

CareerFocus

**CONSIDER A
CAREER...
AS AN
ENGINEER!**

PAGE 2

THE SKILLS GAP
CLOSING THE GREAT DIVIDE
PAGE 6

**COLLEGE TRANSCRIPTS:
NOT JUST FOR GRADES ANYMORE**
PAGE 8

**FOUNDATION FOR A
NEW CAREER**
INSIDE BACK COVER

Spreading Their Wings: The Wake Tech Eagles Reach New Heights

The Wake Tech Eagles are making a name for themselves! This spring, for the first time in team history, the Eagles baseball team surged into the National Junior College Athletic Association (NJCAA) DII Top 10. They climbed as high as #8 in the nation and did great at the Conference Tournament! Coach Chris Kiec credits a balanced offense and defense for their strong season. “We’re excited about playing at a high level,” he says. “Wake Tech is a great option for local players from an academic and baseball perspective.”



Follow all the action at
athletics.waketech.edu

The Eagles volleyball team also had a strong season. “We had an outstanding team,” says Head Coach Stephanie Sports. “Each player was

focused on improving and winning as a unit from day one until the end of the season.” The accolades prove it: The program had 32 wins for

the season (a first!), freshman star Saraya Klink was selected Second Team All-American by the NJCAA, two sophomores are moving on to play at four-year schools, and Coach Sports was named Region X Coach of the Year. Coach Sports predicts next fall’s team to be a contender on the national level. “We earned a reputation for being among the best in our region. Every team will bring their A-game when they play us this fall.”

You can follow all the action as the Eagles aim to build a legacy of academic achievement and athletic success by visiting athletics.waketech.edu. You can also find Wake Tech Athletics on Facebook and Twitter: @waketechsports. Go Eagles!



Saraya Klink

Making a Plan Bria King, Class of 2015

“Wake Tech has done so much for me. I think it was a wise decision.”

Coming out of high school, Bria King knew she wanted to go to college but wasn’t sure what degree she wanted to pursue. Instead of trying to figure that out at a university, Bria chose to stay close to home and save money by attending Wake Tech. “I didn’t really have a plan,” she says, “so I decided Wake Tech would be the best option for me.”

Bria sought guidance from her academic advisor at Wake Tech and soon zeroed in on Business Administration. Meanwhile, she immersed herself in campus life,

seizing numerous leadership opportunities: She served as public information officer for the Student Government Association, volunteered as a New Student Orientation Leader, and was inducted into the National Honor Society for Leadership and Success.

Bria graduated in May 2015 with an associate’s degree in Business Administration as well as certificates in customer service, entrepreneurship, and international marketing. She also had an acceptance letter from William Peace University, her first choice of

schools. Bria plans to further her interest in business by pursuing a bachelor’s degree in Leadership and Management Studies.

Could Bria have been successful at a four-year university right after high school? Sure. But the small classes and individualized attention she found at Wake Tech helped her gain confidence and decide what career pathway she wanted to pursue. Her time at Wake Tech also allowed her to build a strong academic record, enhancing her university applications and resulting in acceptance at her



Creating Success
Hope • Opportunity • Jobs

school of choice. “I’m really glad I came here,” Bria says. “Wake Tech has done so much for me. I think it was a wise decision.”

CareerFocus 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.

Publisher..... Dr. Stephen C. Scott
President, Wake Technical Community College

Managing Editor..... Laurie Clowers

Editor..... Marilyn McNeely

Contributors..... Michelle Fauver, Natalie Heath,
Joshua McKinney, Sheree Ward

Graphic Design..... Chris Clark, Stephen Coppedge,
Veronica Lawton, Francie Sanderson

Photography..... Chris Clark, Stephen Coppedge,
Michelle Fauver, Geof Levine

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CareerFocus™

COVER STORY

- 2 Consider a Career... as an Engineer!
- 4 Manufacturing Milestone: New Advanced Manufacturing Center Offers Training Options

SPOTLIGHT

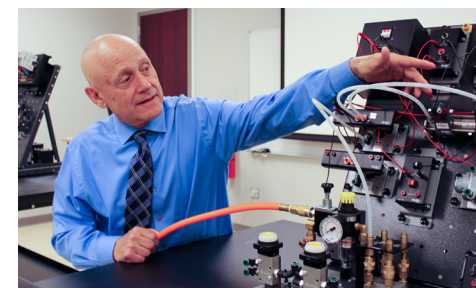
- 5 Alumni Spotlight: Pat Poe
- 6 The Skills Gap Closing the Great Divide
- 7 Facts and Finds
- 8 College Transcripts: Not Just for Grades Anymore New Co-Curricular Transcripts Offer a More Complete Picture

REGISTRATION

- 9 7 Steps to Enroll at Wake Tech

WAKE TECH A TO Z

- 10 Let Your Star Shine at Wake Tech!
- 13 Foundation for a New Career



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waketech.mycareerfocus.org

On the cover:

Matt Roberts received an Associate in Science/pre-major Engineering degree in May 2015. He was accepted to his top three university choices – NC State, Georgia Tech and Virginia Tech – and plans to pursue a career in Aerospace Engineering.



