

CareerFocus™



SUCCESS!

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Teeing Up for the Challenge:

Women's Golf Celebrates First Medalist



Wake Tech Sophomore Rachel Lea, former team captain, MVP, and three-time All-Conference at Broughton High School, found the perfect challenge when she decided to play for the women's golf team at Wake Tech. At the time, Rachel didn't know she would be setting records along the way.

In March, she shot a personal best of 177 and took first place in the Eagle Fusillade Challenge, at Olde Liberty Golf Course in Youngsville, NC. With the win, Rachel became the first medalist in women's golf in the history of Wake Tech's athletics program.

"Going into the tournament, I was in the mindset of going out and having fun," Rachel said. "I trusted that my practice and golf game



had prepared me to play the two-day, 36-hole tournament."

Coach David Kristan celebrated the win by talking about Rachel's focus and mental toughness: "She's a coach's dream. Rachel is not only a great student, but also a gifted athlete. Over the winter she worked on her game relentlessly, and it shows!"

Rachel plans to use her Associate in Arts degree to transfer to a university, but she realizes she made the right choice by starting out at Wake Tech. "I think being a student athlete at Wake Tech has been a great opportunity to better myself and improve my leadership skills."

Rachel and teammate Laurel Jackson went on to shine during the NJCAA Region 10 tournament and qualified for Nationals in Daytona, Florida!

 To learn more about Wake Tech athletics, visit waketechsports.com.



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Lead the way.

CareerFocus is published by Wake Technical Community College to encourage Wake County residents to enrich their lives through lifelong learning, to provide information about careers and Wake Tech's programs of study, and to promote workforce training and economic development. Questions about the Wake Tech programs and services described in this publication should be directed to 919-866-5000. For questions and comments about this publication, call 919-866-5929.

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CareerFocus™

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On the cover:

Latesha Sharpe is Wake Tech's 2016 Scott Scholar. As a Scott Scholar, she receives up to \$3,500 for tuition, fees, and books, along with a laptop and a mentorship with a senior administrator. The mother of two is earning two associate degrees, and plans to become a nurse.



PROGRAMS

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Job Well Done!



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waketch.mycareerfocus.org



From the President

Welcome to Career Focus!

What does success mean? Good grades? A college degree? A rewarding career? All that is within your grasp! Wake Tech offers degree, diploma, and certificate programs that prepare you to take your place in today's dynamic, global marketplace.

You may want to enter the workforce as soon as possible, or you may want to continue your studies at a four-year university. Maybe you're in a job you love but wish you had the tools to advance – or maybe you're ready for a change! We have programs designed to meet all of those needs.

We offer multiple locations and convenient evening and Saturday classes – as well as a multitude of classes online. Our support services can help you find the path that's right for you and gather the resources you need to succeed.

However you define success, you can find it at Wake Tech! We look forward to seeing you on campus, or online!

Dr. Stephen C. Scott
President



SUCCESS!

Where to Find It



Public speaking is required from time to time, whether in a meeting at work or a discussion in class – and for some, the very thought is daunting. But students at Wake Tech don't have to brave public speaking alone. They can drop in at one of the college's SPEAK centers, on the Main and Northern Wake campuses, and get help to calm their fears. SPEAK stands for Speech Preparation Essentials and Knowledge, and the SPEAK centers are staffed by faculty from Wake Tech's Communications Department. These instructors meet one-on-one with students to help them prepare oral presentations, from researching a topic to creating a compelling talk and delivering it with confidence. "Students come to college with different levels of experience in public speaking," says Dr. Jonathan Riehl, communications instructor. "At the SPEAK Center, we can work with students individually to help them build the skills they need to be successful."

Student Natalie Baudonnet, who's working toward an Associate in Arts degree, always gets nervous before a speech. She comes to the SPEAK Center



Natalie Baudonnet

to be comfortable places where students can go for extra support when needed. Other centers

before a presentation to rehearse, and after the presentation to go over feedback from her classmates. "I'm always looking for ways to improve," she says. "Mr. Johnson gives me great advice. He's an amazing coach!"

The SPEAK Center is one of several Academic Success Centers at Wake Tech, designed

include AMP (Accelerated Math Program), DRE (Developmental Reading and English), STEM (Science, Technology, Engineering, and Math), and REAL (Rhetoric, Exposition, Argumentation, and Literature). All offer valuable one-on-one time with faculty and opportunities to collaborate with other students, along with quiet environments that are conducive to study.

Holly Springs high school graduate Silvio Kellermann is a frequent visitor to the STEM Center on Main Campus. He hopes to work as a pathologist in a medical laboratory one day, so he uses the STEM Center to concentrate on subjects like anatomy and



Silvio Kellermann





physiology. "It's quiet here," he says, "and if I have a question I can ask my professor for help!"

"Faculty engagement with students is known to be a critical factor for student success," says Associate Vice President of Effectiveness and Innovation Tonya Forbes. "We're already seeing a strong correlation between success in classes and attendance in the Academic Success Centers."

For India Turner, a student in Baking & Pastry Arts, the challenge is math. She'll need Math 110 to complete her degree, and it's been awhile since she's taken a math course. "The AMP



India Turner

Center is helping me get ready," she says. "I don't want to be lost when I take that course!"

Wake Tech offers a variety of academic resources for students: All campuses have extensive libraries with study space, access to computers, and the latest research and information. And Individualized Learning Centers on every campus provide one-on-one tutoring services in math, writing, computers, and study skills. But when it comes to specific course work, students turn to Wake Tech's Academic Success Centers, where they can meet with instructors, work with peers, and get the extra assistance they need to succeed.

