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Spring 2014 • Volume 7 • Number 1

# lareer Hoculs

## The Big Pay-Off!

How to Live a Debt-Free, Stress-Free Life Page 4

## Fire Up Your Compute

A Hot New Online Program Page 6

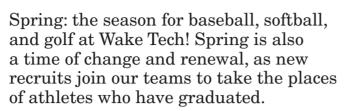
Page 2

### Broaden Your Horizo Taking Education Far Beyond the Classroom

 Taking Education Far Beyond the Classroom

 Page 8

## Eye on the Eagles



Our athlete grads can feel confident that they have a top-notch education as they move on to continue their academics or enter the professional world. Their involvement in Wake Tech athletics is a bonus – they've built skill and gained recognition that may lead to new opportunities in their sport.

Baseball standout Rvan Kennedv is one such athlete. Kennedy received national attention when he was named the 2013 Defensive Player of the Year for Division II of the National Junior College Athletic Association (NJCAA). After graduating from Wake Tech in 2013, Kennedy scored a position on the Division I baseball team



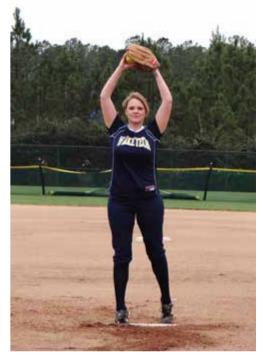
at Florida A&M University. "You need players who are willing to look beyond personal goals and benefit the team. and Ryan is the epitome of this," says Coach Christopher Kiec.

Another outstanding athlete is Cheer team favorite Pete Graham. He honed his skills while at Wake Tech, and is now part of the NC State University Large Co-ed Cheerleading Team, performing coed partner stunts.

The Wake Tech athletics program's impressive reputation is opening doors to advancement for coaches as well! Van Williams, Wake Tech's 2012-13 Coach of the Year, was recently tapped by the University of Oregon, a prominent NCAA Division I institution, for the position of Assistant Golf Coach.

Wake Tech alumnus Scott Colley will replace Williams as Wake Tech's head golf coach. Colley made a name for himself as the first All-American in Wake Tech history. After graduating, he played on the golf team at the University of North Carolina at Pembroke - and now he's bringing his golf skills full circle, back to Wake Tech!

Wake Tech's athletics program continues to enrich the college experience and lead the way to opportunity. Everyone is



ATHLETICS

encouraged to come out to the games and support the Wake Tech Eagles! Teams compete in Region X in the NJCAA. More information and game schedules can be found at athletics.waketech.edu. You can also become a friend of Wake Tech on Facebook or follow @waketechsports on Twitter!

TECH

The Wake Tech athletics program's impressive reputation is opening doors to advancement for coaches as well!



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# Career Hocus

#### IFC Eye on the Eagles

#### COVER STORY

- 2 **Express Yourself** New Fine Arts Program **Offers Artistic Options**
- 4 The Big Payoff! How to Live a Debt-Free. Stress-Free Life

#### SPOTLIGHTS

- 5 Faculty: Meghan McIntyre Staff: Dr. Cheryl Keeton Student: Katie Layton
- 6 Fire Up Your Computer A Hot New Online Program

#### FACTS AND FINDS

- 7 Don't Worry, Be Happy!
- 8 **Broaden Your Horizons Taking Education Far** Beyond the Classroom

#### REGISTRATION

9 How to Enroll in Classes at Wake Tech

#### WAKE TECH A TO Z

- 10 I am a Wake!
- **IBC** The Power of the **Ripple Effect**



#### On the cover:

Iraq War veteran Tony Fields of Raleigh is pursuing an Associate in Fine Arts degree, with a concentration in visual art. After he graduates, he plans to transfer to pursue a bachelor's degree.



Are you alert to the possibilities that higher education holds? Are you aware of the courses and programs Wake Tech offers for furthering your education, building your resume, and acquiring workplace skills that are in high demand?

Wake Tech prepares students to continue their studies at four-year institutions, enter the job market with higher earning potential, move ahead at work, or start a whole new career! Our top-quality programs have been providing the region's citizens with avenues for personal and professional improvement for 50 years.

Our convenient class schedules, online options, multiple campuses, and extensive support services make taking that next step more inviting than ever. Look at what we have to offer and get ready to go forward toward your future!