From the President

Welcome! A community college education is an excellent foundation for your future – whatever your needs or goals. Our degree, diploma, and certificate programs offer options for everyone.

Seeking employment? Dreaming of greater job satisfaction or a whole new career? Discover all that Wake Tech has to offer. We can help you acquire the skills to land the job you want, earn a promotion, or enter a new field.

Planning to continue your studies? Our College/University Transfer programs offer a seamless transition to a wide range of four-year institutions – and we're adding new options all the time. This issue highlights our new Associate in Engineering degree and our new co-curricular transcripts, official records of extra-curricular activities that can give you a competitive edge.

Need help financing your higher education, or navigating the landscape? The Wake Tech Foundation offers scholarships, and many other financial aid options are available. Our Student Services Division has academic and career counseling, tutoring, and other resources to help.

Our day, evening, and Saturday classes can fit any schedule, and our programs are offered on multiple campuses – and online!

Let us help you build the foundation for a great future.

Dr. Stephen C. Scott
President



Matt Roberts

Consider a Career... as an Engineer!

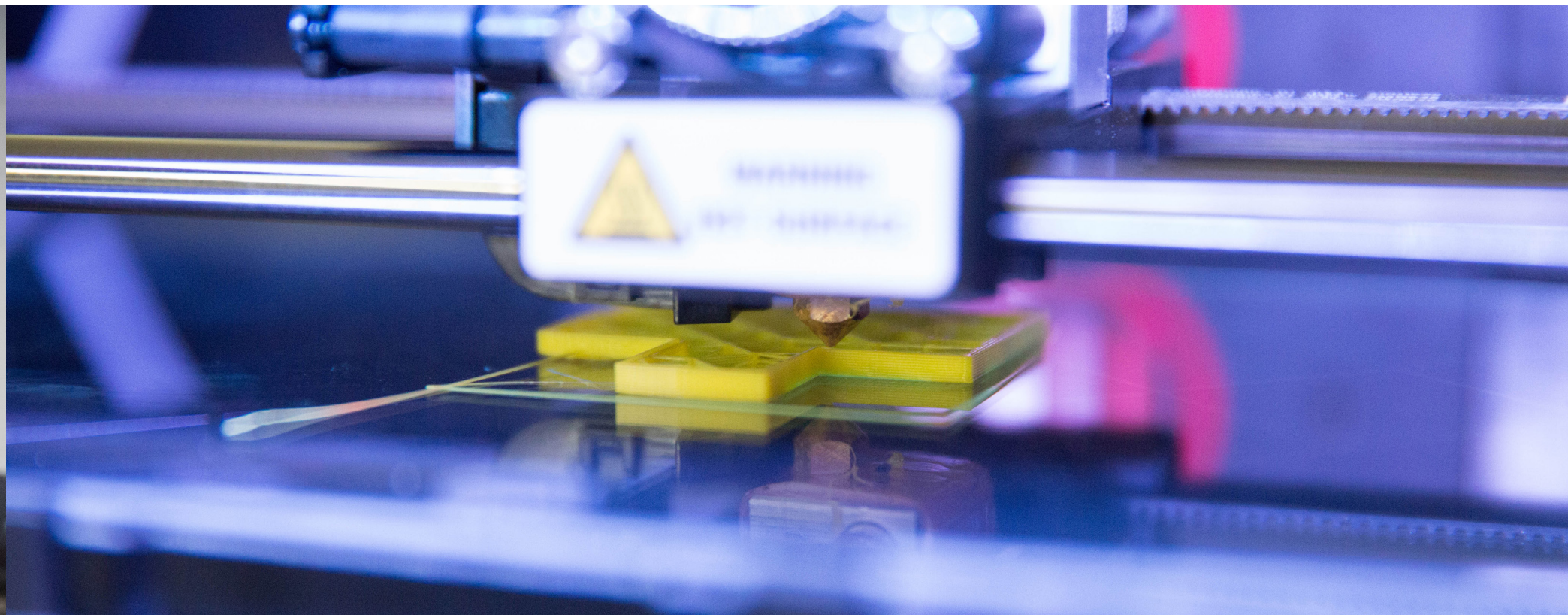


Allison French

Are you creative? Inquisitive? Have a good imagination? Do you enjoy figuring out how things work and making them work better? If you answered “yes” to any of these questions, a career in engineering may be something to consider!

