

CareerFocus™

**Tackling
a New Challenge**
Inside Front Cover

**Cloud
Computing**
IT Training at
Your Laptop
See Page 4

**An Out-of-this-World
Opportunity!**

See Page 5

Cutting-Edge Training

Preparing Students for a Growing Industry

See Page 2



Tackling a New Challenge

Wake Tech Challenge Course Fosters Teamwork

It's team-building with a twist! Troopers with the North Carolina State Highway Patrol were among the first to face the Spider Web, the Swinging Log and the Wild Woozey – just some of the obstacles on Wake Tech's new Challenge Course on Main Campus. The elaborate \$126,000 course opened in the fall of 2009 for law enforcement and ROTC training. Designed and built to Association of Challenge Course Technology (ACCT) standards, it features ropes, balance beams, walls, a cargo net climb, a chain link climb and a low crawl infiltration course. The course is designed to foster teamwork, with an emphasis on communication and critical thinking skills.



Are YOU up for the challenge? The College is planning to open the course to business and civic groups for similar team-building exercises in the future! **CF**



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CareerFocus™

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Features

- COVER STORY**
- 2 Cutting-Edge Training**
Preparing Students for a Growing Industry
 - 4 Cloud Computing**
IT Training at Your Laptop
 - 5 An Out-Of-This World Opportunity!**
 - 7 Alumni Spotlight: Military Vet Goes High Tech**
Dahlia Watkins
 - Student Spotlight: International Student Achieves Excellence**
Aneta Mrozek
 - 8 Skill... Talent... Time...**
Wake Tech Gives it Up for the Community!



Inside Front Cover

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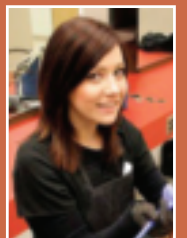
Eye on the Eagles

In Every Issue

- FACTS AND FINDS**
- 6 More Education = Less Unemployment**
- REGISTRATION**
- 9 How to Enroll in Classes at Wake Tech**
- WAKE TECH A TO Z**
- 10 The Shape of Your Future**

On the cover:

21 year old Casey Raper is one of the first students in Wake Tech's new Cosmetology program. The Raleigh resident says she's looking forward to a career that doesn't require her to sit behind a desk all day! She will graduate with an Associate in Applied Science degree in 2011.



From the President

Welcome to Career Focus. We're glad you're exploring options for your education and career, and we're here to help. Our certificate, diploma, and two-year degree programs can help you get the training you need, get back to work, get ahead, or just get started!

We like to say that excellence is the *Wake Tech Way*. We hope you'll agree, and we hope you'll join us in our commitment to that ideal. We think you'll find opportunities of the highest quality here, whatever your needs – basic skills, stronger professional credentials, high-tech training, or a foundation on which to build further educational achievement.

Registration information is included in the pages that follow. As you explore, please let us know how we can assist you in the important step you're taking.

Dr. Stephen C. Scott
 President



On the Cover

Cutting-Edge Training

Preparing Students for a Growing Industry

When Raleigh resident Beth Elliott needed a touch-up on her hair color, she made an appointment at the newest salon in town: the Advanced Cosmetology Lab at Wake Tech Community College. “It’s a good deal,” says Beth, whose mother recommended the place after getting a haircut the preceding week. Beth’s stylist was 21-year old Casey Raper, one of the first students in the new Cosmetology program, just launched last fall. “I’ve always loved doing hair,” says Casey. “Now I’m learning the skills I need for the career I want!”

Cosmetology is a great career to consider, says Department Head Paula Askew: “The field offers a variety of career options, and jobs are always available.” In fact, the job opportunities in Cosmetology are growing. More than 800,000 professionals are employed in salons across the country, according to the U.S. Bureau of Labor Statistics. Over the next eight years, that number is expected to grow 20%, much faster than the average rate of growth for all occupations.

