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Starting "The Ripple Effect"

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Island
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Eagle Sports are Soaring



It's a new season, with new coaches and fresh talent, as the Wake Tech Eagles soar into fall! Men's and women's cross country, men's and women's soccer, and the volleyball team got new coaches last year to guide their programs.

The coaches are eager to get going and build on the foundations they established in their inaugural seasons. Some athletes will be returning, but there will be plenty of new ones, too – as many of last year's players go on to bigger and better things.

One of those players, Lamont Middleton, has become the first Wake Tech basketball player to sign with an NCAA Division I team! The 6'3" shooting guard will play for North Carolina A&T starting this fall. Middleton, a 2009 Enloe High School



grad, had a great sophomore season at Wake Tech – playing in 30 games, scoring 569 points, and earning the Most Valuable Player Award. He also made the National Junior College Athletics Association (NJCAA) All Region X 1st team. Middleton received his Associate in Arts degree in May.

“Having our first basketball player recruited to a major Division I four-year university brings instant credibility to sports at Wake Tech,”

“Having our first basketball player recruited to a major Division I four year university brings instant credibility to our sports at Wake Tech.”

Athletics Director Barry Street



says Athletics Director Barry Street. “We can now say with certainty that athletes who do well in the classroom and on the court will have the chance to reach the highest levels.”

Some members of the Eagles baseball team have also gone on to play at Division I universities, not a surprise with great seasons like they had last spring. The Lady Eagles softball team also scored big – finishing their spring season with 11 wins – the

team's best record in the program's history!

We hope you'll come out and support the Eagles! Teams compete in Division II, Region X in the NJCAA. Game schedules and more information can be found at athletics.waketech.edu. **CF**

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, Michelle Fauver, Stephanie Sports,
Sheree Ward

Graphic Design Francie Sanderson, Veronica Lawton,
Stephen Coppedge

Photography..... Stephen Coppedge, Michelle Fauver, Sheree Ward

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CareerFocus™

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On the cover:

Thirty-six year old Angela Lunsford is pursuing an AAS degree in Criminal Justice/Latent Evidence Technology. The Chapel Hill resident will graduate in May 2013.



From the President

We invite you to explore the rich college experience available on Wake Tech campuses across Wake County. We offer programs of study to meet widely diverse needs. You can pursue an exciting career in health care, computer technologies, biotech, or a variety of other high-demand fields.

You can take Wake Tech classes in the daytime, evening, or on Saturdays, while you continue to work; you can find locations convenient to your home or you can take classes online from the comfort of home. You can earn skills and credentials for sought-after jobs, or lay groundwork for additional higher education.

Our support services are there for you as well, to help you navigate academic options, find financial assistance, pursue honors, get involved in athletics, and more.

We think we have what you're looking for. Let us help you prepare for a great future!

Dr. Stephen C. Scott
President



Identify Your Future Career

High-Tech Tools Help Uncover Answers

Sometimes a TV show can be an inspiration for a new career: “I watch Law & Order and CSI, and a career in criminal justice has always been in the back of my mind –now I’m going for it!” says Angela Lunsford. After years of working in retail sales, the 36-year-old Chapel Hill resident decided she was ready to make a fresh start. She’s pursuing an Associate in Applied Science Degree in Criminal Justice/Latent Evidence Technology at Wake Tech’s Public Safety Education Campus.

One of her classes, Basic Friction Ridge Analysis, is a 48-hour course that offers a unique approach to fingerprinting. Geared for experienced crime scene investigators and law enforcement officials who want to upgrade

their skills, the class also attracts newcomers like Lunsford. Instructor Marty Ludas brings more than 30 years’ experience as a latent print examiner to the classroom, and he incorporates multi-media techniques that give students an edge: “We look at fingerprinting in a whole new way,” Ludas says. “This is a hands-on approach that features

assignments ranging from entry-level to extremely complex.”

Students learn Basic Friction Ridge Analysis in high-tech workstations, each featuring a computer, scanner, and digital microscope camera – all purchased with a \$150,000 grant from the U.S. Department of Justice. Before they start using the tools, students complete 24 hours of home

study, including finger and palm print comparison exercises with both computers and the traditional magnifying glass. Then they move on to the workstations, where they complete a variety of activities, including pore structure analysis. They learn new skills in digital image capture and documentation. They create their own exhibits and reports, conduct experiments, and publish their results on YouTube. The projects become part of a portfolio they can take to future job interviews.

