

CareerFocus™

Hot Careers

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Wake Tech Has a Program for That

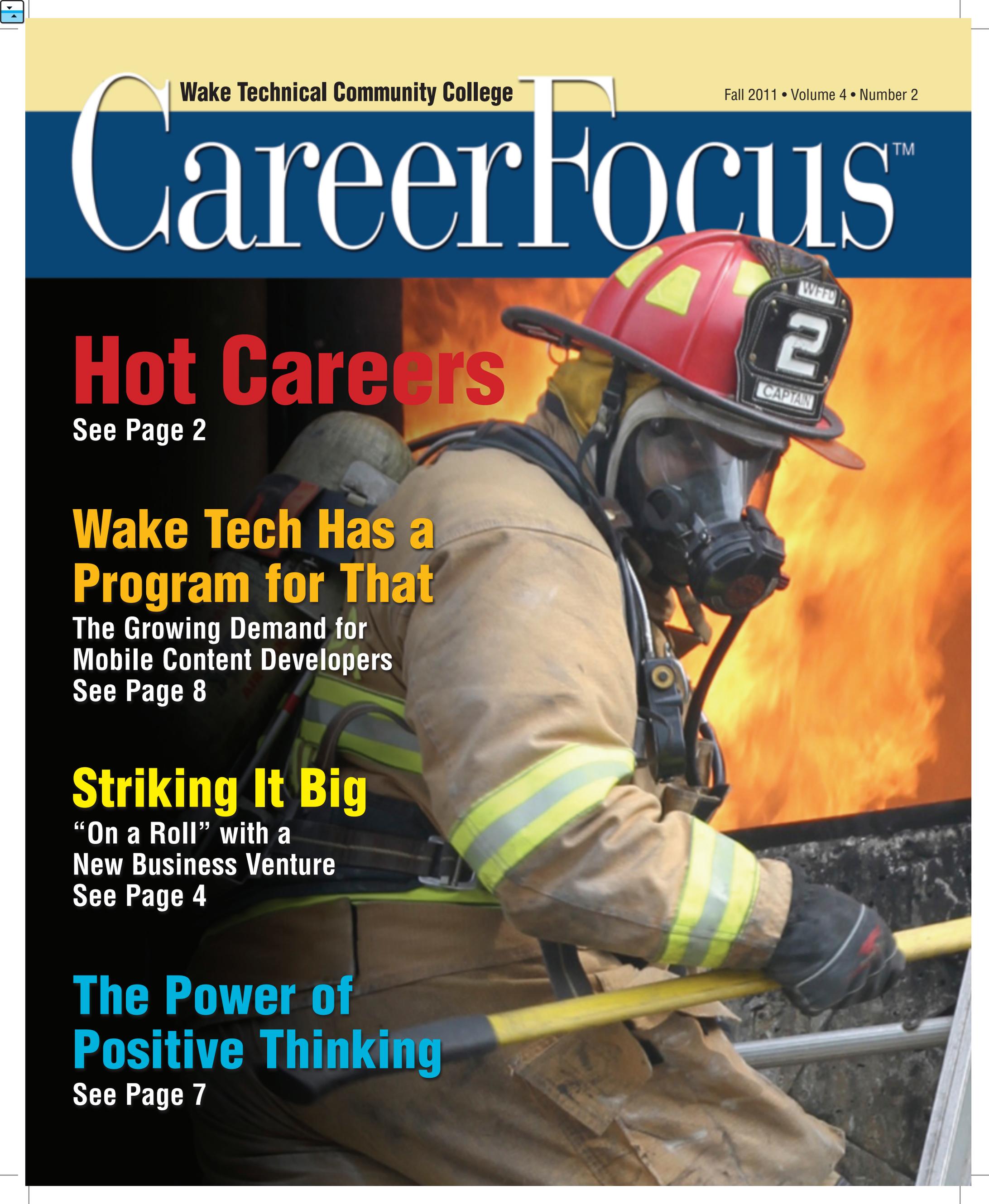
The Growing Demand for Mobile Content Developers
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Striking It Big

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New in Sports

From new coaches to new sports, the Wake Tech Eagles are soaring! Three new sports programs are being added this year: Women's soccer and men's and women's cross country.

To help steer the expanding athletics program, four new coaches are joining the ranks at Wake Tech. Sam Owoh was tapped to lead the women's soccer team; Jay Burbee will lead men's soccer; Michael Capps will head up cross country; and Stephanie Sports will coach volleyball. Her last name couldn't be more appropriate given her passion for athletics! Sports is an experienced player and coach who spent the past two seasons building the first intercollegiate volleyball program at Johnston Community College.



Stephanie Sports



"We're now offering 12 sports and helping more than 150 athletes achieve their dream of playing college athletics," says Athletic Director Barry Street. "The growth is directly in line with the growth of Wake Tech as a college, and we look forward to continued excellence for years to come."

A former starting point guard for the Lady Eagles basketball team has become a new "first" for Wake Tech Athletics: Amelia Partin is Wake Tech's first female athlete to sign with a four-year university. She'll play her junior and senior years at the University of North Carolina at Pembroke, on a full scholarship! Partin scored more than 500 points in her two years at Wake Tech, leading the Lady Eagles in scoring in both 2010 and 2011. She's just one example of the many student-athletes who come to Wake Tech and play the sport they love before moving on to the next chapter in their lives.



Amelia Partin and Coach Barry Street

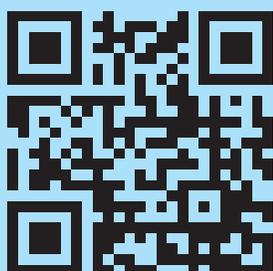


Wake Tech Athletics: Something to cheer about!

Go Online

Download a free app for your smart phone that will allow you to link to more Web information using a QR codes like this one:

www.mobile-barcodes.com/qr-software



athletics.waketech.edu

CareerFocus™

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.