Dr. Stephen C. Scott President





On the go? Read CareerFocus anytime on your mobile device, computer or tablet at



waketech.mycareerfocus.org



## **Express Yourself** New Fine Arts Program Offers Artistic Options











In music and in life – timing can be everything. It certainly was for 19-year-old Kailene Markeson, who came to Wake Tech to pursue an Associate in Arts degree. "My dream," she says, "is to become a music teacher!" Kailene loves to sing and play piano, and was thrilled when she heard that the college was launching a new Fine Arts program. In fact, she was one of the first students to sign up. "What perfect timing!" she says.

The program, which debuted in the fall of 2013, offers an Associate in Fine Arts (AFA) degree with two concentrations: music and visual art. Both provide a comprehensive and highly-personalized education with the core courses necessary to transfer to a four-year institution.

"Our mission is to provide Wake Tech students with sound instruction to guide them toward technical competence and a strong commitment to artistic quality," says Department Head Dina Law. "We want them to be successful when they transfer."

The music curriculum is hitting a high note with students like Kailene, exposing them to music theory, ear training, class piano, applied lessons, and ensemble. The program also offers performance opportunities,



Tony Fields

including chorus, vocal jazz ensemble, band, and music theater production. When Kailene graduates, she'll be well prepared to pursue a bachelor's degree in music. Kailene looks forward to classes and often arrives early to practice with other students. "I am dedicating myself to music," she says. "My instructors make it easy to succeed. They go above and beyond to make sure everyone understands."

Tony Fields agrees. The 33-year-old retired soldier is pursuing an AFA degree with a concentration in visual art. "Wake Tech instructors tailor classes to students' interests. It's very personalized, which is extremely helpful." The visual art curriculum provides a foundation in art while students complete the core academic curriculum. Coursework develops keen visual observation and problemsolving abilities, with additional focus on personal expression. The degree enables students to transfer into a









#### Kailene Markeson

bachelor's degree program in design, fine arts, art education, or art history.

At the age of 69, Marlene Proteau is pursuing an AFA degree to fulfill her passion for lifelong learning. Marlene's instructors were so impressed with her artwork that they asked her to create drawings of Wake Tech buildings for the college's 50th anniversary celebration. The Wake Tech Foundation recognized Marlene's work and rewarded her with a scholarship. "What an amazing opportunity," Marlene says. "I never had a sketch book until I came to Wake Tech. Now I'm taking classes in drawing and painting, and it's exciting!"

Wake Tech's commitment to fine arts extends to the community as well. Performances, presentations, and workshops by students, faculty, and visiting artists are open to the public throughout the academic year. Performances have included musicals, such as Stephen Sondheim's "Into the Woods," and a concert series that began with a night of jazz music last October. The Fine Arts Department also sponsored the very first "Wake Tech Idol" competition!

The Associate in Fine Arts degree programs are housed primarily on Wake Tech's Northern Wake Campus, which features exhibition spaces, a 300-seat performance hall, and

#### Fine Arts Degree Requirements:

MUSIC
Theory I – IV
Chorus or Ensemble
Class Piano I and II
Applied Lessons
Music History
ART
Drawing
Design I and II
Art Survey I and II
Elective Options: Painting, Sculpture, Printmaking, Figure Drawing, Watercolor, Computer Art

environmentallyfriendly studios designed to enhance academic artistic development. Classes are also held on Wake Tech's Main Campus.

"At Wake Tech, fine arts students will develop the skills they need to meet the requirements of an AFA degree program," says Law. "However, they will also be exposed to new trends, techniques, and standards that will position them competitively in their careers." Students will be poised for success – without skipping a beat!

For more information and performance schedules visit finearts.waketech.edu.



Marlene Proteau



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## The Big Payoff! How to Live a Debt-Free, **Stress-Free Life**

Housing, transportation, and food - oh my! Before you know it, the bills pile up. Part of the challenge of living a successful and stress-free life is knowing how to manage your money. Should you save in the bank or invest in the stock market? How can you improve a low credit score? Is it too early to think about retirement? These topics, not normally addressed in school, can lead to knowledge and skills that will help you live the lifestyle you desire.

Wake Tech is glad to partner with SunTrust to provide vital financial literacy education for students and others in the campus community. The SunTrust Center for Financial Education, in partnership with the National Financial Educators Council, offers complimentary financial empowerment workshops, an online learning center. contests with prizes, and much more. All the services are designed to help students learn how to make sound financial decisions, avoid debt, and have a more promising future.