Ludas says the high-tech training makes his class unique: “The multi-media training gives students a significant advantage in finding a job.” It also aligns with a 2010 recommendation from the National Academy of Sciences, which says that “training should move away from reliance on the apprentice-like

“We look at fingerprinting in a whole new way. This is a hands-on approach that features assignments ranging from entry-level to extremely complex.”

Instructor Marty Ludas

Criminal Justice/Latent Evidence Technology

Required Courses:

- Intro to Criminal Justice
- Criminology
- Juvenile Justice
- Criminal Law
- Crime Scene Processing
- Trace Evidence
- Ethics and Community Relations
- Investigative Principles
- Criminalistics
- Basic Friction Ridge Analysis
- Advanced Friction Ridge Analysis

transmittal of practices” and move toward higher level education “based on scientifically valid principles” (NAS Report: Strengthening Forensic Science in the United States)

Ludas says the course combines the scientific foundation and hands-on training, giving students skills they can take back to the crime lab. Criminal Justice Department Head Janie Slaughter says this course “can help those working in the field advance their careers and gives students a competitive edge for the job market while they earn college credit.”

Angela Lunsford definitely feels like she has that edge! She plans to graduate next May and get a job as



Angela Lunsford

a paralegal – for starters – as she continues to pursue her dream of becoming a crime scene investigator. “This course and all my criminal justice studies at Wake Tech have given me a very solid background,” Lunsford says. “I’ve identified a new career and I’m going to make it happen!” For more information on Wake Tech’s Criminal Justice program, visit cjc.waketech.edu. **CF**

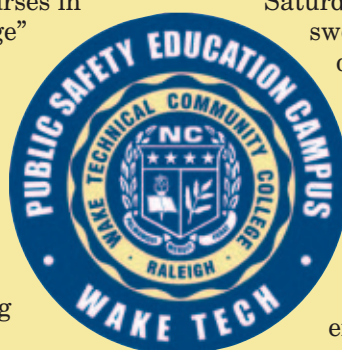
Angela Lunsford definitely feels like she has that edge! She plans to graduate next May and get a job as a paralegal – for starters – as she continues to pursue her dream of becoming a crime scene investigator.

An Associate’s Degree AND a Bachelor’s Degree ... in Just Three Years!

Wake Tech students can now pursue an associate’s degree and a bachelor’s degree in Criminal Justice – on the same campus! The accelerated program is part of a partnership with NC Central University, which is setting up shop on Wake Tech’s Public Safety Education Campus and offering classes leading to a bachelor’s degree.

Here’s how it works: Students are able to earn an Associate in Applied Science degree in Criminal Justice in

just one year – four semesters – by taking required core courses in special “Saturday College” classes. Saturday College runs for eight consecutive weeks – a “mini-mester” within the regular fall and spring semester schedules. At the same time, students continue taking their general education requirements (online or in the classroom) toward the completion



of the 65-credit-hour A.A.S. degree.

Saturday College is great for sworn law enforcement officers and other working students who aren’t able to come to campus during the week.

Once students earn their associate’s degree, they can enroll in NC Central courses and go to work on a Bachelor of Science degree

in Criminal Justice, which can be completed in two years. The 57 credit hours of instruction are delivered in eight-week sessions and a five-week summer session on Wake Tech’s Public Safety Education Campus.

An associate’s and a bachelor’s degree in three years, all in one place – Wake Tech has a program for that! **CF**

Work ... School ... or Both?! It's Your Choice!

If your goal is to get a bachelor's degree, Wake Tech is a great place to start!

Our college/university transfer program offers A.A. (Associate in Arts) and A.S. (Associate in Science) degrees, which are accepted by all universities in the UNC system and many private universities as well.

In addition, we've tailored some unique arrangements that make many of our A.A.S. (Associate in Applied Science) degrees, our more technical programs, transferable, too!

With an AAS degree in, for example, Business Administration, Early Childhood Education, or Criminal

Justice, you have choices! You can choose to

- Go to work immediately – the skills you've gained and the credential you've earned will enhance your employability and your earning power;
- Transfer to a four-year university to continue your studies; or
- Do both!

Consider some of the possibilities.

Bachelor of Science in Business Administration at William Peace University:

Students complete their AAS in Business Administration at Wake Tech, plus 17 hours of curriculum credits. They

can then transfer to William Peace, where with an additional year of study (38 credit hours), they will earn their BSBA.

Bachelor of Science in Birth to Kindergarten with Teacher Certification (B-K) at Barton College:

Students who complete an AAS in Early Childhood Education at Wake Tech can transfer up to 64 hours of credit to Barton and begin their bachelor's degree program with junior status. With an additional 67 hours of credit, they will earn their BSBtoK.

