

CareerFocus™

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in Health and Fitness

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Joshua Mellette

What a Season!

Wake Tech's Athletics Program is a Slam Dunk!

Wake Tech's basketball program is only five years old, and already it's making a name for itself nationally! Earlier this year, for the first time ever, the team made it all the way to the Final Four in the NJCAA Division II national tournament – and finished fourth in the country! The Eagles were led by 6'5" sophomore Joshua Mellette, who ranked first in Region X for blocks and rebounds per game. The star forward was named the Region X Player of the Year and received a first team All American Award.

"We had a great team this year," says Wake Tech Athletics Director Barry Street. "We're extremely proud of Josh and all of our players, who have shown the level of talent we have here in our area – not only in basketball, but all sports."

Mellette came to Wake Tech as a freshman after graduating from Southern Lee High School in Sanford. He graduated with an Associate in Arts degree in May and is being recruited by several top universities!



Basketball season will be here again before we know it, but before then Wake Tech student athletes will be hitting the fields and the courts in soccer, cross country and volleyball. Wake Tech's athletics program offers a valuable opportunity for students to continue their interest in sports while earning a college degree. Many, like Joshua, will go on to play at a university. For more information, visit athletics.waketech.edu.



Members of Wake Tech's cross country team show their spirit with the slogan, "I am a Wake!"

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

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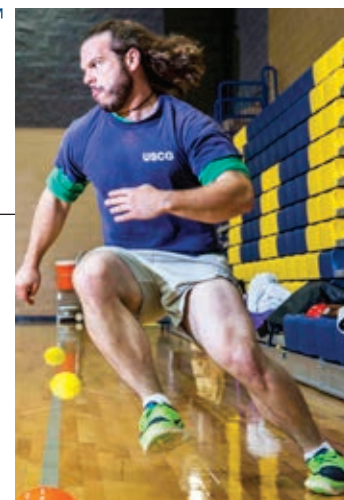
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Wake Tech Foundation Scholarships Pay Off



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On the cover:

Student Danielle Hamid is among the first to enroll in Wake Tech's new Associate in Applied Science degree in Health and Fitness Science.



From the President

Welcome to Career Focus!

Everyone's on the move – getting fit, staying active, and keeping up with the challenges of our rapidly changing world! Wake Tech has courses, programs, and career pathways to help you keep moving forward into a brighter future.

If you're just starting out, Wake Tech is a great place to build a foundation for further study, employment, and a rewarding professional life. If you need to update your skills, advance in your work, or even embark on a new career, Wake Tech can help you enhance your credentials for today's high-demand fields.

We have something for everyone: Wake Tech classes are offered in the daytime, evening, and on Saturdays, so you can complete a degree while continuing to work. We also have multiple campus locations that can make your education more convenient – and you can even take classes online from the comfort of home! Our support services are also available to help you find the best pathway, get financial assistance if needed, and enjoy campus life.

Stay strong and embrace your future – Wake Tech is here to help!

Dr. Stephen C. Scott
President



Shape Up!

“Get Moving”
on a Career in
Health and Fitness



Whether it's weight training, aerobics, or yoga, exercise can be the key to a longer, healthier life. As people learn more about the benefits of physical fitness, many want to share their knowledge and enthusiasm with others. "I enjoy exercising on my own and would love to help others, especially older people, stay healthy," says student Danielle Hamid. Hamid is among the first to enroll in Wake Tech's new Associate in Applied Science degree in Health and Fitness Science.

"Even people who didn't exercise before are starting to see the real benefits of exercise," says Department Head Jamie Pearson. "It doesn't matter what age you are; regular exercise can help you regain your strength, give you confidence, and lead to a better quality of life."



Jamie Pearson, Department Head

Pearson helped develop the new A.A.S. program to provide a direct path to employment in the fitness field – it includes instruction in exercise science and injury prevention as well as fitness facility management. While the program provides a valuable credential for those ready to go to work, it may be expanded to include university transfer options.

Career opportunities are plentiful. Pearson says there's a growing demand for trained specialists in fitness centers, corporate wellness programs, parks and recreation departments, and health care facilities. "Personal trainers and exercise instructors have been popular for years," says Pearson. "But the better your understanding of the biomechanics of exercise, anatomy, physiology and nutrition, the more marketable you will be."

Christopher Eaddy is a former college football player with a passion for motivating the obese to become healthier. He's in the program to

learn more about the science behind the exercises he does. "I did sports, but nobody ever taught me the mechanics of how the body works from an athletics perspective."

Dee Barron also has a lot of experience in the world of fitness. At 54, she has had a successful career as an exercise instructor and corporate wellness specialist. She loves her work, but has always been bothered by the fact that she never completed a college degree. "When I heard about this program, I did flips!" she says. Now she has a chance to earn a degree in the field she loves.