"Student loan debit is soaring," says John Saparilas, Wake Tech's Associate Vice President of Enrollment Management. "It's important that we educate students about the do's and

don'ts of the dollar – so that they're more likely to achieve financial freedom down the road."

According to the American Psychological Association, more than 75% of people surveyed report money as a significant cause of personal stress. (Stress in America, 2010)

> The Center for Financial Education isn't just for students; it takes a comprehensive approach to financial literacy. Anyone can use the free online tools and attend complimentary sessions during Wake Tech's annual Open House, coming up

this spring.

For more information, visit waketech.edu/financial-education. It's sure to pay off in the long run!



## **Financial Literacy Quiz**

How well do you know your personal finances? Check your response with the answer on page 8.

If I invest \$100 per month starting at age 21, and that money earns a 7% return, how much will I have after 70 years?

A. \$138,957

- B. Between \$150,000 and \$225,000 depending on life expectancy
- C. More than \$1.5 million
- **D.** None of the above

Take the rest of the Financial Literacy Quiz online at waketech.edu/financial-education.





#### Meghan McIntyre 2013 Instructor of the Year

At the beginning of each semester, Meghan McIntyre spots an athlete in her math class and asks, "How do you get better at your sport?" The answer is usually a resounding "practice!" She talks about how an athlete gets sweaty and dirty, sometimes bruised and bleeding – in order to excel. "I tell them it's the same with math," says McIntyre. "The homework is that 'down and dirty' practice that you need before game day, or in this case, exam day!"

**Title:** Math Instructor, Western Wake Campus.

**Background:** I grew up in Western North Carolina. I came to Raleigh

for school, fell in love with the area, and chose to stay. I love the opportunities available in the Triangle.

**Education:** BS degrees from NC State University in Math and High School Math Education, MA in Math from Duke University

**Industry Credentials:** Member of the American Mathematical Association of Two Year Colleges

**Work Experience:** I've taught at Enloe High School, Duke University, and now Wake Tech. I taught ballet and Pilates for four years during that time as well.

### Dr. Cheryl Keeton 2013 Staff Member of the Year

As Wake Tech's Dean of Math and Sciences, Dr. Cheryl Keeton is a strong advocate of education in STEM (science, technology, engineering, and math). Keeton's innovative thinking has helped bring about a renewed focus on these fields, including the opening of Wake Tech's STEM Centers, where students can collaborate and get expert advice. "We know that STEM fields hold unlimited prospects for these students," says Dr. Keeton, "That's where opportunities for stimulating careers will be when they graduate."

Title: Dean, Math and Sciences

**Background:** I grew up on our family farm in Pennsylvania. As a young adult, I owned and operated a small business, Virginia Credit Corporation, while working on my bachelor's degree and raising my family. I've been in education almost all my adult life in the classroom, in the virtual space, and designing educational resources through video and on the web. My focus is on quality in education and I remain a lifelong learner.

**Education:** BS in Secondary Education/Mathematics, MS Education/Mathematics, Ed.D Educational Leadership/ Instructional Technology

**Work experience:** Education – teacher, high school, community college, university; Chief Academic Officer, NC Virtual Public School. Corporate – Curriculum Specialist in Math, SAS. Government – Mathematics Specialist, NASA; small business owner.

**Special honors, awards, and accomplishments:** The awards that I cherish the most are the ones that came from my peers and mentors. These are my favorites: School Bell Award - Norfolk Public Schools, VA; Excellence in Teaching Award, Mentoring Program Award, and Excellent Teaching Technique Award - College of the Albemarle; Excellence in Service Award and Staff Member of the Year Award -Wake Tech Community College

**Personal/Family:** I am blessed with a wonderful husband, Charles Keeton, and a blended family of grown children and grandchildren.

**Hobbies:** Playing guitar, hiking, biking, and travel. My favorite pastime is playing chess with my husband.

Best thing about Wake Tech is... that it is small enough to feel like family and big enough to let you spread your wings. I love being surrounded by the creativity of faculty and staff and I appreciate the support of my colleagues and mentors. Everyone is encouraged to explore innovative ways to raise the quality of education and our service to students.

**Advice:** Take every opportunity to discover new things and meet new people.

Special honors, awards, and accomplishments: Park Scholar at NCSU; 2013 Excellence in Teaching Award, Math and Science Division and 2013 Instructor of the Year Award, Wake Tech; presented "Standards Based Grading" at the AMATYC national conference in 2011 and "Teaching Success Skills" at the November 2013 AMATYC conference.