Publisher.....Dr. Stephen C. Scott
 President, Wake Technical Community College
 Managing Editor Laurie Clowers
 Editor Marilyn McNeely
 Contributors..... Deb Hadley, Sheree Ward,
 Michelle Fauver
 Graphic DesignFrancie Sanderson, Veronica Lawton,
 Stephen Coppedge
 Photography..... Stephen Coppedge, Sheree Ward,
 Michelle Fauver

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The New Demand for Mobile Content Developers



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New in Sports

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Unprecedented Gift Will Help Students for Years to Come



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On the cover:

Captain Reginald Rogers is a veteran firefighter with the Wake Forest Fire Department. He has more than 30 years of experience as a firefighter and keeps his skills sharp with in-service training offered by Wake Tech.



From the President

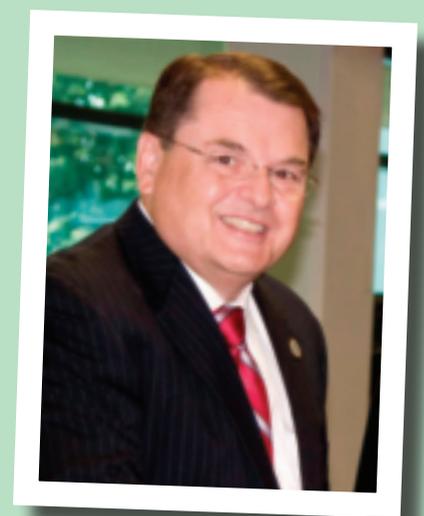
Welcome to Career Focus!

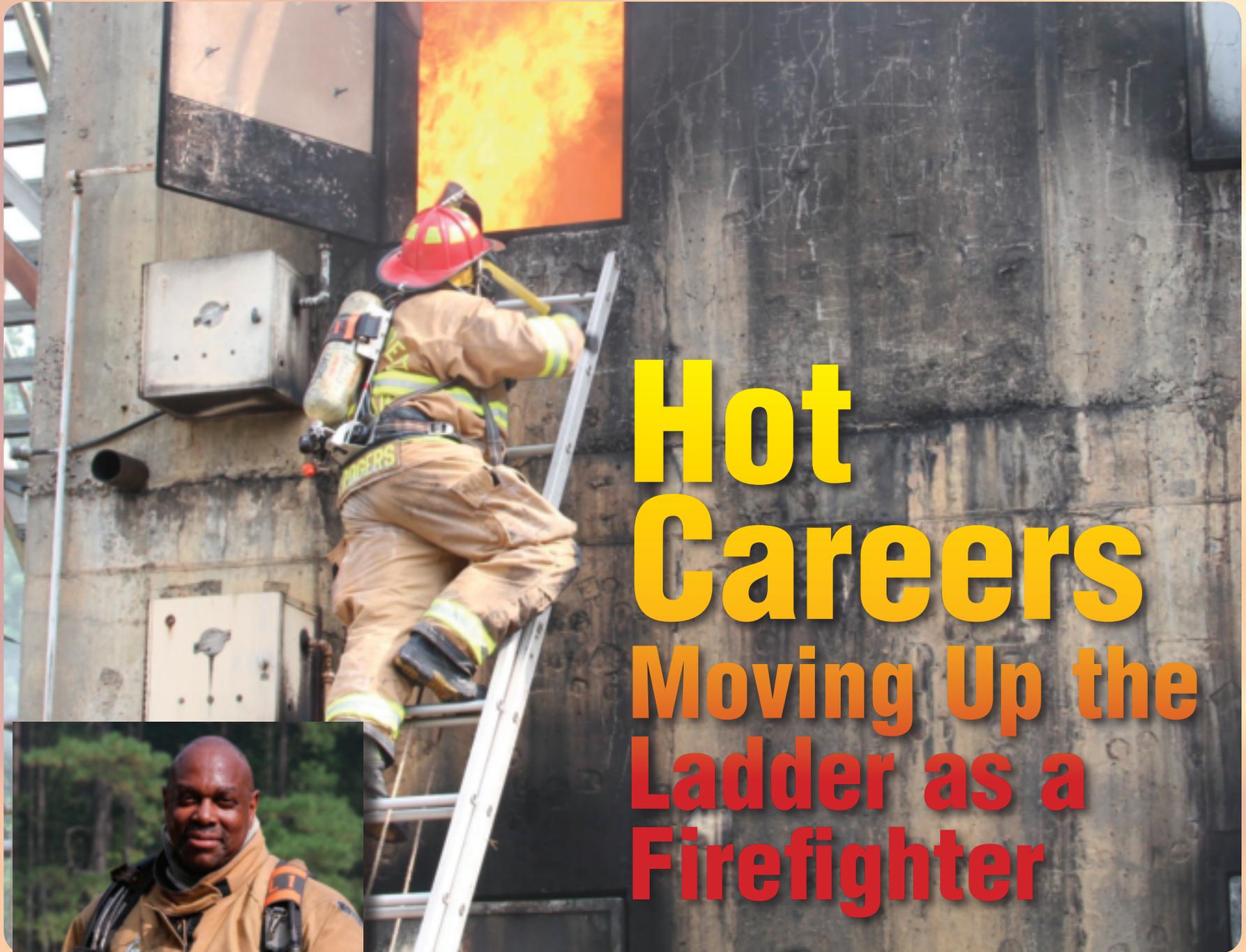
Inside you'll find information about Wake Tech's many courses and programs – all designed to meet your needs for education and training that are timely and relevant in today's workplace and world.

Wake Tech has provided quality educational services in Wake County for almost half a century. We've invested in the people of this community and believe wholeheartedly in their great potential. Our students and graduates are advancing knowledge and providing services in health care, computer technologies, hospitality, and so many other fields. They keep the local economy humming and improve the quality of life for everyone.

Where does your potential lie? What are your interests and passions? Where do you want to go? With classes to fit every schedule and multiple campuses spanning the region, Wake Tech can help you get there. Let's get started!