Engineers design, test, and improve items as varied as household appliances, computer chips, and cars. The profession is diverse, encompassing everything from bridge and road design to developing sound systems and finding new sources of energy. Engineers are crucial to improving our quality of life – individually and globally. President Obama’s 2015 budget included funding to encourage more people to become engineers “who will support American innovation.”

Most entry-level jobs in the field require a four-year engineering degree, but Wake Tech Community College offers an economical new way to accomplish that. Students can earn an Associate in Engineering (AE) degree and transfer seamlessly to a university to complete a bachelor’s degree. Wake Tech is among the first in North



Carolina to offer the AE program. It includes the calculus, chemistry, physics, and other engineering courses required for a bachelor's degree in engineering along with specialized training in computer software and 3-D printing. Six UNC System schools currently offer Engineering bachelor's degrees and will accept the AE degree: NC State University, East Carolina University, North Carolina A&T, UNC-Charlotte, UNC-Asheville, and Western Carolina University.

An associate's degree typically takes two years to complete for full-time students; the AE could take longer when pre-requisite courses in math and science are needed. But Department Head Susan Meardon says it's an exciting option for students: "The new Associate in Engineering degree offers a seamless transfer for students who want to earn a bachelor's degree. It allows them to live at home, save money, and learn in smaller classroom settings before moving on to larger institutions."

Matt Roberts graduated in May with an Associate in Science/pre-major Engineering degree, the predecessor to the new AE degree. He was accepted to his top three university choices – NC State, Georgia Tech and Virginia Tech – and hopes to earn a bachelor's and then a master's degree in Aerospace Engineering. His goal? To work on airplanes and help make them more fuel efficient. He says he's glad he started at a community college: "It's closer to home and less expensive. It's the same coursework as a university, so why not take advantage of that!"

In addition to Aerospace Engineering, Wake Tech's new AE degree provides the essential foundation courses for a number of engineering fields, including Biological, Civil, Electrical, Mechanical, Biomedical, Chemical, Nuclear and Industrial. And with a bachelor's degree, earning potential is significantly higher. The median starting salary in many engineering fields, according to the Bureau of Labor Statistics, is \$70,000 or higher.

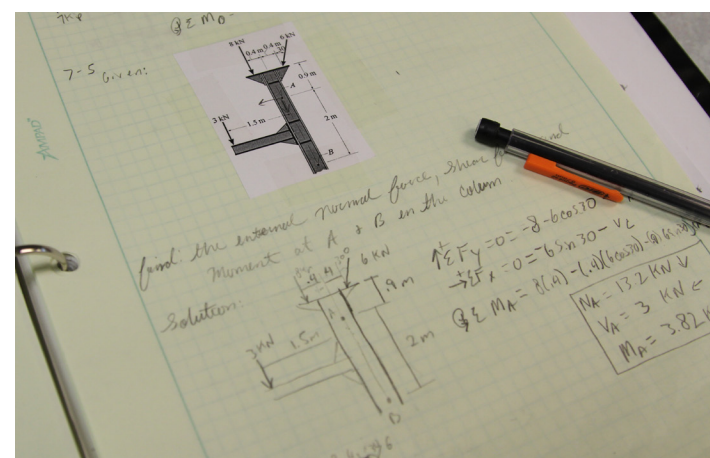
Wake Tech will continue to offer the Associate in Applied Science degree for students who plan to go to work immediately instead of continuing at a university. The AAS degree is a two year degree program for Engineering Technicians. Students can complete course work or certifications in a number of technical fields. These Engineering Technology programs include the AAS in Civil, Electronics, Industrial, and Mechanical.

Whether the goal is an advanced degree or immediate employment, students are discovering that Wake Tech is a great place to study engineering. Garner High School graduate Allison French has loved Legos since she was a kid: "I love building things," she says. "It wasn't until I came to Wake Tech that I realized I could turn that interest into an engineering career!"

Wake Tech faculty include experienced engineers who are dedicated to student success. They encourage students to explore their creativity while learning how to be detail-oriented and work in teams. Students also sharpen communication skills, both written and oral, essential tools for success as an engineer.

