are just one of the reasons Wake Tech rocks! For more information, visit [foundation.waketech.edu](http://foundation.waketech.edu).



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~Susan Petty, 2015-2016 Scholarship Recipient

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