Dr. Stephen C. Scott
President





Hot Careers Moving Up the Ladder as a Firefighter



Capt. Reginald Rogers

It's a terrifying scenario: A building engulfed in flames and the firefighter inside is overcome by heat and smoke, his oxygen running low. "It's a very uncomfortable feeling," says Captain Reginald Rogers of the Wake Forest Fire Department. "It's hard to judge what's in front of you, and it's hard not to panic."

Fortunately for Rogers, a veteran firefighter, the event described wasn't real; it was part of an in-service training exercise offered to area fire departments through Wake Tech's Public Safety division. More than 5,000 Wake County firefighters rely on Wake Tech safety training programs each year to prepare, through simulations and other exercises,

for the real-life situations they may encounter on the job.

For those aspiring to positions as firefighters, Wake Tech provides short-term training through the Wake County Fire Academy, and now offers a two-year Associate in Applied Science degree through the college's **Fire Protection Technology** program. "The degree demonstrates a real commitment to the profession as

Fire Protection Technology is a well-rounded program that includes instruction in hydraulics, hazardous materials, arson investigation, fire suppression management, laws, and codes.

“This job requires more than physical skill – employers want to know that an applicant is a team player who can represent the organization well.”

Instructor Steven Fowler



Michael Anderson

a career,” says instructor Steven Fowler.

Fire Protection Technology is a well-rounded program that includes instruction in hydraulics, hazardous materials, arson investigation, fire suppression management, laws, and codes. It also includes training in communication, organization, and other soft skills to help aspiring applicants get a foot in the door in an industry that traditionally has more applicants than job openings.

“Getting on at a fire department is very competitive,” says 40-year old student Michael Anderson. A former home builder, Anderson decided to make a career change when business got slow. He thinks firefighting will give him the physical activity he’s used to, and he’s hoping the degree will give him “an edge.” Instructor Steven Fowler believes it will. “This job requires more than physical skill – employers want to know that an

applicant is a team player who can represent the organization well.”

Fire Protection Technology isn’t for newcomers alone. Many career firefighters pursue the degree to help them move up the ladder to investigation, administration, or fire protection education. (That’s one reason classes are offered around firefighters’ busy work schedules – and available online.) Graduates of the program may even choose to transfer to pursue a bachelor’s degree in a related field.

“A degree is a definite advantage in moving to the next level,” says Fowler. He advises students who hope to break into the field to volunteer with an organization while they’re pursuing their degree, to be sure the job is right for them.

Michael Anderson is doing just that – volunteering while taking classes. He has no doubt about his career choice and is eager to get to work. “I enjoy helping people,” he says. “I like knowing that I can make a difference for people at one of the worst times of their lives.”

For more information about the fire protection technology program, visit <http://fireprotection.waketech.edu>

CF



Graduates qualify for employment or advancement in:

- Municipal fire departments
- Governmental agencies
- Industrial firms
- Insurance rating organizations
- Educational organizations

Feature

Creating Success

Hope • Opportunity • Jobs

Striking it Big

“On a Roll” with New Business Venture

Chris Angel always knew he wanted to be his own boss. After 15 years in the global software industry, Chris decided it was time to strike out on his own. In 2009, he enrolled in a course called “Planning the Entrepreneurial Venture” (PEV) offered through the Wake Tech Wachovia Wells Fargo Center for Entrepreneurship. The course helped Chris develop financing strategies and a business plan. After finishing the PEV course, Chris spent six months putting his ideas on paper. When he finished writing his business plan, Chris

pitched it to Raleigh developer John Kane, who was impressed. “The business plan that Chris put together was thoughtful, thorough and achievable,” Kane says. “It’s the reason I agreed to invest in the project and enter into a long-term lease.”

Chris and his business partner broke ground in the posh North Hills complex in June 2010. Their 30-thousand square-foot bowling boutique “Sparians” opened less than six months later. The \$4 million facility blends bowling, dining and family entertainment. It boasts full-service lanes, large screen tv’s, an upscale menu, private suites and a plush lounge. Chris says business was brisk from the start and is now booming. “Since we opened we’ve hosted 900 events, including wedding receptions, corporate events, a fashion show and even the Carolina Hurricanes’ Super Bowl party,” he says.

Now that Sparians is up and running, Chris is sharing the secrets of his success. In May 2011, he offered business start-up advice to 100 small business owners and would-be entrepreneurs as part of the Wake Tech Wachovia Wells Fargo Center for Entrepreneurship Speaker Series. He says the key to making a small business thrive is thinking outside the box. “It doesn’t have to be a brand new idea,” Chris says. “It’s an idea that is done in a different way.” He says the success of Sparians isn’t about pins and strikes. “We’re not a bowling alley – anything but. Sparians is about a fun place for people to be social.”



“I am living a dream thanks to Wake Tech.”

As one of the managing partners for Sparians, Chris is responsible for raising capital, creating marketing programs and forging strategic partnerships for future expansion. When it comes to growth, Chris is dreaming big, and making plans to expand the bowling boutique to other states. He believes the unique concept will catch on in other cities, just like it did in Raleigh. In the meantime, Chris is enjoying his newfound success. “In just a few short months we went from having something on paper to having our own venture,” Chris says. He credits Wake Tech’s PEV course with helping him build a solid business plan and secure investors. “I am living a dream thanks to Wake Tech.”

For more information about “Sparians,” visit www.sparians.com. For more information about the Wake Tech Wachovia Wells Fargo Center for Entrepreneurship, visit entrepreneurship.waketech.edu. CF

Student Spotlight

Soaring To New Heights

MiShelle Devereaux

MiShelle Devereaux is hoping to turn a little life turbulence into a successful aviation career. As a computer drafter, MiShelle's job was cut during the economic downturn. She took a few classes at Wake Tech and discovered the associate's degree in Mechanical Engineering Technology. It was the perfect fit for MiShelle, who is a private pilot. "Wake Tech got me started on a path toward working in a field that I love," MiShelle says. She decided to enroll at Wake Tech full-time and turn her passion for flying into a career designing aircraft.