Students in Wake Tech’s Cosmetology program learn all the phases of hair design, including

Students in Wake Tech’s Cosmetology program learn all the phases of hair design, including cutting, coloring, highlighting, and styling, as well as skin and nail care. In addition to the creative and technical training, students study anatomy, chemistry, and medical conditions that affect the skin and hair.

cutting, coloring, highlighting and styling, as well as skin and nail care. In addition to the creative and technical training, students study anatomy, chemistry, and medical conditions that affect the skin and hair. They also have opportunities to develop their business skills, including the one Askew describes as most important of all: communication. “This business is one-fourth talent and three-fourths personality,” she says. “The key is to have great ‘people skills’ and be a good listener. If your clients get what they want, they’ll love you – and keep coming back!”

Keeping clients coming back is one of the biggest challenges new cosmetologists face. Askew advises students to prepare themselves for long hours – and working nights and



What Can You Earn?

Below are some sample salary ranges for cosmetology careers:

Hairdresser/Cosmetologist	\$14,100 – \$49,400+
Shampooer	\$14,100 – \$21,600
Manicurist/Pedicurist	\$14,800 – \$39,400
Skin Care Specialist	\$16,300 – \$51,900+
Makeup Artist	\$16,000 – \$80,600

Source: U.S. Department of Labor



**Now Accepting
Appointments!
866-7100**

Haircut	\$ 8.00
Shampoo Set	\$ 8.00
Braids	\$10.00
Color	\$17.00
Foils	\$30.00
Manicure	\$ 5.00
Pedicure	\$12.00
Facials	\$16.00 and up

All services performed exclusively by students, under instructor supervision.



Facing the Future

Esthetics, or the art of skin care, is one of the fastest-growing areas in the field of Cosmetology. The number of workers specializing in skin care is expected to jump almost 38% between 2008 and 2018. Wake Tech's Esthetics Certificate program covers the latest skin care techniques – basic and advanced facials, microdermabrasion, chemical peels, and waxing services. Students also learn specialty treatments, which include make-up application, brow and lash tinting, and paraffin hand dip.

“We have a lot to offer,” says Esthetics instructor Angie Barbour. “We use the latest technology, and our instructors are very knowledgeable.” Barbour says a certificate in Esthetics can be a stepping stone to a number of job opportunities.

Once licensed, graduates can work as skin care specialists in spas and dermatology offices; as makeup artists or product sales representatives; and even in formulating cosmetic lines.

Twenty-six year old student Holly Pritchett is hoping to work in a medical spa setting. “I want to help make people beautiful!”

For more information about Wake Tech's Esthetics program, visit <http://esthetics.waketech.edu>. **CF**

In fact, the job opportunities in Cosmetology are growing. More than 800,000 professionals are employed in salons across the country, according to the U.S. Bureau of Labor Statistics.

weekends – if they want to succeed. “It can be a hard business to get started in,” she says, “but if you’re willing to work hard to build your clientele, you could end up earning great money – even a six-figure salary!”

The idea of a reliable source of income is what attracted 26-year-old Dana Wallace to the program. The former special education teacher was laid off last year. Although she may want to go back to teaching one day, she says, “this will help create options for me, so that I’m never in this position again.”

While the downturn in the economy has affected a number of industries, experts agree that the demand for talented cosmetologists is always there. “No matter how bad the economy is,” says Askew, “People will always want to get their hair done!”

Wake Tech offers both a two-year associate’s degree and a one-year diploma in Cosmetology; graduates are eligible to take the State Board of Cosmetic Arts exam and become licensed. High school students who plan to enter the program can begin taking cosmetology courses before they graduate. To learn more about the program visit <http://cosmetology.waketech.edu>. **CF**



Cloud Computing

IT Training at Your Laptop

When Information Technology professionals want extra training to give them a competitive edge, they come to Wake Tech. Now, Wake Tech's specialized training in computer programming and networking can go to them!

Wake Tech's new Virtual Computing Laboratory Environment (VCLE), created with a \$383,000 grant from the U.S. Department of Labor, enables Wake Tech to offer four IT certificate programs online:

- JAVA Programming
- Visual C# Programming
- Cisco Certified Network Associate (CCNA)
- Microsoft Certified Systems Administrator (MCSA)

"People lead very busy lives, especially those who are already

working full time," says Butch Grove, Dean of Wake Tech's Computers and Engineering Technologies Division. "This new virtual computing lab allows professionals and students to pursue training and credentials on a schedule that works for them!"