Engineers make life better. So can you!
engineering.waketech.edu

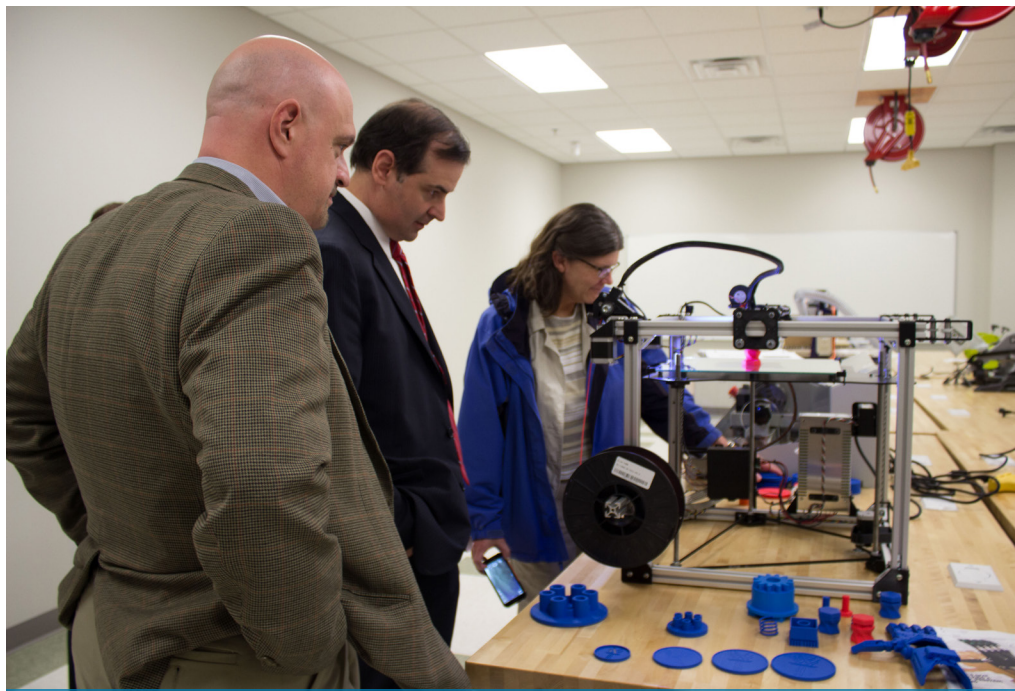
“It's closer to home and less expensive. It's the same coursework as a university, so why not take advantage of that!”



High-Paying Engineering Jobs

Engineering Disciplines	Average Annual Salary
Aerospace Engineer	\$130,720
Petroleum Engineer	\$130,280
Computer Hardware Engineer	\$100,920
Nuclear Engineer	\$104,270
Chemical Engineer	\$ 94,350
Biomedical Engineer	\$86,960
Mechanical Engineer	\$80,580
Environmental Engineer	\$80,890
Civil Engineer	\$79,340
Industrial Engineer	\$78,860

Source: bls.gov



Manufacturing Milestone:

New Advanced Manufacturing Center Offers Training Options

Wake Tech's first Advanced Manufacturing Center is a 3,000-square-foot, one-stop shop offering hands-on training in basic and advanced machining, automation, and circuit board technologies. The center provides a customized training space for Wake County business and industry – and for anyone preparing for a high-tech career.

"Today's machines are increasingly complex," says Bill Terrill, Wake Tech's Director of Industry Training. "To understand how they work, you need hands-on experience in taking them apart and putting them back together."

Wake Tech is well-established as a source of hands-on training for the region's workforce, but until now that training has been delivered to companies on site in their facilities. The Advanced Manufacturing Center provides a dedicated space within the new, conveniently-located Beltline Education Center on Bush Street in Raleigh, allowing Wake Tech to offer classes to more people. The new center also gives students more options, as many of the classes provide college credits toward an associate's degree in Mechanical or Electronics Engineering Technology.

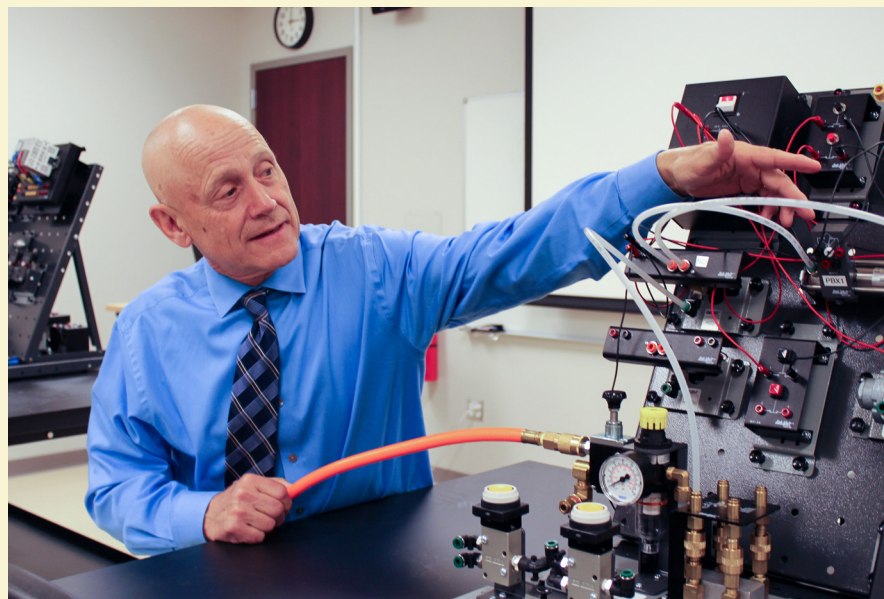
"Wake Tech has been a valued partner in preparing people to thrive in our technology-driven