MiShelle is soaring towards that new career. She maintains

a 4.0 GPA while working full-time and volunteering with a non-profit organization that gives children an opportunity to fly in an airplane. In 2008, she was part of a team that won first place for a design project in the North Carolina Community College Pre-Engineering Student Competition. In 2011, she was one of six students who received Wake Tech's President's Award for Excellence. It's the highest award for achievement presented to any student at Wake Tech. She

also represented Wake Tech at the 2011 NC Community College System Academic Excellence Awards. MiShelle is grateful for the support she's had along the way. "Wake Tech instructors and advisors go above and beyond," MiShelle says. "They've made it possible for me to succeed." **CF**



"Wake Tech got me started on a path toward working in a field that I love."

Looking for a Job?

Create Your Own!



Start your own business or expand the small venture you already have going. Wake Tech can help.

Planning the Entrepreneurial Venture, a "blended learning" program of online contact and six evenings of classroom instruction, will show you how to:

- Assess your potential as an entrepreneur
- Evaluate the feasibility of your business idea
- CREATE A BUSINESS PLAN for a successful business



entreneurship.waketech.edu | 919-532-5525 | entreneurship@waketech.edu

WAKE TECH COMMUNITY COLLEGE

Help Keep America Competitive!

Consider a career in Science, Technology, Engineering or Math (STEM).

You could be eligible for a GREAT scholarship of \$2,000 per year or more!



- Environmental Science Technology
- Biopharmaceutical Technology
- Mechanical Engineering Technology
- Civil Engineering Technology
- Electronics Engineering Technology
- Computer Engineering Technology

- Must be a full-time student
- Must maintain at least a 2.8 GPA
- Must attend monthly meetings with faculty advisor

Funds are based on financial need and can be used for tuition, books, fees and living expenses.

Wake Tech GREAT Project Scholarship

(Graduation, Retention, and Expansion of AAS Technicians)

Contact: Luis Benavent 866-5129 or labaevent@waketech.edu



Facts and Finds

Facts AND Finds

We're Number 12! We're Number 12!

It used to be that the U.S. had bragging rights to the best-educated workforce in the world, but no more. Since the 1980s the country has fallen to 12th place in the percentage of the population with a college education.

Today just 40.4% of Americans age 25- to 34-years-old have an associate's degree or higher. The most educated country in the world is our northern neighbor Canada, where 55.8% of 25- to 34-year olds have an associate's degree or higher. The remaining top five are Korea, The Russian Federation, Japan and New Zealand. But also ahead of the U.S. are Ireland, Norway, Israel, France, Belgium and Australia.

Source: "College Graduation Rates: Behind the Numbers," American Council on Education



The Green, Green Grass of Home

The City of Oaks has a new award that's making 49 other midsize cities green with envy! Raleigh has been named the country's most sustainable midsize community by the U.S. Chamber of Commerce. Raleigh won the award for training workers in green-building techniques, for launching an electric plug-in vehicle program and for having one of two convention centers in the U.S. with a LEED silver rating. Raleigh just also happens to be home of the nation's first all-LEED certified college campus – Wake Tech's Northern Wake Campus!



Is Retirement a Thing of the Past?

As the first wave of America's 77 million baby boomers reaches the official retirement age of 65, it remains to be seen if they'll kick back or keep working.

The closer they get to retirement age, the fewer boomers expect to take advantage of it. Just 15% of employed boomers turning 65 this year say they expect to retire within the year. Five years ago, 66% of those boomers thought they'd be retired by now!

Now, 27% of boomers turning 65 say they plan to retire between age 66 and 69, and 29% say they won't leave the workplace until age 70 or older. Many are concerned that they won't have enough income to retire comfortably.

Surprisingly, even younger workers think it's a good idea for boomers to keep working. In a recent Marist poll, 71% of younger Americans thought that boomers should stay on the job until well into their 70s. Why? Although more boomers on the job means fewer job openings for younger workers, young Americans are concerned that retiring boomers could strain the Social Security and Medicare systems.

Sources: "Most Want Boomers to Keep Working in Golden Years," marketwatch.com
 "Boomers Take the Retire Out of Retirement," npr.org

Student Debt Continues to Rise

The cost of a college education has been rising faster than inflation for decades, but some colleges are better bargains than others – so would-be students should shop carefully! A college education doesn't have to include loads of student loan debt.

According to a November 2010 survey by the Pew Research Center, college students are taking on more debt than ever and private, for-profit colleges, which tend to charge more than publicly supported community colleges and universities, are one of the reasons for the increase. Students who attend for-profit colleges are more likely than other students to borrow, and they typically borrow larger amounts.

It's smart to borrow wisely. In fact, some financial aid options – including grants and scholarships – don't have to be repaid! Visit <http://financialaid.waketech.edu> for more information.

Source: "The Rise of College Student Borrowing" pewsocialtrends.org



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 www.twitter.com/waketechpr

 www.youtube.com/waketechcc

Sign up for Wake Tech's E-News, news@waketech.edu

The Power of Positive Thinking

By Deb Hadley, Director of **Job Placement**

You hear about the recession everyday. You know how tough it is to get a job. Still, you press on: networking, cold calling, interviewing. It's hard not to get discouraged. If you're unemployed, under-employed, or newly graduated, and worried about job prospects, consider that 1980's song, "When the Going Gets Tough, the Tough Get Going."

The going IS tough, so let's get going on some ways to stay positive and focused as you pursue your career goals!

1 Take care of you. Getting and staying physically fit is one of the most important things you can do. Your health and feel-good attitude are reflected in everything you do. In the job search, attitude means

The going IS tough, so let's get going with some of the very best advice we can offer for staying positive...

everything – and hey, you might just get "buff" in the process!

2 Have a plan. If you don't know where you're going, how will you know when you get there? Set long-term goals, and smaller daily and weekly goals, and keep track of your progress. Celebrate your successes, even the small ones!

3 Work hard! Your job search can and often will be a full-time job. Resources for job seekers are endless and sometimes

overwhelming. Start with one good, general resource and work your way toward others. Try the U.S. Department of Labor's www.mynextmove.org or the state of North Carolina's www.ncjobconnector.com

4 Carve out time each day to do something you enjoy.

Forget about the worries in your life – fly a Frisbee, walk a dog, turn up the volume on your car radio and sing along! Spend time with people who make you happy.