The virtual computing lab – or "cloud" computing lab, as it's sometimes called – will allow Wake Tech to offer the certificate programs to twice as many students as before. The quality of the training remains the same, since the lab's cutting-edge servers host the same hardware and specialized software packages used for classroom instruction.

"It's working out quite well," says Willard Poindexter, who's pursuing an MCSA certificate online. The 40-year old CAD manager is hoping the training will open up new career opportunities for him. "These days, employees who have training like this are more valuable," he says.



Willard Poindexter

So whether students are focused on career advancement or want to apply these courses toward an associate's degree, they no longer have to worry about finding the time to come to campus. Willard Poindexter is thankful for the option of taking the classes online. "This has enabled me to pursue the training I want and complete coursework in a timely and efficient way." **CF**

The number of information technology jobs in North Carolina is growing!

The North Carolina Technology Association (NCTA) reports that employers posted 1,700 IT job openings in February 2010 – that's a 33% jump from one month earlier and the highest number of openings posted since November 2008!

Most of the available jobs were in systems engineering and support, followed by software development, IT consulting, and IT management.

The VCLE hosts the same specialized hardware and software packages used in the classroom.

An Out-Of-This World Opportunity!

Imagine – all the comforts of home, millions of miles away. For years, scientists have studied what it would take to sustain life on Mars. Could we alter that planet’s climate and atmosphere or modify its ecology to make it livable for

humans? And even if we could do all that, says 24-year old Mike Grace, “one very important question would remain: is it economically feasible?” Mike set out to answer that question in his Honors Program project, called “Viable, Affordable Terraforming of Mars.” He’s a

May 2010 graduate of Wake Tech with an Associate in Arts degree – but he has always had an especially keen interest in economics. “These questions have been percolating in my brain for awhile,” he says. “The Honors Program gave me the impetus to investigate them.”

Thirty-six students are enrolled in Wake Tech’s Honors Program, on both the Main and Northern Wake Campuses. (Visit <http://honorsprogram.waketech.edu>) The program is open to Associate in Arts and Associate in Science students, as well as students enrolled in the Business Technology AAS program for college transfer. They must have a 3.3 GPA or higher in their senior year of high school or post-secondary education. The Program requires students to take Honors Seminar courses, complete extra projects, and take on various leadership roles.

North Campus Honors Program Director Lee Corbett says the program’s extra demands pay off for students in the end.

“Universities look for students who stand out, especially when it comes to students transferring for advanced degrees,” Corbett says. “The Honors Program gives

students that competitive edge – it shows they took initiative and pushed themselves harder to excel.”

As a child, Mike Grace struggled with reading because of dyslexia, but you’d never guess that now! After he posted his project on the Internet, a PhD student at NASA’s Ames Research Center in San Francisco offered him an internship researching the