Successcenters.waketech.edu

Academic Success Centers

- AMP (Accelerated Math Program) Centers
- DRE (Developmental Reading and English) Centers
- FLC (Foreign Language Centers)
- REAL (Rhetoric, Exposition, Argumentation, and Literature) Centers
- SPEAK (Speech Preparation Essentials and Knowledge) Centers
- SSRC (Social Sciences Resource Center)
- STEM (Science, Technology, Engineering, and Mathematics) Centers
- Humanities THINK Center

Individualized Learning Centers (ILC)

Trying to improve your grades? Determined to graduate? In need of individual attention?

Wake Tech students have access to the free tutorial services of the Individualized Learning Centers (ILCs) on all Wake Tech campuses. Professional staff assists students through one-on-one tutoring, a collection of audio and video tutorials, and a wide variety of course-related print materials. Tutoring is tailored to writing, math, computers, and study skills. A variety of services are available for students taking online classes.

"Faculty engagement with students is known to be a critical factor for student success. We're already seeing a strong correlation between success in classes and attendance in the Academic Success Centers."



MISSION CRITICAL: A NEW CAREER OPTION

Most businesses close up shop at the end of the day – but not entirely. After the doors close, electrical systems, manufacturing processes, data management systems, HVAC, and a host of other vital functions must continue – 24 hours a day, seven days a week, 365 days a year. These “mission critical operations” require expert, round-the-clock supervision. Hospitals, banks, data storage facilities, and so many other businesses at the center of modern life must have skilled technicians on board to make sure they continue to function – professionals who are well trained in mission critical operations. Now, for the first time, the training these professionals need is available in a new curriculum program at Wake Tech.

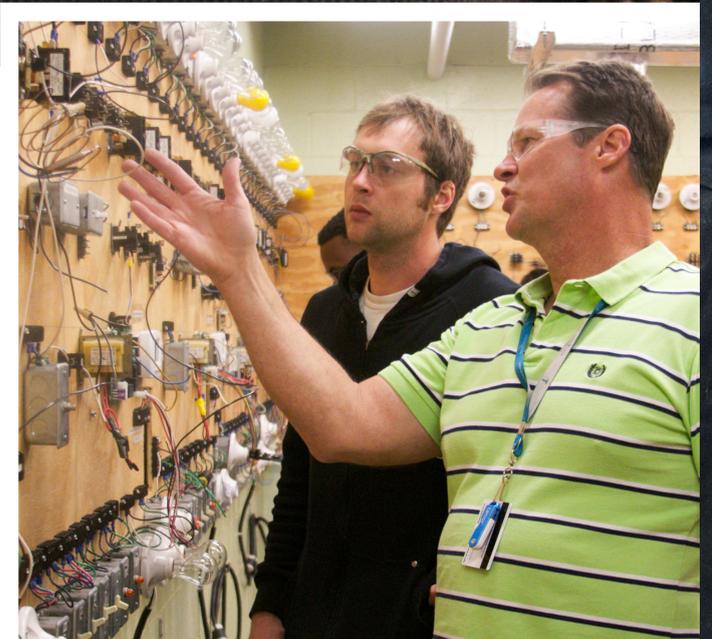
Beginning this fall, the college will offer an associate’s degree and four certificates in Mission Critical Operations (MCO), aimed at preparing students for this challenging and rewarding field. The curriculum covers the basics, helping students cultivate skills in infrastructure development and maintenance, information security, mission critical communications, and emergency operations. Experience in particular areas -- advanced manufacturing, IT, electrical, or HVAC, for example -- is helpful but not required. What is required is the ability to communicate clearly and attention to detail. As MCO professionals, these students will have to be able to address mission critical breaches as they occur, mitigate damage, and ultimately prevent such breaches from occurring.

“The mission critical operations curriculum gives students a set of cross-disciplinary skills and aptitudes that are needed in all kinds of industries,” says Patricia Godin, Dean of Wake Tech’s Applied Engineering and Technologies Division. “This program is pioneering an instructional method that engages students through serious games and simulations. And based on our needs assessment and employer enthusiasm, the program itself is mission critical – arriving just as the technician

population is graying and a skills gap is emerging in the field.”

“Simply put, there are not enough qualified professionals to support marketplace demand for these skills,” says Brian Baker, Vice President of Sentinel Data Centers in Durham, who says his company looks forward to supporting the new Wake Tech program. “The MCO team has done an excellent job of developing a curriculum that meets the facilities and technology requirements necessary to excel in today’s data center industry. Wake Tech’s MCO program will not only educate mission critical professionals; it will also be a source of well-developed talent for the critical infrastructure industry.”

The program was developed as part of a \$23 million grant initiative from the U.S. Department of Labor, to meet industry demand. It was created by a consortium led by Cleveland Community College that includes Wake Tech, Nash Community College, Southern Regional Community College in Georgia, and UNC-Charlotte. Wake Tech received \$2.9 million in funding to develop a robust program including simulations and hands-on labs with MCO equipment and infrastructure that will help train students for these critical careers.



Examples of Classes in MCO Curriculum:

- Electrical
- HVAC Systems
- Critical Site Operations
- Critical Facility Management
- SCADA (Supervisory Control and Data Acquisition) Systems

For more information on the new curriculum program, visit mco.waketech.edu or call 919-866-6882.



ALUMNI PROFILE

Mark Thomas, Class of 2004 Owner, CJ's Street Food

"I had been cooking for years, but I wanted to learn proper techniques and terminology."

Wake Tech alumnus Mark Thomas is enjoying what he calls a "full circle moment." Twice a month, the 37-year-old chef from Holly Springs parks his food truck on the college's main campus – the very place that helped "heat up" his culinary career. "I think it's so cool I'm back here at Wake Tech! I love interacting with the students, and we're building a group of regulars!"