Barron is staying active while completing the program, which is a combination of classroom instruction and physical exercise. How far could you throw a six-pound medicine ball? How agile would you be in an obstacle course? Program instructor Dr. Eric Martin says it's important for students to know – they need to try the exercises in order to learn how to help others. "There's no substitute for doing it yourself," Martin says. "The experience of movement – your own body's actions and reactions – helps

"It doesn't matter what age you are; regular exercise can help you regain your strength, give you confidence, and lead to a better quality of life."

Jamie Pearson
Department Head

you understand it on a deeper level. You are better able to instruct clients and provide feedback that can help them get the most from their fitness activities."

Whether you're an experienced athlete or someone who simply wants to learn more about health and wellness, this new program can open the door to a career that's rewarding in more ways than one. "Being in this industry for so long, I've learned the balance between healthy habits and movement," says Barron. "It's all about movement!" Learn more at healthandfitness.waketech.edu.

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BioWork: Short-Term Training, Long-Term Benefits

In 2009, George Barrett knew that a layoff from his job in pharmaceutical manufacturing was likely. He set his sights on one of the local biotechnology companies, but lacked the formal training to get a new job. When he learned about Wake Tech's BioWork certificate program, he realized it could provide a foot in the door.

"Though I had related work experience, I was an older worker without a degree, so I needed an edge," George explained. "By the time I was officially laid off, I had BioWork training that proved very instrumental in finding a new job."

BioWork is a 12-week continuing education course that can offer a relatively quick career transition into the biotechnology field. The program prepares students to become state-certified process technicians through hands-on labs and lecture units designed by professionals in the biopharmaceutical industry. BioWork students learn skills in the

areas of safety, quality, machinery and controls, growing living cells, transforming materials, and sterile processes.

The program can be an entry point into a new career for those without a biotechnology background, or a stepping stone for people who have a degree but lack the specific skills that biopharmaceutical employers require.

"BioWork is great for those who want to make a difference in the world," says Dr. Jane Aswell, director of BioWork. "BioWork graduates assist in the manufacture of new era, DNA-based products that are proving invaluable in treating and preventing disease, and making our lives better."

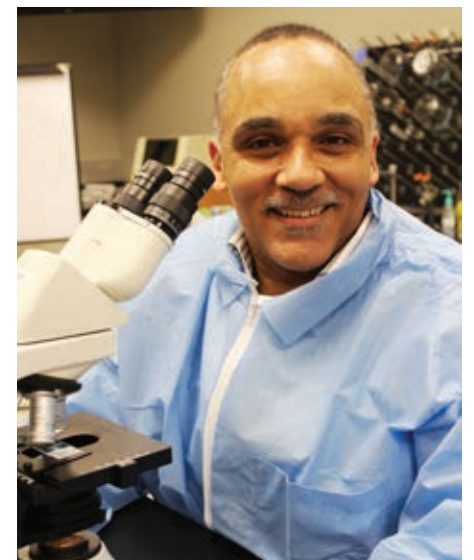
Many local employers require BioWork training. Some hire students straight out of the program as process technicians, and some, Dr. Aswell says, accept classroom time as "industry experience."

Many students, like George, decide to continue their training in biomanufacturing and analytical lab skills through short courses and certificate programs at the NC BioNetwork Capstone Center in Raleigh. Students may also choose to enter Wake Tech's associate degree program in biopharmaceutical technology. Both options add valuable work skills, increase opportunities for

employment, and provide career pathways.

George now leads a team of manufacturing employees at Novartis in Holly Springs – and encourages his co-workers to further their education with classes at Wake Tech. "I will continue to champion Wake Tech's training and retraining programs, because I've seen how instrumental they were in gaining my current job." George has plans to pursue a degree so that he can continue to advance in his career and take on senior-level, supervisory roles.

For more information about Wake Tech's BioWork program, visit bioworkinfo.waketech.edu.



George Barrett

"I will continue to champion Wake Tech's training and retraining programs, because I've seen how instrumental they were in gaining my current job."

George Barrett

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Cooking Up a Successful Career

Aaron Stumb, Class of 1996

“Wake Tech laid the foundation for my career and changed my life.”



Chef Aaron Stumb and President Stephen C. Scott

Aaron Stumb is cooking up quite a reputation as executive chef at Durham’s highly-successful Mez Contemporary Mexican Restaurant! He’s been running the kitchen at Mez, part of the Chapel Hill Restaurant Group, since it opened six years ago, and he also teaches classes at A Southern Season in Chapel Hill. Before joining Mez, Aaron learned all about kitchen management while working for a national corporate

restaurant group. He also worked at several Triangle restaurants – but his first taste of culinary arts was at Wake Tech.