5 Choose to believe that change is your choice.

Businesses close, technology replaces people; but in the end, successful job seekers embrace change as an opportunity to learn new skills and grow in ways they never imagined.

6 Take a break from your computer.

Only 10% of jobs filled in this country each year result from "advertised" sources; 75% are filled through personal and professional networking! Many people confuse networking with publicly asking for a job, but it's really about building relationships.

7 Get involved: volunteer, work part time, take up a hobby.

Interviewers like to ask what you've been doing with your free time, and "catching up on all 234 episodes of 'Friends'" isn't a winning response! Be ready to talk about productive ways you've spent your time and how you've contributed to your community.

8 Keep your options open.

Setting strict limits on the type of work you'll consider, or the



hours you're willing to work might prevent you from finding a great opportunity. Staying flexible and open minded can improve your odds of getting hired. Remember, sometimes the best route to a new destination is the detour you never planned on taking.

9 Be ready. You never know when opportunity will knock.

The best job lead I received after I was laid off came during a dental check-up! The hygienist asked how things were going. In my most positive voice (with a mouth full of dental equipment) I told her I was looking for a new opportunity. Turned out her husband was a local HR manager, and six weeks later I was working for him!

10 Stay inspired. In the words of the beloved coach

Jim Valvano, "Don't give up. Don't ever give up." **CF**

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Search job opportunities!
Create and post online resumes and portfolios!

Employers
Post job openings for free!

College Central Network

Wake Tech's Job Placement Office is now powered by the online resources of the exclusive College Central Network. Try it today!

Visit jobplacement.waketech.edu

Feature

Wake Tech Has a Program for That!

The New Demand for Mobile Content Developers

So long, PC ... hello, smart phone! More than five billion people around the world use mobile devices, and in the next five years those devices are expected to overtake computers as the most popular way to “surf” the Internet. But while smart phones and tablets offer speed and convenience online, some websites are not as mobile-friendly as others.

“Websites developed for desktop or laptop computers can behave

unpredictably on mobile devices either by being rendered too small to read or being transcoded – a method of forced resizing,” says Wake Tech Web Technologies Department Head Alison Consol. “Neither of these situations is ideal for any organization, that’s why re-developing mobile-friendly versions of a website is essential to doing business today.”

Wake Tech is responding to the need for more developers with training in mobile technology. It’s one of the first community colleges in North Carolina to offer a new, one-year diploma program in Mobile Content Development. The program combines instruction in mobile web design, programming and application (apps) development for business and entertainment. Students who successfully complete

the program will be well-trained to create mobile-ready websites, re-format existing websites, and develop apps to provide a rich Internet experience on mobile devices. “With the limited screen real estate of a mobile device,” Consol says, “designers and developers must consider many factors – streamlining content, interface design, navigation, and branding – to ensure a positive experience for users.”

As businesses race to offer the latest applications for smart phones, Wake Tech is responding to that need as well. Two new certificate programs, iOS Application Developer and Android Application Developer, are being offered to train mobile app developers.

Industry leaders say graduates will be well-positioned for jobs in this growing field. “We’re riding a wave,” says Allen Gavilan, Vice

President of Farragut Mobile, which specializes in mobile app development. “There’s definitely a demand for employees trained in mobile content development and it’s good to know there will be a pool of skilled graduates to hire.”

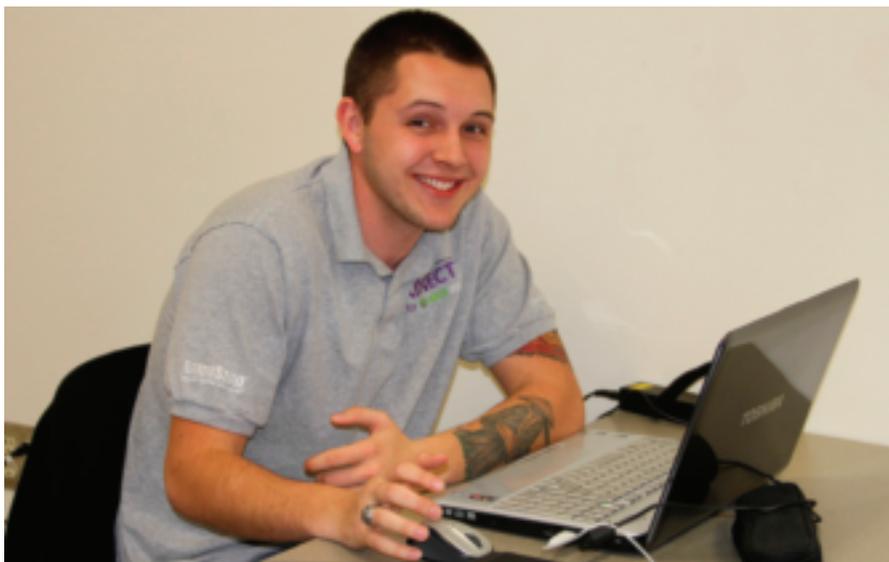
Michael Hubbard, CEO of MediaTwo, adds “As the marketing industry focuses on digital integration, mobile phones and mobile apps have become a key connecting point between the online and offline world. There’s a whole new career path evolving to keep up with app development and management that advertising agencies need to begin hiring for if they haven’t already.”

There’s no doubt that smart phones and other mobile devices will dominate the market in the coming years. Wake Tech has the expertise – and the specialized programs – to stay ahead of these trends, preparing students and workers to be a part of mobile technology’s continuing evolution. For more information, visit cet.waketech.edu. **CF**

What do consumers use their mobile devices for?

- Text/Email Messaging
- Entertainment/Social Media
- Financial Services
- News
- Weather
- Maps

Source: comScore 2010 Year in Review



Wake Tech is one of the first community colleges in North Carolina to offer a new, one-year diploma program in Mobile Content Development.