Mark was a culinary student at Wake Tech more than a decade ago, after he left a corporate restaurant job to become a chef. "I had been cooking for years, but I wanted to learn proper techniques and terminology."

Mark took classes during the day and worked in a restaurant kitchen at night. "I'm not going to lie – it wasn't easy. But my instructors really encouraged me," he says. "They had a huge impact on my success."

Upon graduating in 2004, Mark continued cooking in local restaurants, eventually becoming the chef de cuisine at Bloomsbury Bistro, a French restaurant in Raleigh. In 2012, he was ready to strike out on his own. He opened his food truck, CJ's Street Food, where he serves Korean barbecue, fusion tacos, and rice bowls, as well as kimchi, a spicy Korean cabbage that he says he can't make fast enough!

Opening his own business was one of Mark's goals, and he says he's thankful for the education and hands-on training that



"I think it's so cool I'm back here at Wake Tech! I love interacting with the students, and we're building a group of regulars!"

made it possible: "Wake Tech gave me the foundation for my career. When building a menu, if you have a solid foundation, you can get as creative as you want!"

"I am a WAKE!"

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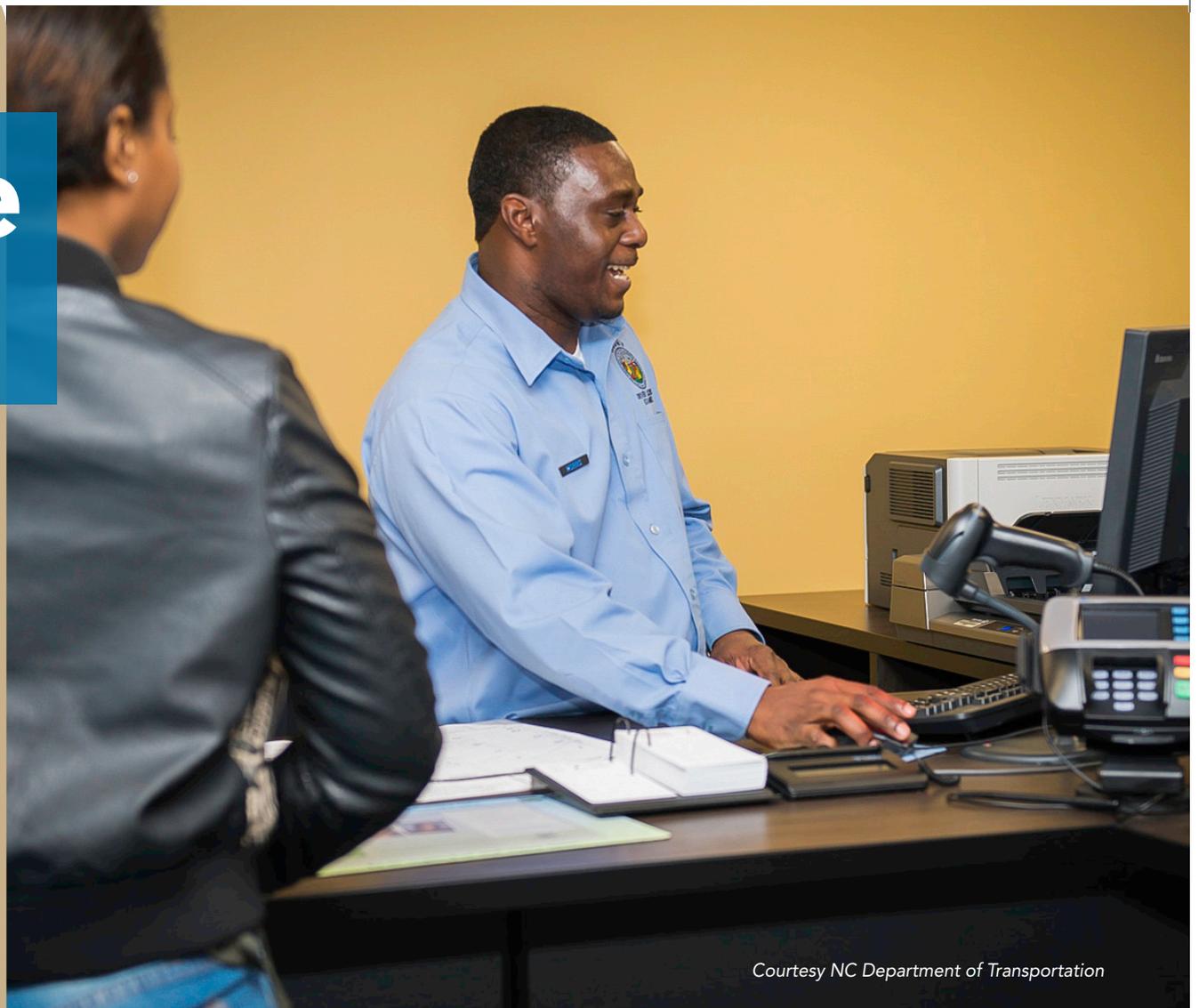
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Corporate Solutions

Customizing Training for Businesses Large and Small

If you've recently been the recipient of better-than-usual customer service at the DMV or – imagine! – actually enjoyed the experience, you can thank Wake Tech's Corporate Solutions team!



Courtesy NC Department of Transportation

"The governor issued a challenge – 'fix the DMV' – and we jumped at the opportunity," said Jamie Glass, Associate Vice President for Wake Tech's Corporate Solutions division. "We were confident that we could make measurable improvements in the DMV system because we can deliver customer service training that is unparalleled."

As its name implies, Corporate Solutions can design training for any size business, in any industry – from an entity as large and complex as the NC Division of Motor Vehicles to a small private company, and everything in between. Training is customized and can be delivered on site or online, as company needs dictate. Corporate Solutions taps into Wake Tech's vast database of training resources and expert faculty to craft training packages that suit the unique needs of each client. Among the most popular

training topics are information technology skills and certifications; workplace competencies such as time management and presentation skills; customer service; leadership and management training; process improvement systems such as Lean Six Sigma and Project Management; and team building.