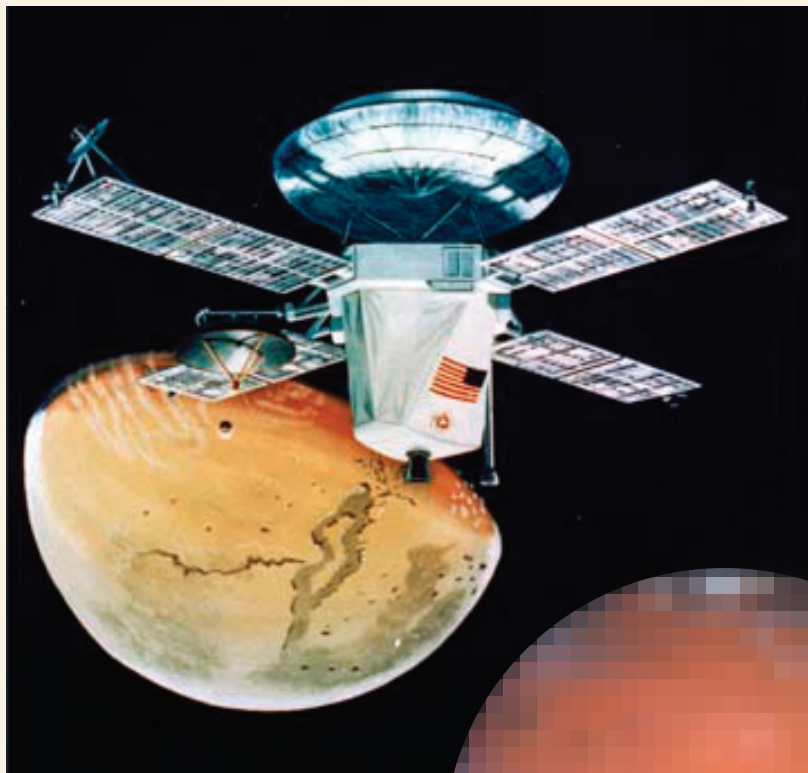


Mike Grace

potential for life on Mars. “It’s really flattering,” says Mike. “Opportunities like this are incredibly competitive. I feel very fortunate!”

After the internship, Mike plans to continue his studies at NC State University. His research convinced him that even though it may be possible to terraform Mars someday, the process would be just too expensive. So for now, Mike plans to keep his feet planted firmly on the ground, right here in the Triangle, with no space travel on the agenda – at least not yet!

To view Mike’s project called “Viable, Affordable Terraforming of Mars” visit www.youtube.com/waketechcc and click on “Favorites.” **CF**



All Mars photos – Courtesy NASA

Facts and Finds

Facts AND Finds

Fountain of Youth

It seems many young people have found the proverbial "Fountain of Youth" right here in Raleigh! A new study ranks Raleigh as the third best place in the country for young people seeking to establish themselves in a recessionary economy. The study by Portfolio.com ranked metropolitan areas based on population growth, employment growth, share of total population and the jobless rate for people ages 18-34. Only Austin, Texas and Washington, D.C. ranked higher. The report also cited Raleigh for having a large number of households led by people under the age of 45 with incomes over \$100,000. So go ahead, dive into that fountain and soak up all that the Capital City has to offer!



Got Skills?

If you've been laid off, your top priority may be to find a job immediately. But experts say you'll be more successful in your search if you first think about your skills. Recognizing your unique blend of abilities can help you make yourself marketable to employers. It may also help you decide if you need to upgrade your skills by taking a class, completing short-term training, or getting a degree. You may even qualify for financial assistance through the Workforce Investment Act (WIA) program or federal financial aid. Visit www.careeronestop.com/reemployment for more information.

More Education = Less Unemployment

Want to improve your chances for employment? Get a degree!

Credential	Unemployment Rate
No HS diploma	15.6%
HS diploma	10.5%
Associate's degree	8%
Bachelor's degree	5%

(Source: U.S. Dept. of Labor, Bureau of Labor Statistics)

Historically the more education workers have, the less likely they will be unemployed. Workers without a high school diploma have an unemployment rate of a whopping 15.6%, while workers with a bachelor's degree feel

far less pain with an unemployment rate of 5%. In between those extremes, workers with an associate's degree have an 8% unemployment rate, while high school grads are hit with 10.5% unemployment.



The Secret to Success

Embrace failure. It may be the real secret to success.

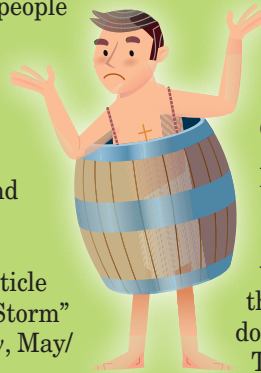
Perhaps the early failures of wildly successful people like Steven Jobs, J.K. Rowling and Michael Jordan are the real source of their resilience and ultimate success suggests Bruce Grierson in his article "Weathering the Storm" (*Psychology Today*, May/June 2009).