**Personal/Family:** I have been married to Jason for five years. We do not have children yet, but we do have a sweet kitty named Bentleigh.

**Hobbies:** I love to quilt and sew clothes, along with crocheting and cross-stitching. If I am really stressed, I tend to make a batch of cupcakes and double the icing.

Best thing about Wake Tech is... the supportive environment for both

Student Spotlight

Katie Layton Student Government Association (SGA) President

Katie Layton is passionate about setting goals, becoming involved, and taking advantage of all available resources. As SGA President, she encourages all students to do the same. Katie believes new skills can sometimes come from unlikely sources: "If you have a fear of speaking in public, you can take the storytelling class at Wake Tech," she says. "It was a fun class! It helped me break out of my shell and helped prepare me to become a public speaker."

**Current standing:** I am a Certified Nursing Assistant (CNA) working toward an associate's degree to become a registered nurse (RN); SGA President, member of the Wake Tech Board of Trustees, and work study student.

**Background:** I was born in Wisconsin, lived in Iowa from middle school through high school, and moved to North Carolina soon after high school.

**Special honors and awards:** Plaque for serving as an SGA senator 2011-2012; Certificate of Appreciation and Above and Beyond award, SGA Senate Chair 2012faculty and students. I think it's important to get to know students and find out the best ways to help them learn, and to get them to interact and participate in learning. Wake Tech encourages this focus – it's part of the math department's values, called "formative assessment."

Advice: Keep your goals in front of you; do a little bit to reach them every day. It's the "slight edge" effect: small actions compounded over time yield exponential success.



2013; Certificate of Thanks and Appreciation, Inspirational Choir 2013.

**Educational plans:** I plan to get my associate's degree in nursing at Wake Tech and then pursue a bachelor's degree.

**Career plans:** I want to see the world, so I want to be a traveling nurse. I haven't chosen a specialty yet - the great thing about becoming a nurse is that there are so many different fields and so many opportunities.

> **Work experience:** I am a work study student at Wake Tech. I have worked in the SGA for three years.

Personal/Family: I am the proud mother of a beautiful five-year-old girl. Having her drives me to be the best that I can be every day. I have a wonderful, supportive mom who has helped me in every way possible.

**Hobbies:** I love dancing, horseback riding, swimming, drawing, and painting

**Best thing about Wake Tech is...** I think Wake Tech has given me so many opportunities to grow and learn.

Advice for prospective/current Wake Tech students: Get involved in your college; seek out clubs and leadership opportunities. Take advantage of your resources; Wake Tech offers lots of ways to help you if you are struggling. Find your passion and never underestimate your ability to do anything you want to do.

## Fire Up Your Computer A Hot New Online Program



Whether you're a seasoned firefighter or interested in getting into the field, Wake Tech's Fire Protection Technology program can prepare you for a career in fire prevention, safety, supervision, or investigation. To accommodate busy work schedules, this program is now offered totally online!

"We know that lots of people want to earn this degree to 'move up the ladder,' but attending class while you're working can be difficult," says Lead Instructor Keith Mitchell. "We've changed the program to help make it more practical for those who want to enroll."

Major components of the program include hazardous materials operations, arson investigation, leadership, and fire laws and

#### "We've changed the program to help make it more practical for those who want to enroll."

codes. The degree prepares graduates for work in government agencies, industrial firms, insurance organizations, educational facilities and municipal fire departments. Those already employed in the field should be qualified to move into skilled and supervisory-level positions within their organizations. For more information, visit fireprotection.waketech.edu.

### Learning Tools for a New Career

"My experience at Wake Tech was life changing. The college helped me figure out exactly what I wanted to do."

#### -Candis Parker

At 30, Candis Parker is enjoying a new career – one that she was surprised to find she wanted! Candis was an event planner and interior designer when she came to Wake Tech in 2011. She signed up for architecture classes with the goal of broadening her skills; but after three construction courses, she decided to pursue an associates' degree in Construction Management.

Candis excelled in the program, making the President's List almost every semester. "The hands-on training and guidance from instructors helped me discover my



strengths and what was right for me," she says. Candis also became the very first recipient of a new scholarship named after Wake Tech's president, Dr. Stephen Scott. As the first Scott Scholar, she participated in leadership development activities while pursuing her studies. "The scholarship was a great honor," Candis says. "It really boosted my confidence."