The DMV training plan included role plays for 160 supervisors and 900 employees, giving them opportunities to practice communicating directly with customers and handling common customer service scenarios. Training took place over the course of a year, at multiple locations across the state. At the end, 97% of DMV employees said the training met or exceeded their expectations.

"We're sincerely grateful to Corporate Solutions for the excellent training they provided," said

NCDMV Commissioner Kelly Thomas. "They helped us identify the kind of training we needed, and showed us the benefits of putting together employees who don't typically interact with each other every day."

"Our success with DMV statewide is just one example of the powerful results Wake Tech can provide with customized training," said Wake Tech President Dr. Stephen Scott, "and it can serve business of all sizes. We can create a training program for anyone."



For more information about Wake Tech Corporate Solutions, email corporatesolutions@waketech.edu or call **919-532-5813**.



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Facts and Finds



To Be Hired, Be Referred!

Being recommended to an employer by a current employee is usually the best and fastest way to a new job. Online job search expert Susan P. Joyce says a referred candidate is five times more likely to be hired than a candidate who was not referred. Her advice is to target companies that seem to be good places to work, and then find out if they have employees doing what you want to do. If so, monitor the company for job openings and get to know people who work there. Sometimes employees who don't know you well will be happy to refer you after they get to know you a bit, because of the opportunity to help their employer. Some companies even offer the extra incentive of a financial reward for employees who refer a successful job candidate!

Source: workcoachcafe.com, February 17, 2015



Courtesy GRCVB/visitRaleigh.com

Cities that are Secretly Great for Tech Grads

Sure, Silicon Valley and New York get attention for being the best places to work in technology. But for new college graduates just getting started in their careers, paying \$2,000 a month in rent in those cities is less than ideal! As graduates weigh their options, DataFox crunched the numbers to find the best cities that offer networking opportunities and growth potential – plus affordability. Making the list: Raleigh came in at #3, just behind Reston, Virginia, and Indianapolis, Indiana.

The report credits Raleigh with the following:

"The area boasts a fast-paced tech scene, bursting with intellectual as well financial capital."

"Raleigh stands out as a great city for young people to make the transition from college to working life."

"With both mentorship and career growth opportunities, Raleigh offers a chance for young graduates to grow personally and professionally."

Source: Anisha Sekar, datafox.com, January 26, 2016

A Heads-Up on Financial Aid

Headache-saving changes are coming

Changes are coming to the financial aid process that will make it easier to plan ahead and pay for college.

Beginning October 1, 2016, students will be able to file a Free Application for Federal Student Aid (FAFSA) for the 2017-18 year. This pushes the application date up by several months from the current January 1 opening date. Students will also be able to use tax information from two years earlier. The FAFSA is the first step in getting federal money, including Pell Grants, student loans, and work-study jobs.

The biggest mistake you can make with financial aid is assuming you don't qualify, so even if you don't think you'll be eligible, you should apply! Complete your FAFSA today at cfnc.org.



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A "Single Stop" Could Keep You on the Path toward a College Degree

Juggling classes, homework, and life's other daily demands can be challenging for any college student. Throw other issues into the mix – child care, health concerns, financial worries – and the path to graduation and career success can seem especially daunting. Wake Tech has found a way to help, through a partnership with Single Stop, a non-profit organization that helps connect students to needed resources so they can stay focused on academic goals.

Using specially-designed software, Single Stop can conduct simple, fast screenings to determine students' eligibility for a variety of resources and benefits, many of which are free: benefits counseling, financial counseling, legal advice and representation, and referrals for other services and resources on campus and in the community. Wake Tech staff members are on hand to help students with the application process and to make sure they receive all the assistance available to them.

"We know that many good students are not successful in college because 'life' gets in the way," says Kevin Brown, Associate Vice President of Student Services. "I believe Single Stop can change that outcome. It offers a simple way for students to get assistance when they need it, allowing them to concentrate on their studies."

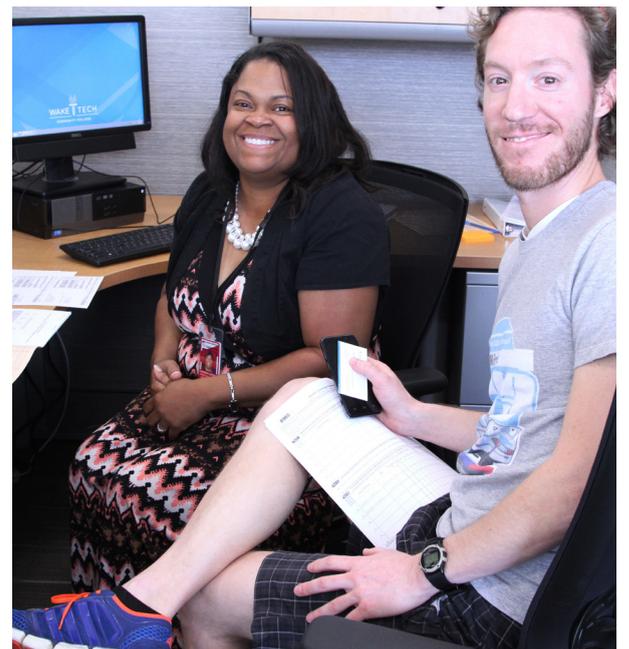
During tax season, Single Stop brought tax preparers to campus to help students with their returns, free of charge! For many, it was a godsend.