There are so many good lessons to be learned by a significant

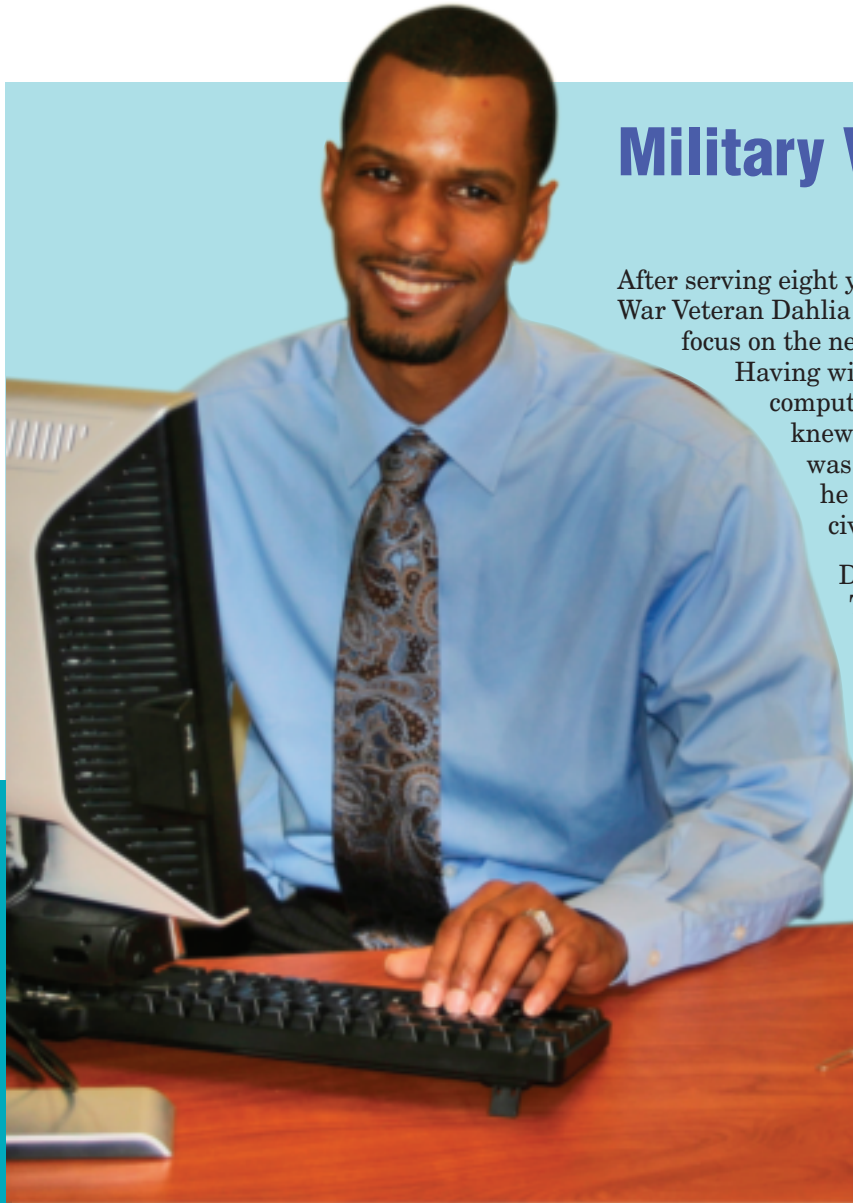
failure, that you may want to get right out there and fall on your face so that you can get up, brush off, and get on with it. "Adversity, setback, and even trauma may actually be necessary for people to be happy, successful, and fulfilled," writes Grierson.

How can you turn failure into the kind of learning experience that transforms you rather than letting it drag you down? Part of it is honesty. The more you take the time to commiserate with others, address your feelings and look for alternatives, the

easier it is to move on. The other part of it is attitude. The more you can cultivate a sense of optimism and humor that allow you to accept responsibility and create a new start, the more likely you are to eventually succeed. **CF**



Alumni Spotlight



Military Vet Goes High Tech

After serving eight years in the army, Iraq War Veteran Dahlia Watkins was ready to focus on the next phase of his career.

Having witnessed the value of computers in the military, he knew information technology was a growing field, and one he wanted to pursue as a civilian.

Dahlia enrolled at Wake Tech while working full-time as a security officer. “It was rough – trying to balance work and school,” he says. He decided taking classes online might be the answer and he was right. Dahlia completed his associate’s degree in Computer Information Technology first, and then pursued a second one in Networking Technology – all while he continued to work full-time.