business," said Mary Hennessey, Human Resources Manager at Unilin North America's Garner facility, which produces Pergo® brand laminate flooring. "The addition of an Advanced Manufacturing Center adds

significantly to Wake Tech's capacity to fill high-demand jobs at our growing organization."

The Advanced Manufacturing Center's three main areas of study are:

- Basic and Advanced Machining: Cutting-edge equipment, including a 3D printer, prototyping machine, CNC router and vertical mill, and laser alignment.
- Automation Lab: Hands-on equipment for hydraulics, pneumatics, PLC, mechanical, and electrical systems.
- Circuit Board Training: A partnership with Circuit Technology Inc. provides training opportunities for soldering, crimping, schematics, and IPC Certification prep.



For more information, contact Bill Terrill at witerrill@waketech.edu or 919-335-1006.



New! Wake Tech's Beltline Education Center

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Alumni Spotlight: Pat Poe

“I love Wake Tech! The college provided me with a skill that transferred to a job. It helps people help themselves, improves lives, and makes our community stronger.”

Pat Poe is a long-time Raleigh resident with a strong commitment to both the college and the community. From volunteering to philanthropy, Pat has always been an avid supporter of education and the arts. She says it all began more than 30 years ago, after a university experience that didn't pan out: “I was struggling, money was tight, and I didn't know what I wanted to study. I realized I wanted skills that would translate into a job.” Pat enrolled at Wake Tech (then W.W. Holding Technical Institute) in 1970. She excelled in computer studies, earned an associate's degree in business data processing, and had a successful career as a computer programmer.

Pat went on to raise a family and decided to pursue her “true passion”: interior design. She quit her programming job, completed her bachelor's degree, and earned a master's. In 2009, decided she wanted to know more. She

returned to Wake Tech for another associate's degree, this time in architecture. Three years later, Pat started a design firm, La Mia Bella Casa, adding business owner to her list of accomplishments. Despite the demands of her entrepreneurial venture, Pat – a self-described lifelong learner – has continued to take classes at Wake Tech. “This college is bringing me up to speed on an industry that has changed dramatically over the years.”

In 2014, Pat took on a new role at Wake Tech when she was asked to serve on the Foundation Board of Directors. She says the position allows her to give back: “I love Wake Tech!” she says. “The college provided me with a skill that transferred to a job. It helps people help themselves, improves lives, and makes our community stronger.”



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The Skills Gap

Closing the Great Divide

From politicians to economists, lots of people are talking about the so-called “skills gap” these days. Companies are moving here, but they sometimes have a hard time finding workers with the skills they need. The most sought-after skills, from advanced manufacturing to information technology, are not the same as they were 10 years ago – or even five. The economy is changing. Technology is evolving. Workforce skills must change, too, to keep pace and to keep our region competitive.

In many industries, the gap is especially wide in highly-skilled areas such as information technology, biotechnology, and business. “We’re always focused on addressing the workforce needs of our community,” says Wake Tech President Dr. Stephen Scott. “That’s why Wake Tech studies industry growth across Wake County – so that we can provide the training that is critical to support that growth. Recently, for example, we’ve added training programs in 3-D printing, mission critical operations, and advanced manufacturing.” He says future plans include expansion in robotics and CNC milling, grinding and cutting.

“Talent is one of the primary drivers for companies considering moving to Wake County,” says the county’s Economic Development Director, Adrienne Cole. “Wake Tech is an important partner in making sure

we can deliver the trained workforce that companies demand.”

Dr. Scott says some of the higher-paying jobs tend to be in “niche industries”, such as logistics and analytics, that are growing steadily. “It’s all about finding your ‘niche,’” he says.



Cliff Lubansky

Cliff Lubansky has done just that: After 20 years in the computer industry, he found himself looking for work after a layoff. With some financial assistance from the Trade Adjustment Act, Cliff is “retooling” at Wake Tech for a career in Business Analytics.