Campbell University: Wake Tech graduates can apply credits to a wide range of baccalaureate programs at Campbell, thanks

to a comprehensive articulation agreement.

Bachelor of Science in Criminal Justice at North Carolina Central University:

Wake Tech grads with an AAS in Criminal Justice may complete a bachelor's degree through NC Central – and take their classes on Wake Tech's Public Safety Education Campus!

These are just a few of the many transfer opportunities available to students who earn an Associate of Applied Science degree at Wake Tech.

To learn more about these and other options, visit our "Choices" website: choices.waketech.edu. **CF**



A Transfer Triumph

“The instructors at Wake Tech really prepared me to succeed.”

Matt Purvis

Thirty-two-year-old Matt Purvis has plans for the future – designing cell phones and other communication devices – and he tends to accomplish what he sets out to do. Matt, a U.S. Army veteran and Wake Tech graduate, is working on a bachelor's degree and a master's degree in electrical engineering concurrently at NC State.

With a 4.0 GPA, Matt beat out eight other top students for NCSU's 2012-2013 College of Engineering Faculty Senior Scholarship Award. The award is a prestigious undergraduate honor recognizing academic, extra-curricular, and community achievement. It includes a \$5,000 prize that he plans to use toward tuition. “The instructors at Wake Tech really prepared me to succeed at NC State,” Matt says. “It's been a lot of hard work, but it is definitely paying off!”

Matt lives with his family in Garner, and served in the U.S. Army for six

“It's been a lot of hard work, but it is definitely paying off!”

years before enrolling at Wake Tech as a college transfer student in pre-engineering in 2009. With college credits he had accumulated over the years, he was able to complete his Associate in Science degree in just one year. He graduated from Wake Tech and promptly enrolled at NC State.

The transfer, he says, was smooth and seamless: “I didn't miss a beat. The quality of Wake Tech's math, science, and physics classes made it an easy transition.” Completing his advanced degrees may not be easy, but his NCSU scholarship will definitely help. **CF**



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Need Help with Your Job Search or Career Choice?

Wake Tech offers a number of resources designed to help you choose the right career path or find a job once you've finished your program of study here.

- **Career Exploration:** If you're a recent high school graduate or an adult heading back to school to pursue a diploma or degree, our Counseling Services staff can help you assess options and research careers that fit. For more information on career counseling, visit counseling.waketech.edu.

- **Job Search Resources for WTCC Students and Alumni:** If you've finished your program of study at Wake Tech and are ready to start a job search, visit careers.waketech.edu for information on College Central Network (our online job search resource for students, graduates and alumni), ACA 220 Professional



Transitions (a one-credit course on the job search offered several times each semester), and special seminars designed especially for job seekers. You'll also find up-to-date information on job search trends through online access to "Job Choices," a publication of the National Association of Colleges and Employers.

- **Community Resources:** If you're not a Wake Tech student or graduate, our Human Resources Development team offers non-credit courses to help you learn about different career options, career chemistry to help you find programs that fit your specific traits and talents, and career readiness to help you learn basic skills. For job seekers, there are courses on resume writing, networking, and interview skills. Visit hrd.waketech.edu. **CF**



Alumni Profile: Judge Paul Gessner

North Carolina Superior Court Judge Paul Gessner is one of the state's most powerful trial judges, presiding over high-profile cases and ruling in civil lawsuits and felony trials. His journey to the bench began more than 25 years ago when he walked a beat as a Raleigh police officer. Gessner wanted to further his career, so he enrolled in Wake Tech's Criminal Justice program. "I wanted hands-on training," he says, "and a quality education that was affordable." Gessner earned an associate's degree from Wake Tech in 1985; three years later he earned

his bachelor's degree and went on to graduate from law school.

Gessner's career as a prosecutor started in the Wake County District Attorney's Office. In 1996, he turned his attention to the bench and was elected a Wake County District Court judge. Ten years

later, Gessner was elected to serve on North Carolina's Superior Court. He states emphatically that Wake Tech helped to shape his success. "The college provided a foundation for my career path," he says. "If it weren't for Wake Tech, I wouldn't be doing what I'm doing today." **CF**

"If it weren't for Wake Tech, I wouldn't be doing what I'm doing today."



Facts AND Finds

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Calgon – Take Me Away!

That slogan from the '70s encouraged us to take a bubble bath to unwind and de-stress! Truth is, you may want to "get away from it all" – literally – if you're considering new options in your professional life. An article on job-hunt.org says a personal retreat may be the ticket to a career transformation.