Creating Success
Hope • Opportunity • Jobs

“This has been a long time coming. I think my new employer saw the value of my Wake Tech education.”

— Dahlia Watkins

Now, three years later he has a new full-time job – this time in the field of his choice. Even before he completed his second associate’s degree, a Raleigh software development company offered Dahlia a position as a Tech Support Specialist. “This has been a long time coming,” says Dahlia. “I think my new employer saw the value of my Wake Tech education and was impressed with my two associate’s degrees.” **CF**

Student Spotlight

International Student Achieves Excellence

Aneta Mrozek left her home in Poland with a dream: She wanted an American education and all the opportunities it could offer. “I had some fears at first,” Aneta says. “Leaving my family behind, learning English ... I wasn’t sure I had the courage to go through the experience on my own.”

But courage she found, as she immersed herself in American culture. She enrolled at Wake Tech in Business Administration, joined Phi Beta Lambda, the student business organization, and got a part-time job. Aneta excelled academically, earning a 3.93 GPA. “Aneta is a very hard worker who embraces challenges,” says Sandy Dietrich, Wake Tech’s Business Technologies dean. “She’s overcome obstacles that anyone would find daunting and remains cheerful and kind.”

Aneta is a winner of the 2010 President’s Award for Excellence, the highest honor a Wake Tech student can receive. But that’s not all: Aneta was also selected to be Wake Tech’s representative at the NC Community College System’s Academic Excellence

“I have nothing but positive things to say about Wake Tech instructors. They are a big part of student success here.”

— Aneta Mrozek

Awards, a state-level honor that includes an invitation to the Executive Mansion to meet Governor Bev Purdue!

“I have nothing but positive things to say about Wake Tech instructors,” says Aneta. “They are a big part of student success here.” Aneta is a spring 2010 graduate, and her dream is still alive: She plans to continue her education and one day earn an MBA. **CF**



Skill... Talent... Time...

Wake Tech Gives it Up for the Community!

A typical day finds Wake Tech students rushing to and from classes, studying in the library, hanging out with friends, or ... painting porch rails at a Habitat for Humanity house? Absolutely!

Working at a Habitat site is one of many service opportunities Wake Tech's Volunteer and Service Learning Program offers students, faculty, and staff. The new program, implemented last fall, builds on the College's tradition of service, sponsoring a variety of projects through which volunteers can share their special talents or simply work on projects they find interesting and fun.

"Volunteer service like this allows students to hone many different kinds of skills – and gives them a chance to see what an actual work day might be like in certain fields," says Rita Jerman, Wake Tech's Vice President of Student Services. Students say they enjoy the sense of accomplishment, while gaining some real-world experience that they can add to their resumes!

More good news: Each fall, up to 12 students are selected to be part of NC-ACTS, North Carolina-Activating Citizenship



Wake Tech cheerleaders visit with a resident at Rex Rehab.

Through Service. After they have contributed 300 service hours, they're eligible for \$1,000 that can be applied toward college tuition or student loan repayment. Wake Tech is one of only 35 North Carolina colleges and universities that participate in NC-ACTS.

Wake Tech faculty and staff get in on the Volunteer and Service Learning Program as well, bringing their expertise as they work side-

by-side with students on projects throughout the county. Many spent the Martin Luther King, Jr. holiday renovating a playground at an aging child care facility in Southeast Raleigh. They supported donation drives like Soul to Sole, collecting gently-used shoes for the Helping Hand Mission of Raleigh, and Hold Your Head Up, a suit drive for women preparing to enter the workforce. In addition, this year marked the first annual Staff & Faculty Day of Service which offered several volunteer opportunities for Wake Tech employees.

In the first year of the Volunteer and Service Learning Program, more than 260 volunteers completed 1300 hours of service, helping more than 4,000 recipients in the community!

AmeriCorps VISTA Representative Chris Doll is the Volunteer Coordinator. "Wake Tech is inspiring students, staff, and faculty to draw on their talents and be generous with their time," says Doll. "When a college offers its 'people resources,' it can truly make a sustainable impact in the area it serves."