"I've been worried about tax season for months," said Electronics Engineering student Andrew Cichetti. "Now I don't have to worry about it anymore and I can focus on my schoolwork." College transfer student Grace Melgar agrees: "This is great!" she says. "As a student, you always have bills, so this is really nice to be able to get my taxes done at no cost. Plus it's convenient having it right here on campus!"

Eliminating barriers and helping students succeed – that's the goal of Single Stop. And at Wake Tech, it seems to be working.

Wake Tech is one of four North Carolina community colleges that offer Single Stop. The partnership is made possible through a generous grant from the John M. Belk Endowment.

 singlestop.waketech.edu




Make a Difference!
Support the Wake Tech Foundation!

Wake Tech has 70,000 students and a great many of these students depend on scholarships to make it through. That's where your support can make a real difference! Your scholarship gift can help a Wake Tech student graduate, start on a career pathway, and become a contributing member of our community and our local economy.

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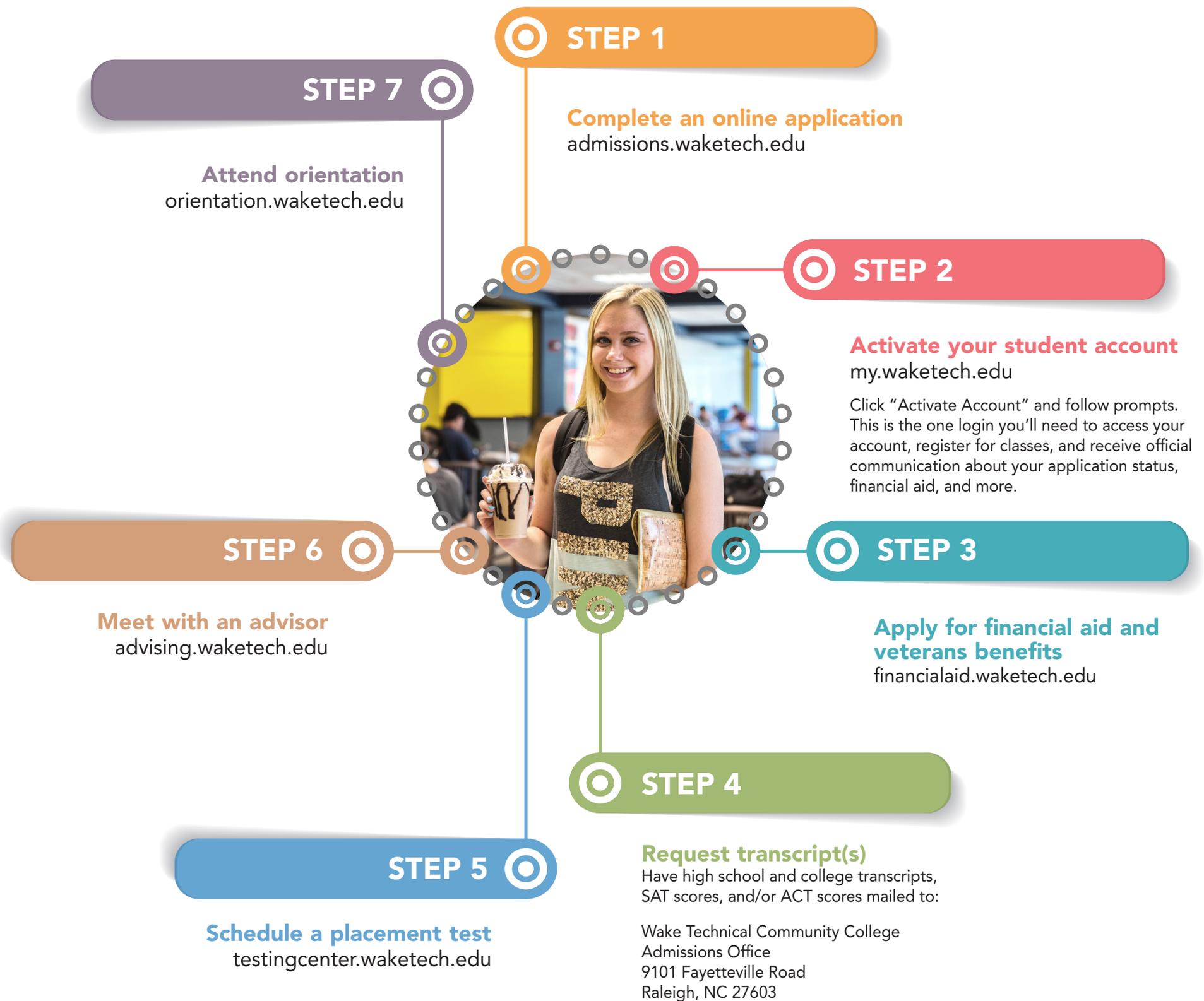
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7 STEPS to Enroll at Wake Tech



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Students planning to take online classes are required to complete the *Online Learning Readiness Assessment* before registering for an online course. Visit eli.waketech.edu

TO REGISTER FOR CLASSES:

- Visit webadvisor.waketech.edu, click Log In and enter your Student Account User ID and password
- Select Current Curriculum Students (Credit)
- Under "Registration," click **Register for Sections** and follow the prompts to select classes
- **Pay for your classes** – online or on campus – before the deadline, and you're set!

Job well done!

Wake Tech grads have the skills and credentials they need to take on the world. Ready to get started on your career pathway? Look at our programs of study and find the one that inspires you. Follow your passion and claim your reward! What are you waiting for?