Candis was selected to speak at Wake Tech's 50th anniversary kick-off celebration, and at her spring 2013 graduation ceremony. Afterward, she jumped right into her new career. An internship at Balfour Beatty, a leader in the U.S. commercial construction industry, turned into a job offer! Candis accepted a position as a project engineer in the preconstruction department and says Wake Tech helped her discover her passion. "My experience at Wake Tech was life changing. The college helped me figure out exactly what I wanted to do."



## Facts and NOS\*

#### **STEM Grows Jobs**

Why such a big deal about STEM – science, technology, engineering and math? Not only do these fields offer important information for all of us, they also hold the promise of a good career! In fact,

STEM jobs are expected to grow twice as quickly as jobs in other fields over the next five years, according to National Math and Science Initiative (NMSI), a nonprofit organization dedicated to getting more American students college-ready and prepared for the jobs of the future. So if you're looking for a good career path, think STEM!!

For more information, visit stem.waketech.edu.



### \*\*\*\*\*

#### Don't Worry, Be Happy!

Happy people are more likely to get the best jobs. That's according to careerealism.com, which points out that people who are happy have a magnetic effect on those around them. The more people are drawn in by your happiness, the more likely they are to return the favor, recommend you for jobs, and introduce you to influential people.

> Already have a job? Find out just how happy you really are! Take the online Happiness at Work survey at app.happinessatworksurvey. com. It compares your results with national benchmarks and even offers advice on how to become happier! Now, that's something to smile about!







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You

Tube

commemoration!

#### Top 10 Skills for the 21st Century Young Professional

For every open position, there are hundreds of applicants who **could** do the job, from a technical standpoint. What can set you apart in the job hunt, according to youtern.com, are so-called soft skills. The top 10 are listed below:

- Leadership
- Critical Thinking
- Communication
- Collaboration
- Productivity

- Adaptability
- Innovation
- Analytical skills
- Entrepreneurism
- Global citizenship

Sign up for Wake Tech's e-News: enews.waketech.edu

## Broaden Your Horizons Taking Education Far Beyond the Classroom

Wake Tech's Travel Abroad program offers several opportunities each year for students, instructors and members of the community to visit fascinating countries at an affordable price. Trips for 2014 include:

- Italy/Greece: May 14–23, 2014
- Vietnam/Cambodia/Thailand: May 12-21,2014
- Ireland/Scotland: June 5–14, 2014
- Cuba: July 25–August 1, 2014

"International exchanges are a wonderful way to experience other cultures and prepare students for success in a global economy," says tour organizer and Wake Tech instructor Jeff Myers. Myers led a group on a unique trip to communist Cuba last summer. "It was like stepping back in time! Everything is as it was in the late 1950s, when Fidel Castro came to power." Wake Tech student Courtney Cunningham was undecided on a major until she took trips to Western Europe in 2012 and Eastern Europe in 2013. "I always wanted to travel," the 22-year old Green Hope High School graduate says. "Wake Tech gave me the opportunity, and now I'm hooked!" Courtney plans to pursue bachelor's degrees in International Business and International Studies after completing her Associate in Arts degree at Wake Tech – AND after she takes another trip! Courtney has already signed up to travel to Vietnam, Cambodia and Thailand in May, and she's on a payment plan to help make it affordable. "I'm so excited!" she says.

Tours are arranged through Explorica, an agency that offers educational tours full of authentic, interactive learning experiences. Some of the trips even include an option for college credit.

Some Wake Tech programs offer their own travel abroad opportunities: Culinary Arts takes a group of students to France every year to study at a culinary school! Making plans for next summer? How about studying history, business, communications or the arts in







Salzburg, Austria. It's a five-week summer program at Salzburg College that will include classroom instruction plus tours and excursions! To find out more, visit travelabroad. waketech.edu.





## Financial Literacy Quiz

#### Here's the answer to the financial literacy question on page 4. Did you get it right?

If I invest \$100 per month starting at age 21, and that money earns a 7% return, how much will I have after 70 years?