The concept is not a new one at Wake Tech. Some programs have a community service component that complements classroom study. Students in the Early Childhood Education program volunteer regularly at that aging childcare facility in Southeast Raleigh, while students in the Dental Hygiene program help provide dental care to low-income children. In athletics, Wake Tech's cheerleading team visited the Rex Rehab Center to lift the spirits of elderly residents, and the baseball team hit a home run assisting special needs children in the Triangle Miracle League.

Wake Tech is committed to being a good steward of community resources – that's why teachers, staff, and students alike have embraced projects from chopping wood to tech support. Volunteers begin each service project ready to give of themselves; more often than not, they report feeling that they are the ones who gain.

To learn more about the Wake Tech Volunteer and Service Learning program, visit <http://www.waketech.edu/volunteer>. **CF**

How to Enroll in Classes at Wake Tech



Apply for Admission

1. Visit <http://admissions.waketech.edu> and complete an online Application for Admission.
2. Have your official high school transcripts (as well as college transcripts, SAT scores, or ACT scores, if any) mailed to:
Wake Technical
Community College,
Admissions Office
9101 Fayetteville Road
Raleigh, NC 27603
3. Schedule a college placement test here:
<http://testingcenter.waketech.edu> (certain exemptions apply)
4. Apply for assistance, as appropriate: financial aid, scholarships, or veteran's benefits.

Get Advice

1. Meet with an academic advisor. Your advisor will assist you in selecting the courses you need to meet your academic goals and/or program requirements.

2. If you are planning to take classes but do not plan to earn a degree, diploma, or certificate, you may enroll as a "special student." Special students are not required to see an advisor.

Register for Classes

You may browse course offerings or search for class 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:

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 Registration heading, click **Search for Curriculum Sections** or **Register for Sections** and follow the prompts.
5. 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 - Fall 2010 Semester

Semester Dates.....	August 16 – December 15
Registration period	*June 1 – August 15
	* Students register by assigned priority
Tuition payment deadlines: If you register:	
June 1 – July 29, payment is due	July 29
July 30 – August 15, payment is due.....	August 15
August 16 or after, payment is due same day as registration	
Last day to add a Second 8-Week Mini-mester class.....	October 19

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

Wake Tech A to Z

The Shape of Your Future



Architecture, baking, civil engineering, dental hygiene, geospatial technology... so many possibilities, so little time!

Wake Tech's cutting-edge courses and programs offer opportunities to fit everyone's plans for the future. Whether you're beginning a degree, completing a degree, or looking for training that

will help you advance at work, Wake Tech has what you need.

Check out the listings that follow. If you're unsure or want to discuss your options, talk with one of our admissions advisors at 919-866-5500.

Your future is starting to take shape! **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, C	Careers that entail analyzing, processing, and communicating information about financial operations; workplaces include accounting firms, businesses, banks, hospitals, school systems, and government agencies.	27,250 - 36,000
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 Technology	AAS, D, C	Employment as a technician, trained to design, install, and service air conditioning, heating, and refrigeration equipment; work with residential and light commercial systems including start-up and preventive maintenance.	28,101 - 46,197
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.	28,200 - 67,100
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.	41,743 - 81,027
Business Administration/ Human Resources Management*	AAS, C	Positions in human resources departments including recruitment, training, and human resources development; work in business, industry, or government agencies.	31,820 - 55,540
Civil Engineering Technology	AAS, C	Jobs as a technician in the construction of 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 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	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	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 Technology	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.	25,040 - 38,600
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.	49,500 - 68,400
Early Childhood Associate	AAS, D, C	Jobs working with children in learning environments, including preschools, public and private schools, recreational centers, Head Start programs, child development programs, and programs for school-age children.	20,301 - 32,594
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 Technology	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
General Occupational Technology	AAS	Employment within specific career fields; students upgrade skills and earn an associate's degree according to individual occupational interests and needs; entry-level positions with advancement opportunities.	19,080 - 31,910
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
Heavy Equipment and Transport Technology	AAS	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
Hotel and Restaurant 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
Industrial Engineering Technology*	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;	30,500 - 75,800
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