For more information call **919-866-5500**



Credentials Key:

AAS = Associate in Applied Science

D = Diploma

C = Certificate

Wake Tech Community College A-Z

Area of Study	Credentials Offered	Prepares you for:	Salary Median/Range
Associate Degrees for College Transfer		Transfer to a senior institution: Associate in Arts (AA), Associate in Engineering (AE), Associate in Fine Arts – Art (AFA), Associate in Fine Arts – Music (AFA), or Associate in Science (AS)	
Accounting	AAS, D, C	Careers that involve analyzing, processing, and communicating information about financial operations; workplaces include accounting firms, businesses, banks, hospitals, school systems, and government agencies.	\$30,250 - \$44,000
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
Agricultural Systems Technology	AAS, D	Occupations involving troubleshooting and repair of agricultural equipment, including farm tractors, planters, sprayers, and harvesters; entry-level employment in agricultural systems equipment repair businesses.	\$24,645 - \$47,598
Air Conditioning, Heating & Refrigeration Technology	AAS, D, C	Employment as a technician trained to design, install, and service air conditioning, heating, and refrigeration equipment; work with residential and light commercial systems, including start-up and preventive maintenance.	\$29,472 - \$46,964
Architectural Technology	AAS, C	Positions that involve the preparation of construction documents, including environmental and structural systems, materials and methods, and building codes; employment in the architectural, engineering, and construction professions.	\$26,434 - \$47,319
Automotive Systems Technology	AAS	Employment as an automotive services technician; workplaces include car dealerships, repair shops, and other automotive service organizations; eligibility to take Automotive Service Excellence (ASE) exam.	\$26,379 - \$40,157
Baking & Pastry Arts	AAS, D, C	Occupations including baking/pastry assistant or assistant pastry chef in restaurants, hotels, independent bakeries, and pastry shops; opportunities in entrepreneurship or for advancement to pastry chef, cake designer, or bakery manager.	\$25,000 - \$51,000
Biopharmaceutical Technology	AAS, C	Careers in pharmaceutical manufacturing, chemical quality assurance, microbiological quality assurance, product inspection, documentation review, manufacturing, and product/process validation.	\$24,568 - \$45,082
Business Administration	AAS, C	Professions in business involving marketing, sales, customer service, finance, or business management in public, private, profit, and nonprofit organizations.	\$37,000 - \$83,700
Business Administration/ Global Business Management	AAS, C	A career focused on managing and leading in a global economy to include positions in public, private, profit and non-profit organizations.	\$37,000 - \$85,400
Business Administration/ Human Resources Management	AAS, C	Positions in human resources departments, including recruitment, staffing, training, compensation, and human resources development; work in public, private, profit, and non-profit organizations.	\$38,040 - \$57,400
Business Administration/ Marketing	AAS, C	A career in marketing to include opportunities in advertising, sales, social media marketing, marketing research and application; working in public, private, profit and non-profit organizations.	\$31,200 - \$55,680
Business Analytics	AAS, C	A career as a business analyst with the ability to analyze and propose methodologies which help firms increase profitability in diverse industries, including health care, marketing, information technology, and finance. Graduates qualify to sit for SAS certification exams.	\$35,000 - \$60,000
Civil Engineering Technology	AAS, C	A position as an office or field technician involved in construction management, site planning, construction layout, site inspections or materials testing; employment in public and private sectors of the engineering and construction industry.	\$26,892 - \$59,321
Computed Tomography - CT	C	Occupations involving skilled use of specialized equipment to visualize cross-sectional anatomical structures and aid physicians; eligibility for the American Registry of Radiologic Technologists testing. (Advanced-Level)	\$54,184 - \$67,600
Construction Equipment Systems Technology	AAS, D, C	Employment in construction equipment systems troubleshooting and repair; work on equipment including dozers, scrapers, loaders, and forklifts; entry-level employment in construction equipment repair businesses.	\$25,000 - \$45,000