Aaron enrolled at Wake Tech in the mid 90s without a career goal – but that changed the day he read a brochure describing the college’s culinary program. He began taking classes and quickly realized he had more than a passing interest: “I found

a drive and passion for cooking at Wake Tech. My instructors opened my eyes to the culinary world.” Aaron excelled in the kitchen, and in 1996, graduated with an associate’s degree. Soon after, he got his first job in a restaurant kitchen, and he has been working (and moving up) steadily ever since.

In addition to his demanding job, Aaron is an adjunct instructor in Wake Tech’s Culinary Arts program, and an active member of the program’s advisory board. He has also provided co-op opportunities for Wake Tech students at Mez, and has hired several graduates. “We have Wake Tech grads sprinkled throughout the company,” Aaron says. “I know exactly where to go for talented chefs!” Aaron has also been the driving force behind Chapel Hill Restaurant Group’s support of Wake Tech’s annual Culinary Arts Showcase. “Aaron’s continued involvement in our program as Advisory Board member, employer,



and instructor has helped our program grow,” says Jeff Hadley, Culinary Arts Department Head. “It’s been a pleasure to watch him mature from a young culinary student to Executive Chef of one of the Triangle’s highest-volume dining establishments!”

Aaron was recognized for his many contributions to Wake Tech, as the recipient of the 2014 Distinguished Alumni reward. “I am very humbled by this recognition. I am happy to give back to Wake Tech – the college laid the foundation for my career and changed my life.”

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学中文 Learn Chinese

It's a Language That Can Take You Far

Which country ... is the world's most populous?
... has the second largest economy, after the U.S.?
... is the world's largest exporter of textiles and electronics? If you said China, you're right! According to Wikipedia, about one-fifth of the world's population, or over one billion people, speaks some form of Chinese as their first language. Many students are realizing that learning it can take them places!

"North Carolina has strong ties with China," says Wake Tech's Foreign Language department head Melania Aguirre-Rabon. "When college students graduate, there's a good chance they'll ending up dealing with that country in business, medicine, real estate, technology, or whatever field they choose."

For that reason, Wake Tech has added Chinese language study to its



Associate in Arts degree program. Dalton Kern, a Raleigh entrepreneur with a background in retail, opened an online business selling bamboo products from China. "After going there, I realized it would be easier if I could speak the language!" he says.

But learning Chinese requires more than a new vocabulary – it includes a whole new alphabet as well as a pronunciation method called pinyin. "This language is difficult, because it's unique," says instructor Cheng Chen. "Mandarin Chinese is not like any Western language, so students need to be motivated and willing to practice, practice, practice!"

Ariel Darnell is a graduate of Southeast Raleigh High School who's interested in Chinese language and culture. She's hoping for a career in international relations and plans to transfer to a university after completing her associate's degree at Wake Tech. Ariel thinks learning the Chinese language may give her a competitive edge. "It's one of the most spoken languages in the world!" she says.

The Triangle has a significant Chinese population, and the number of local primary and secondary schools that offer Chinese language study is increasing. Now students coming to Wake Tech can continue to learn Chinese language and culture as they prepare for university studies and career ventures in a global economy. Wake Tech's Foreign Languages Department offers instruction in Spanish and French as well. For more information, visit foreignlanguages.waketech.edu.



Get to Know China

- China is officially known as the People's Republic of China.
- China has the largest population in the world, with over 1.3 billion people
- China is the 3rd largest country by area at 3.7 million square miles



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Facts AND Findings

No degree? Get one now!

If you've ever thought about getting a college degree, now's the time! The Georgetown University Center for Education and the Workforce predicts that **63%** of all jobs in the U.S. will require at least an associate's degree by 2018. So if you're looking for a rewarding career, it's time to hit the books!



Courtesy GRCVB/visitraleigh.com



Help Wanted

The odds are improving for new graduates looking for jobs! A survey by the National Association of Colleges and Employers (NACE) reports that employers are planning to hire 8.6% more graduates from the class of 2014 than they did from the class of 2013 – that's a big jump from this time last year when employers said they would boost hiring by just 2.1% over the previous year. What are these employers looking for? At the top of the list – business degrees! Some 68.8% of employers say they're looking for graduates in that discipline.

If you're looking for a job, you're in a good spot! According to *forbes.com*, the Raleigh-Cary metropolitan area has moved into 4th place on its list of Best Big Cities for Jobs list. That's based on job creation and the rate at which those jobs are growing. The top three places are: San Jose, California; San Francisco, California; and Austin, Texas.