Wake Tech offers the nation’s only associate’s degree in this rapidly-growing field.

“It’s been fantastic!” Cliff says. “I’m learning so many new things, and employers are loving it.” He’s been sending out his resume and getting up to six calls a day, and he’s not even finished with the program! “With ‘analytics’ on my resume,” he says, “I’m a step ahead of other



Andrew Gordon

candidates!” Even if he lands a great job soon, Cliff says, he’ll continue in the program to earn his degree.

There is another dimension to the skills gap in traditional industries, where older workers are retiring in large numbers and younger ones are not entering the field. Dr. Scott describes it as an “interest gap.” “How many parents are advising their kids to pursue a career as an HVAC technician, or plumber, or electrician?” he says. “Their lack of interest is often based on the common misperception that these professions don’t pay well – but that’s simply not the case!” Many in these jobs earn \$50,000 a year, and skilled, experienced technicians can earn six-figures.

The interest is there for Knightdale resident Andrew Gordon. He became interested in electrical systems while renovating old homes with his dad. “I enjoy working with my hands and learning how it all works,” Andrew says. He’s at Wake Tech now, training to become an electrician. According to his professor, Richard Moore, job

“We’re always focused on addressing workforce needs here in Wake County.”

–Dr. Stephen Scott
President of Wake Tech

prospects for Andrew are good. “Most of the students in my classes will get a job,” Moore says. “As long as our area keeps growing, buildings will keep going up, and they’ll need electrical wiring and maintenance.”

Dr. Scott says Wake Tech will continue to monitor the job market – from high tech to skilled trades. His advice for students? “Do your research. Look at industries that are growing, and make a career plan that puts you where you want to be.”



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Facts and Finds



Middle-skill health careers boom

It's no secret that as the baby boomers age, medical care providers are going to need a massively expanded workforce to meet demand. Of the top 25 fastest growing occupations, 17 are related to healthcare, and careers like home health aides and physical therapy assistants are expected to grow by nearly 50 percent by 2022.

While some health professions require many years of higher ed, quite a few healthcare careers are so-called "middle skills jobs," requiring certificates or two-year degrees. Earnings for these jobs are often upwards of \$50,000. At CareerOneStop.org, a Labor Department job search site, search for state wage data, employment trends, and more.

Source: CareerOneStop.org



Raleigh: A City to Watch

Raleigh is a "city to watch," according to urbanful.com. The online site says Raleigh is one six cities in our country where great things are expected this year. What makes Raleigh stand out? Just take a look at some recent accolades for the Raleigh metro area:

- #1 Hot City for IT Pros in 2015**
(Information Weekly, February 2015)
- #3 Labor Market in the U.S.**
(CareerBuilder & EMSI, February 2015)
- #4 Fastest-Growing City**
(Forbes, January 2015)
- #3 Best Metro for STEM Professionals**
(WalletHub, January 2015)

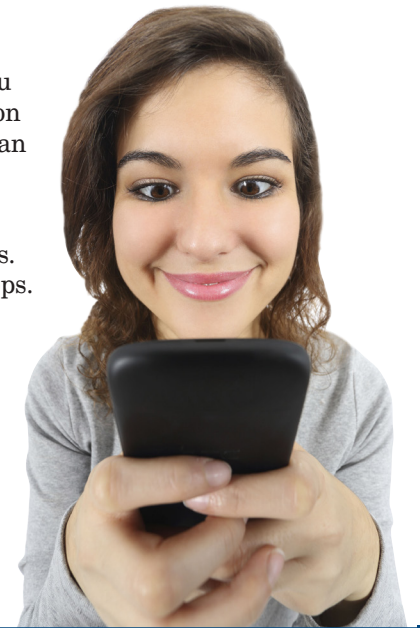
Break your smartphone habit

If you've got a smartphone, chances are you check it compulsively. You may not even be conscious of the habit. Recent studies suggest that, on average, we check our phones between 110 to 150 times a day. That can add up to a huge timewaster and concentration sapper at work and beyond.

Want to cut back? Turn off non-essential notifications in your settings. If that doesn't help, you may need to uninstall some of the peskier apps. If you want uninterrupted time to concentrate, you might want to activate Airplane Mode rather than simply muting your phone.

Need more help? Several apps, like BreakFree, can monitor your activity and impose caps on it if needed. Set up an auto-reply for text messages, and turn off notifications during set times of the day and night. BreakFree, StayOnTask, and AppDetox are all good options for Android phones.