* 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
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.	27,200 - 45,000
Interventional Cardiac and Vascular Technology	D	Employment as a Radiographer with knowledge and skills needed for entry-level intervention cardiac and vascular specialist positions; work environments include hospitals and imaging centers.	39,500 - 59,500
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.	28,200 - 67,100
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, and service industries.	31,100 - 73,300
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.	20,600 - 30,500
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, C	Employment as a transcription secretary, hospital secretary, records clerk, insurance form preparer, or patient accounting clerk; workplaces include medical offices, laboratories, insurance companies, and manufacturers and suppliers 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.	43,370 - 63,360
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	AAS, C	Administrative positions in private legal practices involving real estate and estate planning, corporate legal departments, and city, state, and federal government offices.	31,040 - 49,950
Pharmacy Technology	D, AAS	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.	38,627 - 56,500
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.	28,560 - 40,750
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.	20,342 - 49,546
Transfer Core Diploma (Arts)	AA Transfer Diploma	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 44 hours.	N/A
Transfer Core Diploma (Science)	AS Transfer Diploma	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 44 hours.	N/A
Web Technologies*	AAS, 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, <http://www.bls.gov>; <http://www.salary.com>, <http://www.cbsalary.com>, and employer surveys. Salaries may vary based on experience, education, and location.

Eye on the Eagles

Play ball! For the first time in its history, Wake Tech has a baseball team – and play began in the spring 2010 season. “We have a great bunch of guys with some real talent – and they pull together,” says Coach Chris Kiec. Kiec, formerly a coach at Cary High, says Wake Tech is the perfect place for players to hone their skills and build a solid foundation – not only in sports, but in their studies as well.

That’s exactly what centerfielder Landon Adams wants to do. The Middle Creek High School graduate hopes to transfer to NC State University, and he believes his Wake Tech experience will help him get there. “Coach Kiec is intense,” Adams says. “He pushes us, but that’s only going to make us better.”

Pedro Roa, another member of the Wake Tech Eagles, agrees. “I love the coaches and the way everybody pulls together to try to win the



game.” Originally from Venezuela, Roa played on a traveling baseball team in Miami before coming here. His sights are set on playing professionally, but for now he says he’s grateful to be able to work toward a college degree while playing the sport he loves. The same is true for pitcher Michael Griffin, a Harnett Central High School graduate. Griffin



is excited to be a part of Wake Tech’s first baseball team while he explores two fields of study – engineering and criminal justice.

“We’re off to a great start,” says Athletics Director Barry Street. “Our

goal is to help our players, especially recent high school graduates, successfully balance athletics and academics. I have no doubt we’re building a solid foundation for a successful program.”

Wake Tech has a women’s softball team, too! They also got started in the spring of this year.

Find out more and support your Wake Tech teams! Schedules for all Eagles events are available at <http://athletics.waketech.edu>. **CF**

GO EAGLES!!



Wake Tech Alumni



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H³O provides a seamless transition from high school to Wake Tech without duplicating efforts or repeating courses.

Yes, it's true! High school students can earn college credits while still in high school. Here's how...

Articulation Agreement:

Students can earn transfer credits for completion of identified Career and Technical Education courses taken at their high school. Credits are awarded upon enrollment at Wake Tech Community College.

Huskins Cooperative Program Agreement:

Students can take community college courses specifically designed for high school students at no charge. Students earn both high school and community college credit through this dual-enrollment program.

Concurrent Enrollment:

Students can take almost any course at Wake Tech Community College tuition free. Students earn both high school and community college credit through this dual-enrollment program.

Start planning your career pathway today:

- Go to h3o4u.net
- Take online career interest profiler.
- Read career description and salary information for career interest.
- Select desired course matrix for your career interest.
- Determine course options and sequence.
- Contact your school counselor and career development coordinator.

h3o4u.net has information for:

- Students
- Parents
- School Counselors
- Career Development Coordinators
- High School Teachers
- Wake Tech Instructors
- Wake Tech Admissions Counselors
- Employers

Learn & Earn Online:

Students can take free online college courses at most NC community colleges and earn both high school and community college credit through this dual-enrollment program.

Apprenticeships:

Students can earn an industry-recognized credential through on-the-job training and a sequence of high school and college courses.