- Find a place that will allow you to slow down
- Go alone
- No computer
- Cellphone off

You can hike, exercise, meditate – whatever works! Finding clarity can't be forced, but the proper environment can help!



Courtesy GRCVB/visitraleigh.com

Looking for a new job?

The Triangle is a pretty good place to start. A new article on Forbes.com ranks the Raleigh-Cary metropolitan area No. 7 on its "Best Cities for Jobs" list.

That's up from 14th last year, thanks in part to employment growth of 2.2 percent since 2011. The article called Raleigh-Cary "a top performer," having been in the top 15 for the

past 7 years. It cites employment data from the U.S. Bureau of Labor Statistics and credits a boom in the technology sector for our rise in the ranking. At the top of the list: Austin, Texas.

Balancing Priorities

Most community college students juggle personal, financial and academic challenges. Here's a glimpse:

Work more than 30 hours per week:

Full-time students	19%
Part-time students	42%

Care for dependents at least 11 hours per week:

Full-time students	29%
Part-time students	37%

Attend evening or weekend classes:

Full-time students	13%
Part-time students	40%

Source: Community College Week, February 20, 2012 CF



Growing to Meet Your Needs

The residents of our thriving region need options for education and training that are as diverse and dynamic as they are, and Wake Tech has always been responsive to those needs. We're working to expand our capacity to serve the community more effectively. Our latest expansions:

- At our Northern Wake Campus, beautiful, brand-new Building E is open for business! The 80,000 square foot building – with classrooms, computer labs, and specialized labs for training nursing assistants – features a 293-seat lecture hall for classes, lectures, concerts and other special events. It's the fourth instructional building on the growing campus, and like the others, it was built to meet the U.S. Green Building Council's LEED standards. Building E
 - even has a rooftop terrace to absorb carbon dioxide and generate oxygen!
 - The Northern Wake Campus will also soon have a new, 510-space parking deck to make it easier for students to get to class.
 - On Wake Tech's Health Sciences Campus, a new, 98,000-square-foot instructional building will allow us to train more nurses, X-ray technicians, and MRI/CT technicians. The Health Sciences 2 Building houses a state-of-the-art Nursing Simulations Suite, an EMS ambulance bay/teaching area, and an 800-seat lecture hall.
 - Health Sciences also has a new 500+ space parking deck to accommodate students.
- Exciting things are happening at Wake Tech – and we'll continue to grow to keep pace with the demands of our ever-expanding region. **CF**



Construction at Health Sciences Campus



**Looking for an exciting, fast-paced future?
Consider a career in**

Health Sciences

Associate Degree Nursing • Dental Assisting • Dental Hygiene • Emergency Medical Science • Human Services Technology • Medical Assisting
Medical Laboratory Technology • Pharmacy Technology • Phlebotomy
Radiography • CT and MRI • Surgical Technology • Therapeutic Massage



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Building E, Northern Wake Campus

How to Enroll in Classes at Wake Tech

Apply for Admission

1. Complete an online Application for Admission: admissions.waketech.edu and follow prompts
2. Apply for Financial Aid and Veterans benefits (if applicable): 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: testingcenter.waketech.edu
5. Meet with an academic advisor: advising.waketech.edu – get 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 webadvisor.waketech.edu, click Future Students, and Search for Curriculum Sections.

When you're ready to register for classes:

6. Activate your Key Account – this is the one login that will allow you to access WebAdvisor and many other college services. Visit my.waketech.edu, click Activate Account and follow the prompts to establish your Key Account User ID and password.
7. To register for classes, visit webadvisor.waketech.edu. Click Log In, enter your Key Account User ID and password, and click Submit.
8. Select Current Curriculum Students (Credit).
9. 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 wainfo.waketech.edu.



Questions about Admissions or Advising?

- Student Information: 919-866-5500 (Mon-Thu, 8 a.m.-7 p.m., Fri, 8 a.m.-4 p.m.)
- 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 (Mon-Thu, 8 a.m.-5 p.m., Fri, 8 a.m.-4 p.m.)
- Visit wainfo.waketech.edu. Email registrar@waketech.edu.

Key Dates – Fall 2012 Semester

Semester Dates	08/15/2012 – 12/14/2012
Registration period*	06/04/2012 – 08/21/2012
Last day to add a Second 8-Week Mini-mester class	10/18/2012

**Students register by assigned priority*

Tuition payment deadlines: If you register:

06/04/2012 – 07/16/2012, payment is due	07/16/2012
07/17/2012 – 07/31/2012, payment is due	07/31/2012

Give Your Future a Shot in the Arm!