Source: fieldguide.gizmodo.com



Flexibility: Part of the "new normal"



Flexible work schedules for full-time workers have become more common since the onset of the recession in 2008, the Families and Work Institute finds. A new survey of employers nationwide revealed that more than 2 in 3 companies allow employees to manage the times they come and go from work. Employers that are most likely to offer more flexibility and other benefits are nonprofits, those with more women employees, and those with fewer hourly employees.

Employees who enjoy greater flexibility at work have

- greater levels of engagement
- higher job satisfaction
- stronger loyalty to their employers
- less stress "spillover" between work and home
- better mental health

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College Transcripts: Not Just for Grades Anymore

New Co-Curricular Transcripts Offer a More Complete Picture

Glenn Strumke made the most of his college experience at Wake Tech, participating in the Honors Program and volunteering with other students on service projects throughout the community. Now that he's graduated, those activities are documented on his CCT, or Co-Curricular Transcript. CCTs are official records of the valuable, college-related experiences Wake Tech students have outside the classroom – in clubs, sports activities, volunteer projects, student government, and more. CCTs can highlight leadership skills and give students more to offer on applications for transfer to a university or for employment.

“Co-curricular transcripts can be extremely valuable,” says Jonathan Wirt, Wake Tech’s Associate Dean of Student Development. “For graduates who plan to transfer to another institution, the CCT can provide a competitive edge in the admissions process and in seeking out scholarships and other opportunities.”

That’s exactly what Glenn is hoping for: “This shows the universities I’m applying to that I’ve been involved in lots of worthwhile activities at Wake Tech. Hopefully it will make me more competitive against other applicants.”

CCTs also offer benefits for graduates planning to go directly into the workforce. Graduates seeking employment will find the transcript helpful in completing job applications and in building or supplementing their resumes. “Employers these days are looking for well-rounded candidates,” says Lynn Kaszvák, Dean of Career and Employment Resources, “and that means more than good grades.

The co-curricular transcript offers evidence of a student’s engagement, commitment, and ability to manage time and tasks – all very appealing to potential employers.”

Wake Tech became the first community college in North Carolina to issue the new transcripts in May. The transcripts are generated with OrgSync, a software platform that allows students to track their extra-curricular and community service activities. Students can print out unofficial reports on their own or request that an official Co-Curricular Transcript be mailed to them upon graduation.

Melody Wiggins, Coordinator of Volunteerism and Leadership, is also hoping that the transcripts will encourage more students to engage in campus life. “CCTs can help students reflect on their interests and strengths along the way, as they make career choices.”



Glenn Strumke



1

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2

Activate your student account
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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.



7 Steps to Enroll at Wake Tech

3

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

7

Attend orientation
orientation.waketech.edu

6

Meet with an advisor
advising.waketech.edu

5

Schedule a placement test
testingcenter.waketech.edu

4

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 27603-5696

Now you're ready to register for classes!

Browse class offerings and plan your schedule:
Visit 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)

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

To register for classes:

- Visit 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!

Important Dates – Fall 2015 Semester

Semester dates	08/17/2015–12/16/2015
Registration period*	06/01/2015–06/28/2015
Last day to add a full 16-week class	08/21/2015
Last day to add a first 8-week mini-mester class	08/18/2015
Second mini-mester begins	10/15/2015
Last day to add a second 8-week mini-mester class	10/16/2015

*Students register by assigned priority

Questions about Admissions or Advising?

- Student Information: 919-866-5500
- Admissions:
Visit admissions.waketech.edu or email admissions@waketech.edu.
- Advising: Visit advising.waketech.edu or email advising@waketech.edu.

Questions about Registration?

- Registration Information:
919-866-5700
- Visit wainfo.waketech.edu or email registrar@waketech.edu.



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Credentials Key:

AA = Associate in Arts

AS = Associate in Science

AFA = Associate in Fine Arts

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
Accounting*	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.	\$30,605 - \$43,599
Advertising and Graphic Design	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
Agricultural Systems Technology	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
Air Conditioning, Heating & Refrigeration Technology	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
Architectural Technology	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
Associate in Arts*	AA	Transfer to a senior institution; completion of coursework is equivalent to the general education requirements for a bachelor's degree; awarded upon successful completion of 64 hours, including the minimum required in specific curricula.	N/A
Associate in Fine Arts - Art	AFA		
Associate in Fine Arts - Music	AFA		
Associate in Science	AS		
Associate in Engineering	AE		
Automotive Systems Technology	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
Baking & Pastry Arts	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.	\$24,349 - \$41,459
Basic Law Enforcement Training	C	Employment as an entry-level law enforcement officer with state, county, or municipal governments and private enterprise.	\$34,750 - \$56,980
Biopharmaceutical Technology	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
Business Administration	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
NEW! Business Administration/ Global Business Management	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
Business Administration/ Human Resources Management*	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
NEW! Business Administration/ Marketing	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