C. More than \$1.5 million

#### Explanation

Compound interest principles make becoming a millionaire easy for those who start young. The most important factor in money growth is time—so start saving now and enjoy your rewards! Take the rest of the Financial Literacy Quiz online at waketech.edu/financial-education

# How to Enroll in Classes at Wake Tech

## Step 1: Apply for Admission

- ☑ **Complete an online Application for Admission:** admissions.waketech.edu and follow prompts
- ☑ Apply for Financial Aid and Veterans benefits (if applicable): financialaid.waketech.edu
- ☑ **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
- $\ensuremath{\boxtimes} \ \ \mbox{Schedule a college placement test: } testingcenter.waketech.edu$
- ☑ Meet with an academic advisor: advising.waketech.edu get help for selecting the courses you need to meet your academic goals!

## Step 2: Register for Classes

**Browse course offerings:** You can plan your classes and schedule without a User ID or a password! Visit webadvisor.waketech.edu, click **Future Students**, and **Search for Curriculum Sections.** [For step-by-step, detailed instructions for WebAdvisor, visit wainfo.waketech.edu]

#### When you're ready to register for classes:

- ☑ Activate your Key Account It's 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.
- ☑ Visit webadvisor.waketech.edu, click **Log In**, enter your Key Account User ID and password, and click **Submit**.
- ☑ Select Current Curriculum Students (Credit).
- ☑ Under the heading "Registration," click **Register for Sections** and follow the prompts to select your classes.

### Step 3: Pay Tuition

Pay for your classes – online or on campus – before the deadline, and you're ready to go!

Key Dates – Spring 2014 Semester	
Semester dates	01/06/2014 – 05/07/2014
Registration period*	10/29/2013 – 01/05/2014
Last day to add a full 16-week class	
Last day to add a first 8-week mini-mester class	
Last day to add a second 8-week mini-mester class	
*Students	register by assigned priority
Tuition payment deadlines: If you register:	
10/29/2013 – 12/12/2013, payment is due	
12/13/2013 – 01/05/2014, payment is due	
01/06/2014 and beyond, payment is due same day	vou register



### Questions about Admissions or Advising?

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

#### **Questions about Registration?**

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

#### Wake Tech Road Scholars 5K Run/Walk Saturday, March 15, 2014



- Open to all
- Music and refreshments
- Awards for top individuals and teams

Proceeds fund student scholarships.

Northern Wake Campus 6600 Louisburg Road, Raleigh

roadscholars.waketech.edu



## I am a Wake!

I'm focused on my future and taking bold steps toward my goals. I chose Wake Tech because it offers relevant courses and degree programs that can help me prepare for a rewarding professional life. Wake Tech's flexible scheduling, multiple campus locations, and online options give me the flexibility I need to juggle work, school, and life! Student support services offer resources to help me excel academically and design a career pathway to success. Are you focused on your future? Are you a Wake?



Credentials Key:			
AA = Associate in Arts	AS = Associate in Science	AFA = Associate in Fine Arts	AAS = Associate in Applied Science
AGE = Associate in General Education	<b>D</b> = Diploma	<b>C</b> = Certificate	

### Wake Tech Community College A-Z

Area of Study	Credentials offered	Prepares you for	*Salary Median/ Range			
Accounting*	AAS, D, C	Careers that involve analyzing, processing, and communicating information about financial operations; workplaces include accounting firms, businesses, banks, hospitals, school systems, and government agencies.				
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.	29,472 - 46,964			
Architectural Technology	AAS, C	Positions that involve the preparation of construction documents, including environmental and structural systems, materials and methods, and building codes; employment in the architectural, engineering, and construction professions.				
Associate in Arts*	AA					
Associate in Fine Arts: (Pre- Major: Art)	AFA	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.				
Associate in Fine Arts: (Pre- Major: Music	AFA					
Associate in Science	AS	General education with emphasis on intellectual growth and personal enrichment; can be tailored to student interests rather than to specific technical or professional requirements.         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.         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.				
Associate in Science: (Pre-Major: Engineering)	AS					
Associate, in General Education*	AGE					
Automotive Systems Technology	AAS					
Baking & Pastry Arts	AAS, D, C					
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.	24,568 - 45,082			
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.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.A career as a business analyst with the ability to analyze and propose methodologies which help firms increase profitability in diverse industries including health care, marketing, information technology and finance. Graduates qualify to sit for SAS certification exams.A position as an office or field technician involved in construction management, site planning, construction layout, site inspections or materials testing; employment in public and private sectors of the engineering and construction industry.				
Business Administration/ Human Resources Management*	AAS, C					
Business Analytics	AAS, C					
Civil Engineering Technology	AAS, C					