Area of Study	Credentials Offered	Prepares you for:	Salary Median/Range
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.	\$15,962 - \$47,383
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.	\$23,000 - \$55,000
Dental Assisting	D	Career classification as a DA II by the NC State Board of Dental Examiners, eligibility to take the Dental Assisting National Board Examination to become a Certified Dental Assistant (CDA); employment in dental offices, clinics, and dental schools.	\$35,390 - \$50,544
Dental Hygiene	AAS	Professions involving the assessment, planning, implementation, and evaluation of dental hygiene services; eligibility to take the state/regional and national exams for licensure; work in dental offices, public health agencies, and dental schools.	\$57,200 - \$74,526
Diesel and Heavy Equipment Technology	AAS, D	Jobs in vehicle repair businesses; entry-level troubleshooting and repair of medium- and heavy-duty vehicles, including repair of engines, electrical and hydraulic systems, transmissions, brakes, and steering/suspension systems.	\$29,261 - \$54,105
Early Childhood Education	AAS, D, C	Professions working with children in learning environments, including family child care homes, preschools, public and private schools, recreational centers, Head Start programs, child development programs, and programs for school-aged children.	\$20,300 - \$45,300
Electrical Systems Technology	AAS, D, C	Positions in the electrical profession, assisting in the layout, installation, and maintenance of electrical systems in residential, commercial, and industrial facilities.	\$28,000 - \$49,282
Electronics Engineering Technology	AAS, C	Occupations designing, building, installing, testing, troubleshooting, and repairing electronic components and systems; positions include electronics engineering technician, field service technician, maintenance technician, or production control technician.	\$32,500 - \$66,470
Emergency Medical Science	AAS	Employment as a paramedic, with knowledge and skills in basic and advanced life support; eligibility for state and national certification exams; workplaces include fire and rescue agencies, air medical services, urgent care centers, and physician practices.	\$25,625 - \$37,585
Esthetics	C	Performing skin care, makeup application, scientific manipulations, and electrical applications; work environments include day spas, salons, medical practices, cruise ships, and destination resorts.	\$24,300 - \$36,000
Fire Protection Technology	AAS, C	Careers in fire protection and safety, with governmental agencies, industrial firms, insurance rating organizations, and municipal fire departments. Program also serves as a basis for continued education toward management positions.	\$30,000 - \$40,000
Geomatics Technology	AAS, C	A position as a survey crew chief, instrument operator, or office technician/CAD operator; involved in construction, GPS, boundary, and topographic surveying and mapping; employment in the surveying, engineering, or construction industry.	\$33,483 - \$48,913
Health and Fitness Science	AAS	Positions in health and wellness programs in commercial fitness clubs, business, industry, YMCAs/YWCAs, parks, recreation, and other organizations with exercise and fitness programs.	\$24,960 - \$41,600
Heavy Equipment Operator	D, C	Jobs that require driving, maneuvering, or operating heavy equipment, including backhoes, excavators, and dozers, which are used to construct roads, bridges, and buildings; employment in the construction industry or with government agencies.	\$34,750 - \$48,480
Hospitality Management	AAS, D, C	Careers in the food and lodging industry including front office, reservations, housekeeping, purchasing, dining room, and marketing; entry-level, supervisory, and managerial employment in hotels, motels, resorts, inns, restaurants, and clubs.	\$28,640 - \$51,030
Human Services Technology	AAS	Entry-level positions in institutions and agencies that provide social, community, and educational services, including mental health, child care, rehabilitation, and education.	\$25,140 - \$34,750
Human Services Technology/Mental Health	AAS	Entry level positions including treatment assistant, community liaison, or behavioral disorder counselor; work in mental health settings assisting a treatment team or implementing treatment plans.	\$28,850 - \$38,520
Human Services Technology/Substance Abuse	AAS, C	Employment as substance abuse counselors, DWI counselors, halfway house staff, residential facility employees, and substance abuse education specialists in facilities that provide these services.	\$25,140 - \$40,400
Information Systems Security	AAS, C	Employment as security administrator who utilizes networking technologies, intrusion detection, security administration, and industry best practices to protect data communications; eligibility to pursue security certification.	\$43,113 - \$100,510
Information Technology/Computer Programming and Development	AAS, C	Careers in the design and development of desktop and web applications, proficient in Java, MVC, REST, unit testing, server-side JavaScript, and SQL; positions include programmer, software developer, and quality assurance specialist; work settings include healthcare, manufacturing, and software publishing.	\$50,000 - \$107,000
Information Technology/Data Science and Programming Support Services	AAS, C	The design and development of desktop and web applications with an emphasis on business logic and data-driven applications; proficient in Python, SQL, XML, JavaScript; occupations include database specialist, programmer/analyst, and quality assurance specialist in a wide variety of work settings.	\$60,000 - \$129,000
Information Technology/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.	\$33,906 - \$74,643
Information Technology/Healthcare Business Informatics	AAS	Positions supporting healthcare organizations that implement, deploy, and support healthcare IT systems in U.S. clinical settings; eligibility to take certification examinations for various healthcare network environments.	\$33,087 - \$68,680
Information Technology/Mobile Applications Developer	AAS, C	Positions involving the design of mobile applications for Android and iOS mobile devices; proficient in HTML, CSS, JavaScript, jQuery, Java, Swift, and UI/UX; work as a programmer, software developer, mobile application developer, programmer/analyst, technical support specialist, software tester.	\$43,000 - \$94,000