Area of Study	Credentials Offered	Prepares you for:	Salary Median/ Range
Business Analytics	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
Civil Engineering Technology	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
Computed Tomography - CT	C	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
Computer Information Technology**	AAS, C	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
Computer Programming**	AAS, C	Employment as a computer programmer, analyst, software developer, software tester, systems technician, database specialist, or information systems manager in business, industry, or government agencies.	\$42,500 - \$118,000
Computer Technology Integration - Data Storage & Virtualization	AAS	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
Computer Technology Integration - Healthcare Business Informatics	AAS	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
Construction Equipment Systems Technology	AAS, D, C	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
Construction Management Technology	AAS, C	Job opportunities including construction project manager, superintendent, foreman, or estimator in the residential or commercial construction industry.	\$34,253 - \$43,210
Cosmetology	AAS, D	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.	\$24,060 - \$47,909
Criminal Justice Technology	AAS, C	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
Criminal Justice Technology/ Latent Evidence	AAS, C	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
Culinary Arts	AAS, D, C	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.	\$22,277 - \$42,182
Database Management	AAS, C	Jobs in administrative, development, or data warehousing; positions include database analyst, specialist, administrator, .NET developer, or web application developer.	\$65,000 - \$105,800
Dental Assisting	D	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.	\$31,740 - \$50,544
Dental Hygiene	AAS	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
Diesel and Heavy Equipment Technology	AAS, D	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
Early Childhood Education	AAS, D, C	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
Electrical Systems Technology	AAS, D, C	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
Electronics Engineering Technology	AAS, C	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
Emergency Medical Science	AAS	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
Environmental Science Technology	AAS, C	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
Esthetics	C	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
Fire Protection Technology	AAS, C	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
Geomatics Technology	AAS, C	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
Global Logistics Technology	AAS, C	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
NEW! Global Logistics Technology/ Distribution Management	AAS	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

Area of Study	Credentials Offered	Prepares you for:	Salary Median/ Range
Health and Fitness Science	AAS	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
Heavy Equipment Operator	D	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
Hospitality Management	AAS, D, C	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
Human Services Technology	AAS	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
Human Services Technology/ 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
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 (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 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).	\$25,936 - \$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 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; www.salary.com, www.cbsalary.com, www.nacweb.org, and employer surveys. Salaries may vary based on experience, education, and location.

* Also available online **Also available as hybrid



Keela Walters

Foundation for a New Career

The Wake Tech Foundation has the vital mission of raising the funds and gathering the resources Wake Tech needs to serve students and the community. The Foundation also provides critical support to students who need financial assistance to continue their education.

Foundation scholarships have been a lifeline for 33-year-old Keela Walters. Keela enrolled at Wake Tech in 2013, after working as a real estate agent and a veterinary technician. “I wanted to pursue dental hygiene, something I am passionate about,” she says.

Married, with two small children, Keela quit her job to juggle school and family demands – and money was tight. She turned to the Wake Tech Foundation and was awarded a \$1,000 scholarship. “Making ends meet with one income was tough,” she says. “The scholarship was huge! I was able to buy instruments, scrubs, and other class supplies without dipping into living expenses.” Keela faced a similar situation in her second year at Wake Tech. She wasn’t sure how she would come up with hundreds of dollars for her board exams, but Foundation resources came through a second time. “I didn’t think I would be able to get help again, but I applied because I desperately needed the money. It was such a blessing!”

Keela is already making plans for the future. She hopes to work as a hygienist part time and continue her education to complete a bachelor’s degree. Her ultimate goal is to work in public health. Keela says this exciting new chapter in her life would not have been possible without the scholarships she received. “I am grateful for the Wake Tech Foundation and its community partners. Their generosity has allowed me to follow my dreams!”

Foundation scholarships to offset tuition costs are available to Wake Tech students with demonstrated financial need or exceptional academic performance. Last year, more than 200 curriculum students and nearly 500 workforce continuing education students advanced their education with the help of a Foundation scholarship.

For more information, visit foundation.waketech.edu.

“I am grateful for the Wake Tech Foundation and its community partners. Their generosity has allowed me to follow my dreams!”

Wake Tech Foundation

WHY do YOU Support Wake Tech?



“It was at Wake Tech that I realized I could apply myself and learn whatever I wanted to; I attribute a great deal of the success in my career with making the decision to attend Wake Tech.”

Rachel Selisker, CPA
Fmr. Director of Finance, Quintiles

To find out how you can support the Wake Tech Foundation, visit foundation.waketech.edu



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