How to Enroll in Classes at Wake Tech



Apply for Admission

1. Complete an online Application for Admission: <http://admissions.waketech.edu> and follow prompts
2. Apply for Financial Aid and Veterans benefits (if applicable): <http://financialaid.waketech.edu>
3. Request transcripts: Have all 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
4. Schedule a college placement test: <http://testingcenter.waketech.edu>
5. Meet with an academic advisor: <http://advising.waketech.edu>
Help for selecting the courses you need to meet your academic goals!

Register for Classes

Browse course offerings: You can scan and plan your classes and schedules without a User ID or a password! Just visit <http://webadvisor.waketech.edu>, click Future Students, and Search for Curriculum Sections.

When you're ready to register for classes:

1. Activate your Key Account – this is the one login that will allow you to access WebAdvisor and many other college services. Visit <http://my.waketech.edu>, click Activate Account and follow the prompts to establish your Key Account User ID and password.
2. To register for classes, visit <http://webadvisor.waketech.edu>. Click Log In, enter your Key Account User ID and password, and click Submit.
3. Select Current Curriculum Students (Credit).
4. Under the heading “Registration,” click Register for Sections and follow the prompts to select your classes.

Remember to pay for your classes before the deadline, and you're ready to go!

For step-by-step, detailed instructions for WebAdvisor, visit <http://wainfo.waketech.edu>. Walk-in registration is conducted on select dates, visit <http://calendars.waketech.edu> for more information. **CF**

Key Dates - Spring 2011 Semester

Semester Dates 08/17/2011 – 12/16/2011
 Registration period* 06/01/2011 – 08/23/2011
 Last day to add a Second 8-Week Mini-mester class 10/20/2011
 * Students register by assigned priority

Tuition payment deadlines: If you register:

06/01/2011 – 08/01/2011, payment is due 08/01/2011
 08/02/2011 – 08/16/2011, payment is due 08/16/2011
 08/17/2011 or later, payment is due same day as registration

Questions about Admissions or Advising?

- Call Student Information at 919-866-5500 (Mon-Thu, 8 a.m.-7 p.m. and Fri, 8 a.m.-4 p.m.)
- Visit <http://admissions.waketech.edu>
- Email admissions@waketech.edu

Questions about Registration?

- Call Registration Information at 919-866-5700 (Mon-Thu, 8 a.m.-5 p.m. and Fri, 8 a.m.-4 p.m.)
- Visit <http://wainfo.waketech.edu>
- Email registrar@waketech.edu

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Consider a career in Health Sciences.
 Work as part of a team in a fast-paced, dynamic environment.



- Associate Degree Nursing
- Dental Assisting
- Dental Hygiene
- Emergency Medical Science
- Human Services Technology
- Medical Assisting
- Medical Laboratory Technology
- Pharmacy Technology
- Radiography
- Surgical Technology
- Therapeutic Massage

**WAKE TECH
 COMMUNITY COLLEGE**

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Wake Tech A to Z

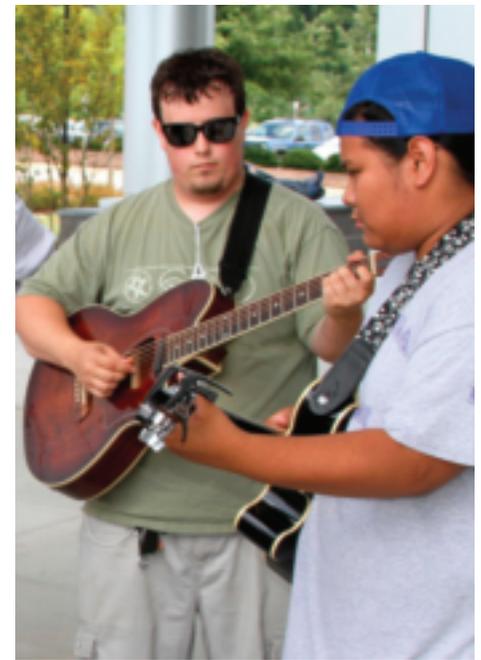
Get in tune for a great future!

Wake Tech has the educational options you need to orchestrate your own success: Sharpen up your skills or learn new ones; earn credentials and move up the professional ladder; embark on a whole new career.

Our wealth of courses and our

diploma, certificate, and degree programs can help you find rewarding employment and allow you to continue building your resume, exploring new interests, or furthering your studies.

Here's a listing of what Wake Tech offers along with some of the career opportunities that await you. Take a look – find what strikes a chord for you and your future. **CF**



Credentials Key:

AA = Associate in Arts

AS = Associate in Science

AAS = Associate in Applied Science

AGE = Associate in General Education

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 entail analyzing, processing, and communicating information about financial operations; workplaces include accounting firms, businesses, banks, hospitals, school systems, and government agencies.	27,750 - 36,500
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
Air Conditioning, Heating, & Refrigeration	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.	32,080 - 53,660
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.	25,000 - 40,000
Associate in Arts*	AA Transfer Degree	Transfer to a senior institution; Completion of course work 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 curriculums.	N/A
Associate in General Education*	AGE	General education with emphasis on intellectual growth and personal enrichment; can be tailored to student interests rather than to specific technical or professional requirements.	N/A
Associate in Science	AS Transfer Degree,	Transfer to a senior institution; Completion of course work 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 curriculums.	N/A
Associate in Science – Pre-Major: Engineering	AS Transfer Degree	Transfer to a senior institution; Completion of course work is equivalent to the general education requirements for a bachelor's degree; Awarded upon successful completion of 64 hours, including specific courses in science and mathematics required for the engineering curriculum.	N/A
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.	32,291 - 46,701
Baking & Pastry Arts	AAS, 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, or with private enterprise.	34,410 - 56,360
BioPharmaceutical Technology	AAS, C	Careers in pharmaceutical manufacturing, chemical quality assurance, microbiological quality assurance, product inspection, documentation review, manufacturing, and product/process validation.	24,500 - 62,300
Business Administration	AAS, C	Professions in business settings involving marketing, sales, customer service, finance, human resources, and/or business management in small, medium, and large organizations in a global economy.	29,300 - 66,300
Business Administration/ Human Resources*	AAS, C	Positions in human resources departments including recruitment, training, and human resources development; work in public, private, profit and non-profit organizations in a global economy.	27,800 - 36,700
Civil Engineering	AAS, C	Computer planning technician career designing subdivisions, transportation systems, buildings, bridges, dams, and water treatment facilities; workplaces include public or private engineering, construction, and surveying companies.	26,800 - 66,700
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)	40,000 - 62,000
Computer Engineering Technology	AAS, C	Jobs consisting of installing, servicing, and maintaining computers, peripherals, networks, and computer-controlled equipment; specialties include electronics technology, computer networks, server maintenance, and programming; graduates may qualify for certification in electronics, computers, or networks.	26,600 - 70,800