Wake Tech’s degree, diploma, and certificate programs can propel you forward, into a rewarding career and the life you’ve dreamed of having. You have choices: Get marketable skills and credentials for landing a good job ... earn a

degree that transfers to a four-year university ... or do both!

Ready to get started? Our admissions advisors can help you design a course of study to get you where you want to go. Call 919-866-5500 today! **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.	28,500 - 38,000
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, 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, 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.	39,901 - 79,344
Business Administration/ Human Resources Management*	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.	27,046 - 44,011
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 the public and private sectors of the engineering, and construction industry.	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

* Also available online **Also available as hybrid
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.

Area of Study	Credentials offered	Prepares you for	*Salary Median/ Range
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
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 Technology	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, 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; 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 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 - 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 Technology	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
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, 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, C	Entry-level positions in institutions and agencies that provide social, community, and educational services, including mental health, child care, rehabilitation, and education.	20,255 - 33,694

* Also available online **Also available as hybrid

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.

Area of Study	Credentials offered	Prepares you for	*Salary Median/ Range
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
Industrial Engineering Technology*	AAS, C	Positions developing and improving integrated systems involving people, materials, equipment, and information; careers include industrial engineering technician, quality assurance technician, supervisor, and positions that aid in efficiency in multiple industries.	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
Landscape Architecture Technology	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 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.	29,532 - 51,139
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.	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.	24,882 - 35,882
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, patient services representative, 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, Associate Degree	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 as a pharmacy technician who assists and supports licensed pharmacists; certified pharmacy technicians work in hospitals, community and specialty pharmacies, including those for long-term care, medical clinics, outpatient surgery, home infusion, and investigational drug research.	20,310 - 61,649
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	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 public and private sectors of the surveying, engineering or construction industry.	29,600 - 53,000
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.	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

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

Starting The Ripple Effect



Giving that goes a long way.

Some of the community's most respected leaders are coming together to start a "ripple" that will be felt throughout the region! Bill Atkinson, President and CEO of WakeMed Health & Hospitals, and Frank Holding, Jr., Chairman and CEO of First Citizens Bank, are co-chairing an effort to raise private financial support for Wake Tech. The major gifts campaign, aptly-named "The Ripple Effect," will provide vital support for the college in three important areas: student success, faculty and staff innovation, and technology impact. The goal is to raise \$10 million or more!

The Ripple Effect is a response to record-breaking enrollment at Wake Tech and the increased demand for the many training programs and educational options the college offers. These days, more people than ever are turning to Wake Tech to change the course of their lives – more than 65,000 people in the past year. New high school graduates, adults whose education was interrupted, workers seeking new career options, and professionals wanting to keep their edge – all are finding avenues for opportunity at Wake Tech. When people earn credentials and learn relevant skills, they get better jobs,

earn more, and contribute to the local economy.

"The past three years have dealt quite a blow to the community and its economy," says Frank Holding. "Wake Tech is positioned to take the lead in putting people back to work."

"Wake Tech is a very wise investment," says WakeMed's Atkinson. "Thanks to Wake Tech, our hospital is staffed with top-notch nurses, lab technicians, radiographers, and other allied health care workers. These professionals are absolutely vital to the health of our community, and we can all be assured of quality health care."

One of those nurses is 40-year-old Andrea Perea, who made a career change and recently graduated from Wake Tech's Associate Degree Nursing program. She had a job at WakeMed even before she graduated! "I was always interested in nursing," says Andrea. "But I never thought it was within my reach!"

The Ripple Effect Cabinet includes an impressive roster of prominent leaders, including six former chairs of the Greater Raleigh Chamber of Commerce. Their goal is to raise money for scholarships and mentoring initiatives, faculty and staff innovation, and new technology to keep training relevant and up-to-date.

"We're extremely encouraged by – and grateful for – the support of community leaders who have committed to Wake Tech's campaign," says Wake Tech President Dr. Stephen Scott. "Through education, Wake Tech graduates improve their lives and the lives of their families and communities – that's a 'ripple effect' that ultimately fuels economic growth for the entire region."

The campaign will continue throughout 2012 and culminate with Wake Tech's 50th anniversary celebration in 2013. You can help start a ripple effect! To find out more, visit therippleeffectcampaign.org. **CF**



Frank Holding, Jr. and Dr. Bill Atkinson



Andrea Perea

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