Area of Study	Credentials Offered	Prepares you for:	Salary Median/Range
Information Technology/ Network Management	AAS, C	Positions supporting local- and wide-area networks; employment as local-area network manager, network operator, network analyst, or network technician; eligibility to take certification examinations for various network environments.	\$36,318 - \$77,935
Information Technology/ Software and Web Development	AAS, C	A career as a software developer, web developer, programmer/analyst, software architect, technical support specialist, software tester, technical writer, proficient in C#, .NET, MVC, HTML, JavaScript, and SQL; work in healthcare, manufacturing, insurance, finance and software publishing.	\$50,000 - \$104,000
Information Technology/ Technical Support	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.	\$33,087 - \$68,680
Information Technology/ Web Designer	AAS, C	The ability to develop and maintain professional, high-quality websites; proficient in HTML, CSS, JavaScript, web analytics; occupations include webmaster, user experience specialist, web designer, analyst, and support specialist; work in a wide variety of industries or as a freelance web designer.	\$50,000 - \$70,000
Information Technology/ Web Developer	AAS, C	The development of high-quality websites, including web application components; proficient in HTML, CSS, JavaScript, jQuery, ASP.NET, PHP, web analytics, content management systems; careers include programmer, web developer, web content developer, webmaster, and web analyst.	\$50,000 - \$85,000
Interior Design	AAS	Careers in commercial and residential interior design, set design, and/or showroom design, with training in professional practices, aesthetic principles, computer-aided design, color theory, and business practices.	\$23,691 - \$44,862
Lateral Entry Teaching	C	Lateral Entry Teaching in NC Public Schools at the middle- or high-school level; program consists of coursework needed to become licensed by the NC Department of Instruction. Applicants must have a bachelor's degree and meet additional criteria.	\$37,710 - \$41,760
Magnetic Resonance Imaging (MRI)	D	Employment as an MRI technologist who uses magnetic energy fields to produce images of the human body in health care facilities; eligibility to take the American Registry of Radiologic Technologists (ARRT) examination for certification and registration.	\$54,184 - \$67,600
Mechanical Engineering Technology	AAS, C	Employment as a mechanical technician, assisting in the design, development, testing, and repair of mechanical equipment for manufacturing, fabrication, research and development; careers involving skills to design, invent, and troubleshoot products.	\$34,155 - \$47,036
Medical Assisting	AAS, D	A career as a health care professional who performs administrative, clinical, and laboratory procedures in physicians' offices and hospitals; eligibility to sit for the American Association of Medical Assistants Certification Examination - CMA (AAMA).	\$27,758 - \$34,652
Medical Laboratory Technology	AAS	Careers performing laboratory procedures used in the diagnosis and treatment of disease; work in hospitals, laboratories, and research facilities; eligibility for National Certification exam by the Board of Certification of the American Society for Clinical Pathology.	\$35,692 - \$57,720
Medical Office Administration*	AAS, D, C	Medical administrative support positions including medical records clerk, insurance specialist, and patient services representative; workplaces include healthcare facilities, insurance billing offices, labs, and manufacturers of medical equipment.	\$25,000 - \$36,400
Mission Critical Operations	AAS, C	Performing repairs and maintenance of mechanical and electrical equipment for critical data storage, manufacturing, and information processing; careers involving skills to recognize, diagnose, and troubleshoot threats to critical operations of 24-hour facilities and operations.	\$36,700 - \$51,000
Nursing, Associate Degree	AAS	A career as a registered nurse, upon successful completion of the National Council Licensure Exam (NCLEX); workplaces include hospitals, long-term care facilities, clinics, physicians' offices, industry, and community agencies.	\$43,347 - \$68,430
Office Administration	AAS, D, C	Professions in entry-level to middle management administrative support, responding to the demands of a dynamic, computerized workplace; employment opportunities in business, government, and industry.	\$28,500 - \$43,430
Office Administration Legal	C	Administrative positions in private legal practices involving real estate and estate planning, corporate legal departments, and city, state, and federal government offices.	\$28,500 - \$35,000
Pharmacy Technology	AAS, D	Employment as pharmacy technicians who assist licensed pharmacists; work in medication compounding, specialty and medication therapy management pharmacies, and hospitals; eligibility to take the national Pharmacy Technician Certification Exam.	\$20,640 - \$54,932
Phlebotomy	C	Careers in the field of phlebotomy, obtaining and transporting blood and other specimens for laboratory analysis; eligibility for national certification as a phlebotomy technician; work in hospitals, clinics, laboratories, and other health care settings.	\$26,728 - \$34,049
Plumbing	D, C	Jobs assisting with the installation and repair of plumbing systems in residential and small commercial buildings; employment with maintenance companies, plumbing contractors, and parts suppliers.	\$29,076 - \$48,682
Radiography	AAS	A career as a radiographer, who uses radiation to produce images of the human body; work in hospitals, clinics, or physicians' offices; eligibility to take the American Registry of Radiologic Technologists' national exam for certification.	\$40,684 - \$60,944
Simulation and Game Development	AAS, D, C	Careers as designers, artists, animators, programmers, testers, quality assurance analysts, engineers, or administrators in the entertainment industry, health care, education, corporate training, and government agencies.	\$40,100 - \$78,000
Supply Chain Management/ Distribution Management	AAS, C	Logistics positions that include warehousing, distribution, materials management, transportation, and logistics analysis; employers include government agencies, manufacturing, retail, and service organizations	\$31,000 - \$50,000
Supply Chain Management/ Global Logistics Technology	AAS, C	Careers involving the production, movement, and distribution of materials and goods around the globe; employers include government agencies, manufacturing, retail, and service organizations	\$31,000 - \$50,000
Surgical Technology	D	Employment as a skilled member of a surgical team; job opportunities in labor and delivery, emergency, inpatient/outpatient surgery centers, dialysis units, and physicians' offices.	\$34,049 - \$44,824
Therapeutic Massage	D	Occupations providing client care through therapeutic massage; workplaces include medical practices, athletic settings, spas, and private practices; eligibility to take the MBLEx and apply for a North Carolina license.	\$30,534 - \$54,600
Welding Technology	AAS, D, C	Jobs in the welding and metalworking industry; employment as an entry-level technician in construction, manufacturing, fabrication, sales, and quality control environments.	\$30,447 - \$40,255



Life Support

How a Foundation Scholarship Can Revive Your Dreams

One part of the mission of the Wake Tech Foundation is raising funds for students who need some assistance in making their dreams of higher education a reality.

Forty-one-year-old Daniel Clapper is one such student, and he is now well on his way to a career he's truly passionate about. In 2012, when Daniel's mother became ill, he decided to leave a management position in real estate to start his own business – in home health. He was confident on the business end, but knew

he would need medical expertise to be successful. "I enrolled in Wake Tech because I knew the curriculum was top notch – and I live just a few miles from campus!"

Daniel completed nurse aide training, earned a certificate, and then began pursuing an associate's degree in nursing. Although he's happy as a student, he admits that juggling a job and nursing classes isn't easy. "I worry about expenses," he says, "so I turned to the Wake Tech Foundation. I didn't realize that at my age I could get money for school!"

Foundation scholarships provide critical support for students by offsetting tuition costs, and in some cases, easing the burden of balancing school and full-time employment. The scholarships are awarded to Wake Tech students with demonstrated financial need or exceptional academic performance.

Daniel has received two scholarships from the Foundation and he says they've made a world of difference – in his life, and in the lives of those he can help. "Scholarship funds have eased my financial worries, but it's so much more than that," he says. "The money is making it possible for me to become a nurse and provide others with care. The impact on my life is not as great as the impact I will be able to have on the lives of my future patients."

Daniel still has a ways to go to complete his nursing degree, but he says he's confident he'll succeed: "The support system at Wake Tech is incredible – from my instructors to the Wake Tech Foundation! The resources here are helping me reach my goals!"

Foundation scholarships can indeed be life changing. To learn more about scholarship opportunities, or to establish a scholarship for a deserving student, visit foundation.waketech.edu.



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- Software and Web Development - Support the software development needs of businesses with an emphasis in .NET technologies.
- Technical Support - Systems maintenance, troubleshooting, support and training.
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