*Also available online **Also available as hybrid

Sources: U.S. Department of Labor, <http://www.bls.gov>; <http://www.salary.com>, <http://www.cbsalary.com>, and employer surveys. Salaries may vary based on experience, education, and location.

Area of Study	Credentials offered	Prepares you for	*Salary Median/ Range
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.	22,300 - 54,400
Computer Programming**	AAS, C	Employment as a computer programmer, analyst, software developer, computer operator, systems technician, database specialist, software specialist, or information systems manager in business, industry, or government agencies.	40,100 - 69,600
Construction Management	AAS, C	Job opportunities including construction project manager, superintendent, foreman, or estimator in the residential or commercial construction industry.	34,253 - 53,257
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	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, C	Employment as a trained professional in food service; entry-level positions with potential advancement to sous-chef, executive chef, or food service manager in restaurants, hotels, resorts, and catering companies, or 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.	39,900 - 69,700
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, public health dental clinics, and dental school settings.	29,226 - 42,328
Dental Hygiene	AAS	Professions involving the assessment, planning, and implementation of dental hygiene for individuals; eligibility to take the state/regional and national examinations for licensure; workplaces include dental offices, clinics, public health agencies, industry, and professional education.	50,713 - 69,413
Diploma in Arts*	AA Transfer Diploma	Transfer to a senior institution; Completion of course work is equivalent to the core general education requirements for a bachelor's degree; awarded upon successful completion of 44 hours.	N/A
Diploma in Science	AS Transfer Diploma	Transfer to a senior institution; Completion of course work is equivalent to the core general education requirements for a bachelor's degree; awarded upon successful completion of 44 hours.	N/A
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/Electronics Technology	AAS, D, C	Positions in the electrical/electronics profession, assisting in the layout, installation, and maintenance of electrical/electronic systems; work in residential, commercial, and industrial facilities.	33,363 - 52,146
Electronics Engineering	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 - 78,600
Emergency Medical Science	AAS	Employment as a paramedic, with knowledge and skills in basic and advanced life support; eligibility for both state and national certification exams; workplaces include fire and rescue agencies, air medical services, hospitals, urgent care centers, and physician's offices.	33,900 - 49,989
Environmental Science	AAS	Professions involving environmental testing/consulting and related work, including chemical analysis, biological analysis, water/wastewater treatment, EPA compliance inspection, or hazardous materials handling.	26,600 - 68,500
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
Geospatial Technology	AAS	Professions in Geographic Information Systems (GIS), making digital maps and information databases for environmental studies, engineering, planning, and other disciplines; work in architectural, engineering, and governmental agencies.	33,701 - 41,285
Global Logistics Technology	AAS, C	Logistics careers including entry-level purchasing, logistics analyst, distribution supervisor, export coordinator, transportation scheduler; employers include government agencies, manufacturing, retail, and service organizations	31,000 - 50,000
Heavy Equipment and Transport Technology	AAS, D, C	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.	26,215 - 43,160
Heavy Equipment and Transport Technology: Agricultural Systems	AAS	Occupations involving troubleshooting and repair of agricultural equipment, including farm tractors, planters, sprayers, and harvesters; entry-level employment in agricultural systems equipment repair businesses.	23,808 - 38,450
Heavy Equipment and Transport Technology: Construction Equipment Systems	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.	23,485 - 39,582
Hospitality Management	AAS, 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, C	Entry-level positions in institutions and agencies that provide social, community, and educational services, including mental health, child care, rehabilitation, and education; program includes options for transfer to senior institutions.	20,255 - 33,694
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.	24,485 - 34,426