Area of Study	Credentials offered	Prepares you for	*Salary Median/ Range
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)	
Computer Engineering Technology	AAS	Jobs consisting of installing, servicing, and maintaining computers, peripherals, networks; specialties include computer networks, server maintenance, and programming; graduates may qualify for certification in electronics, computers, or networks.	
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.	
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
Computer Technology Integration - Data Storage & Virtualization	AAS	Industry-specific certification exams; Careers in computer technology involving datacenter technologies, virtualization methods, and large volume storage centers; work as designers, testers, developers, or support technicians in organizations which rely on computer systems to design and manage information.	35,000 - 85,000
Construction Management Technology	AAS, C	Job opportunities including construction project manager, superintendent, foreman, or estimator in the residential or commercial construction industry.	34,253 - 43,210
Cosmetology	AAS, D	Careers in cosmetology, providing professional imaging, hair design, chemical processes, skin care, and nail care in salons and spas; graduates qualify to sit for the State Board of Cosmetic Arts exam.	24,060 - 47,909
Criminal Justice Technology	AAS, C	Professions in law enforcement, corrections, and security fields; positions include police officer, deputy sheriff, county detention officer, state trooper, parole surveillance officer, correctional officer, and loss prevention specialist.	32,508 - 56,319
Criminal Justice Technology/ Latent Evidence	AAS, C	Employment as a crime scene technician/processor (first responder) with skills in collection and preservation of evidence, sketching crime scenes with CAD software, and analysis, lifting, classification, and preservation of fingerprints.	34,410 - 56,360
Culinary Arts	AAS, D, C	Employment as a trained professional in food service with potential advancement to sous-chef, executive chef, or manager in restaurants, resorts, or as a business owner; American Culinary Federation certification is available to graduates.	22,277 - 42,182
Database Management	AAS, C	Jobs in administrative, development, or data warehousing; positions include database analyst, specialist, administrator, .NET developer, or web application developer.	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 schools.	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; work in dental offices, clinics, public health agencies, industry, and educational institutions.	
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.	
Diploma in Science	AS Transfer Diploma		
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.	
Electrical Systems Technology	AAS, D, C	Positions in the electrical profession, assisting in the layout, installation, and maintenance of electrical systems in residential, commercial, and industrial facilities.	
Electronics Engineering Technology	AAS, C	Occupations designing, building, installing, testing, troubleshooting, and repairing electronic components and systems; positions include electronics engineering technician, field service technician, maintenance technician, or production control technician.	32,500 - 66,470
Emergency Medical Science	AAS	Employment as a paramedic, with knowledge and skills in basic and advanced life support; eligibility for both state and national certification exams; workplaces include fire and rescue agencies, air medical services, hospitals, urgent care centers, and physician's offices.	
Environmental Science Technology	AAS, C	Jobs involving biological and chemical laboratory testing and analysis of environmental samples for the health and safety of people and the ecosystem; positions in water treatment, safety, hazardous waste and site remediation, and environmental education and awareness.	26,794 - 43,875
Esthetics	C	Performing skin care, makeup application, scientific manipulations, and electrical applications; work environments include day spas, salons, medical practices, cruise ships and destination resorts.	24,300 - 36,000
Fire Protection Technology			30,000 - 40,000
Geomatics Technology (for- merly 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.	33,483 - 48,913
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	
Health and Fitness	AAS	Positions in health and wellness programs in commercial fitness clubs, business, industry, YMCAs/YWCAs, parks, recreation, and other organizations with exercise & fitness programs.	
Heavy Equipment and Transport Technology: Agricultural Systems	AAS, D	Occupations involving troubleshooting and repair of agricultural equipment, including farm tractors, planters, sprayers, and harvesters; entry-level employment in agricultural systems equipment repair businesses.	
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.	
Heavy Equipment and Transport Technology: Diesel and Heavy Equipment	AAS, D	Jobs in vehicle repair businesses; entry-level troubleshooting and repair of medium- and heavy-duty vehicles, including repair of engines, electrical and hydraulic systems, transmissions, brakes, and steering/suspension systems.	29,261 -54,105

Area of Study	Credentials offered	s Prepares you for	
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.	
Human Services Technology	AAS	Entry-level positions in institutions and agencies that provide social, community, and educational services, including mental health, child care, rehabilitation, and education.	
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.	38,520 - 60,000
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 - 58,410
Information Systems Security	AAS, C	Employment as security administrator who utilizes networking technologies, intrusion detection, security administration, and industry best practices to protect data communications; eligibility to pursue security certification.	46,838 - 105,750
Interior Design	AAS	Careers in commercial and residential interior design, set design, and/or showroom design, with training in professional practices, aesthetic principles, computer-aided design, color theory, and business practices.	23,691 -44,862
Landscape Architectural 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.	29,457 - 33,328
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
Magnetic Resonance Imaging (MRI)	D	Employment as an MRI technologist who uses magnetic energy fields to produce images of the human body in health care facilities; eligibility to take the American Registry of Radiologic Technologists (ARRT) examination for certification and registration.	40,000 - 65,000
Mechanical Drafting Technology	AAS, D, C	Careers involving the use of computer applications to produce drawings of mechanical parts, mechanisms, and components of mechanical systems; employment in mechanical manufacturing, fabrication, research and development, and service industries.	38,551 - 48,186
Mechanical Engineering Technology**			34,155 - 47,036
Medical Assisting	AAS, D	, D A career as a health care professional who performs administrative, clinical, and laboratory procedures; work in physicians' offices, health maintenance organizations, and hospitals. eligibility to sit for the American Association of Medical Assistants Certification Examination - CMA (AAMA).	
Medical Laboratory Technology			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	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.	
Nursing, Associate Degree	AAS	A career as a registered nurse upon successful completion of the National Council Licensure Exam (NCLEX); workplaces include hospitals, long-term care facilities, clinics, physicians' offices, industry, and community agencies.	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 pharmacy technicians who assist licensed pharmacists in providing pharmacotherapy; work in hospitals, pharmacies, long-term care, and medication therapy management pharmacies; eligibility to take national exam to become Certified Pharmacy Technicians.	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.	29,076 - 48,682
Radiography			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.	
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.	
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.	
Web Technologies*	AAS, D, C	Careers using distributed computing to disseminate and collect information via the Web; employment as designers, administrators, or developers in web applications, websites, and related areas of distributed computing.	38,000 - 90,000
Welding Technology	D,C	Jobs in the welding and metalworking industry; employment as an entry-level technician in construction, manufacturing, fabrication, sales, and quality control environments.	30,447 - 40,255

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

## The Power of The Ripple Effect

Wake Tech's largest-ever major gifts campaign continues to have a powerful impact. The campaign, launched last year, is called The Ripple Effect, and it has nearly reached its goal of \$12.5 million! It's already providing student scholarships as well as resources for faculty and staff innovation and new technologies. Both cash contributions and gifts-in-kind have been significant components of the campaign's success.

Cameron Best, a 22 year-old Wake Tech student, has definitely experienced the power of "the ripple effect" in his life. Cameron received a scholarship after USfalcon, a company that provides integrated

technology solutions to U.S. government clients, contributed \$3,000 to the campaign. "We established this scholarship to assist a veteran or veteran's family member who is pursuing higher education at Wake

Tech," says Skip Eskridge, Executive Vice President of USfalcon. "Cameron is the son of a veteran, and we're very pleased that he is the first recipient!"

Cameron is pursuing an AAS degree in Air Conditioning, Heating and Refrigeration and has already completed several certificates. He



Giving that goes a long way.

juggles work and classes and says money is tight. "The scholarship is a blessing," says Cameron. "It's helping me pay my bills and buy gas. The extra money makes it so much easier for me to focus on my studies."

> That focus has generated impressive results. "I have a 3.7 GPA – but I'm shooting for a 4.0!"

While Cameron is dedicated to his studies, he also makes time to volunteer in Wake Tech's Pathways

Leadership Initiative, a mentoring program that supports minority male students. Cameron admits he got mixed up with the wrong crowd after high school, and came to Wake Tech for a fresh start. He says Pathways has helped him succeed, and he wants to give back. "I want to tell everyone, 'if I can do it, anybody can'."



Cameron Best

#### "I want to give my little brother and my future children a chance at a career in a family business – something I never had."

Cameron's goal is to eventually open his own business after he graduates. "I want to give my little brother and my future children a chance at a career in a family business – something I never had."

A "ripple effect" occurs when Wake Tech graduates improve their lives and the lives of their families and communities through education. The impact ultimately fuels economic growth for the entire region. You can create a ripple – and make a difference in the lives of people like Cameron Best. Visit therippleffectcampaign.org to find out more!



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Those who attend Wake Tech are aware of the possibilities and know that Wake Tech can be the start of a life-changing journey.

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Lead the way.