*Also available online **Also available as hybrid

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Area of Study	Credentials offered	Prepares you for	*Salary Median/ Range
Industrial Engineering*	AAS, C	Positions developing and improving integrated systems involving people, materials, equipment, and information; employment in industrial engineering technology, quality assurance, supervision, team leadership, and facilities management.	29,126 - 75,586
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.	40,700 - 75,200
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.	20,000 - 40,000
Interventional Cardiac and Vascular Technology	D	Employment as a Radiographer with knowledge and skills needed for entry-level interventional cardiac and vascular specialist positions; work environments include hospitals and imaging centers.	39,500 - 59,500
Landscape Architecture	AAS, C	Occupation as a landscape architecture technician in landscape design, construction, and architecture businesses; opportunities for advancement in large-scale site design, supervision, and in residential landscape design.	20,000 - 40,000
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 have a Bachelor's Degree and meet additional criteria.	37,710 - 41,760
Machining Technology	C	Positions involving the use of power machinery, computerized equipment, and sophisticated precision inspection instruments; employment opportunities in manufacturing industries, government agencies, and machining job shops.	26,707 - 42,286
Magnetic Resonance Imaging (MRI)	D	Employment as an MRI technologist who uses magnetic energy fields to produce images of the human body; eligibility to take the American Registry of Radiologic Technologists (ARRT) examination for certification and registration; employment in hospitals, physicians' offices, and research facilities.	39,500 - 56,500
Mechanical Drafting	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.	29,532 - 51,139
Mechanical Engineering**	AAS, C	Employment as a mechanical technician, assisting in the design, development, testing, and repair of mechanical equipment for manufacturing, fabrication, research and development, and service industries.	31,978 - 71,482
Medical Assisting	AAS, D	A career as a health care professional qualified to perform administrative, clinical, and laboratory procedures; employment in physicians' offices, health maintenance organizations, health departments, and hospitals. Graduates may be eligible to sit for the American Association of Medical Assistants Certification Examination.	24,353 - 32,626
Medical Laboratory Technology	AAS	Jobs performing clinical laboratory procedures used in the diagnosis and treatment of disease; eligibility for National Certification examination by the Board of Certification of the American Society for Clinical Pathology; employment in hospitals, medical offices, reference laboratories, industry and research facilities.	36,500 - 55,500
Medical Office Administration*	AAS, D, C	Medical administrative support positions including medical records clerk, insurance specialist, and transcriptionist; 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 products.	41,000 - 66,300
Nursing	AAS	A career as a registered nurse upon successful completion of licensure exam; workplaces include hospitals, long-term care facilities, clinics, physicians' offices, industry, and community agencies.	46,007 - 69,421
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 in the health care and pharmaceutical industry; settings include hospitals, outpatient clinics, retail pharmacies, pharmaceutical wholesale companies, research laboratories, and pharmaceutical manufacturers.	19,502 - 32,889
Phlebotomy	C	Careers in the field of phlebotomy, obtaining and transporting blood and other specimens for the purpose of laboratory analysis; eligibility for national certification as a phlebotomy technician; work in hospitals, clinics, laboratories, and other health care settings	17,500 - 27,000
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.	26,095 - 42,393
Radiography	AAS	Employment as a health care professional who uses radiation to produce images of the human body; work in hospitals, clinics, physicians' offices, or industrial settings; eligibility to take the American Registry of Radiologic Technologists' national exam for certification.	43,649 - 63,610
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 - 69,600
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.	33,925 - 43,807
Surveying Technology	AAS	Positions including survey party chief, surveying technician, highway surveyor, mapper, GPS technician, or CAD operator; graduates are prepared to complete requirements to become a Registered Land Surveyor in North Carolina.	29,600 - 53,000
Therapeutic Massage	D	Occupations providing client care through therapeutic massage; workplaces include hospitals, athletic settings, spas, and private practices; eligibility to take the NCE or the MBLEx and apply for a North Carolina license.	23,339 - 51,876
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.	40,700 - 75,200
Welding Technology	D,C	Jobs in the welding and metalworking industry; employment as an entry-level technician in construction, manufacturing, fabrication, sales, and quality control environments.	31,904 - 45,897

* Also available online **Also available as hybrid

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Unprecedented Gift Will Help Students for Years to Come

Harold (Hal) and Shirley Brenner of Cary held some ideals in high regard: character, compassion, generosity. They were well-known for helping others – especially young people – go after their dreams. Mr. Brenner passed away in 2010 at the age of 89, six years after the passing of Mrs. Brenner. They left a legacy that will help others reach their dreams, in the form of a \$500,000 bequest to Wake Tech. It's the largest individual cash donation in the history of the college.

The Brenners' niece, Mrs. Mable Howell, and her husband, former Wake Tech President Dr. Bruce I. Howell, have been long-time advocates for Wake Tech. During family gatherings and holidays, Dr. Howell would often mention the role Wake Tech plays in the community and how people enroll at the college to be trained for their first job, or re-trained for a new job if they've been laid off. These conversations

ultimately led Mr. Brenner to allocate funds to Wake Tech in his will.

"My aunt and uncle believed in a strong work ethic," says Mrs. Howell, "and felt it was important to help young people acquire the necessary education and skills to become productive members of the community."

The Brenners' donation will fund scholarships for students enrolled in technical programs that take one year or less to complete. As an endowed gift, the principle will remain intact and only the interest earned will be used for scholarships. This will provide scholarships each year for up to 40 students who enroll in diploma or certificate programs in plumbing, welding, medical assisting, law enforcement and others.

"We're so honored to receive this gift," says Wake Tech President Stephen Scott. "It will help Wake Tech provide training for students in specialized fields that are so vital in our growing region."

In recognition of the Brenner donation, the library on Wake Tech's main campus, which is housed in the Bruce I. Howell Library Education building, is now named the Harold and Shirley Brenner Learning Commons. A memorial plaque inside the library is engraved:

"Education was an important part of the lives of the Brenners. They endeavored to help young men and women of character pursue their dreams."

Now, more students than ever before can dare to dream. What is your dream? What will be your legacy? **CF**

Any gift, large or small, can have an impact on a student's educational success. A **"planned gift,"** like the Brenner's bequest, provides the opportunity to make a more far-reaching investment without impacting current cash flow. Here are additional ways to donate:

- **Cash contributions** – the most simplified method of giving, eligible for a federal income tax deduction.
- **Gifts in kind** – gifts of goods and services – Don't trade in that car, donate it!
- **Matching gifts** – some employers match charitable contributions their employees make – often doubling the value!
- **Gifts of real estate or securities** – an excellent way to make a gift and enjoy significant tax benefits.

For more information about these and other giving opportunities, please visit foundation.waketech.edu.

Wake Tech Alumni



Stay Connected!

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VARIETY

Nearly 60 online and hybrid programs offered, including associate in arts, business, computer programming, criminal justice, early childhood education and more.



QUALITY

Classes are designed to accommodate multiple learning styles, and students do well academically. Online students must be well organized, motivated, and comfortable using computer technology.



COST SAVINGS

Students beat high gas prices when they don't have to come to class every day.



FLEXIBILITY

Students choose fully online or hybrid courses. Some like complete independence; others like weekly support and guidance from instructors and fellow students.



CONVENIENCE

Study where you want, when you want. Both online and hybrid classes work for families, people with jobs, or those who like the freedom of planning their own study schedule.

NO MATTER WHAT YOUR SITUATION, WTCC WILL MAKE COLLEGE WORK FOR YOU.

TRADITIONAL

Immerse yourself in the familiar world of weekday classes on one of our five campuses.

ONLINE

Experience a 100% interactive online learning experience from the comfort of your home.

HYBRID

The perfect balance – online and on campus, they can offer the best of both worlds.



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