Top 5 Degrees Employers Want

- Business
- Engineering
- Accounting
- Computer Sciences
- Economics

Today's Specials

The buzz of creativity



If creativity had a soundtrack, what would it be? One study suggests it would probably be the busy hum of activity, not too quiet and not too loud. A 2012 study found that people generated more creative ideas and solutions when sound levels were around 70 decibels, similar to what you'd find in a café. In contrast, quieter conditions (think library) and louder ones (a busy city street) tended to inhibit creativity and produced fewer ideas and solutions.

Says lead researcher Ravi Mehta, a business administration professor at the University of Illinois, "An increased level of distraction makes you think 'out-of-the-box' – what we call abstract thinking or abstract processing, which is a hallmark of increased creativity." But the level is all important, he adds: "... when you go beyond that moderate level of noise, that distraction becomes so huge that it really starts affecting the thought process."

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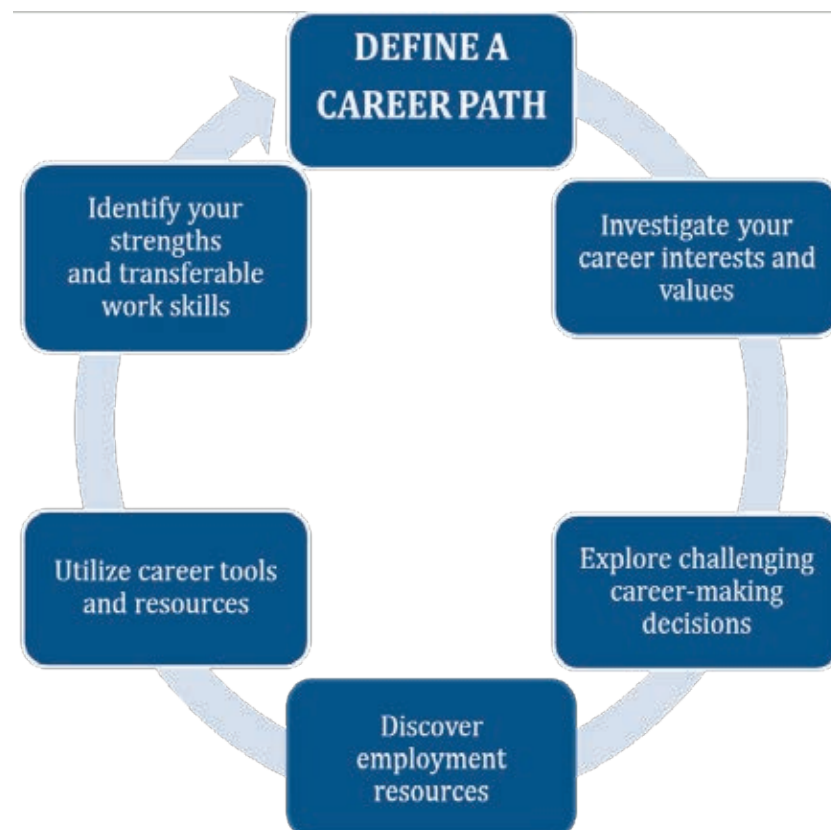


Not sure exactly what career you want to pursue? You're not alone! Many students need help navigating academic options and working toward career aspirations. One of the first important steps is self-examination: understanding your values, temperament, skills, and interests.

Lynn Kavcsak, Wake Tech's Associate Dean of Career and Employment Resources, says the ability to self-assess in choosing a career path is an important, lifelong skill. She cites the Bureau of Labor and Statistics, which reports that younger workers will hold more than 10 jobs between the ages of 18 and 42. As a result, the process of evaluating potential career paths will repeat itself over a lifetime.

At Wake Tech, students who are undecided about a major or unsure of a career choice have the option of

enrolling in the Career Lens Lab, offered by Career and Employment Resources. Students discover a list of potential careers that match their values, temperament, skills, and interests after conducting research and using a variety of self-assessment tools. They're also taught how to formulate strategies for personal and professional improvement based on their own insights as well as the perspectives of others. So go ahead, look at your future through a "Career Lens" – you might be surprised at just how clear your career path becomes!



Explore careers.waketech.edu.

In Our Next Issue...

A website is an organization's public face, its presence on the Worldwide Web. Years ago, websites were static; these days, they must be dynamic, ever-evolving. That's why there's a growing need for web developers – web designers with creative vision and the technical know-how to bring that vision to life! Learn all about Wake Tech's Web Technologies program and local career opportunities in the next edition of Career Focus, on newsstands later this year!

webtechnologies.waketech.edu



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
- ✓ **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 – Fall 2014 Semester

Semester dates	08/18/2014 – 12/18/2014
Registration period*	06/02/2014 – 08/18/2014
Last day to add a full 16-week class	08/22/2014
Last day to add a first 8-week mini-mester class	08/19/2014
Second mini-mester begins	10/20/2014
Last day to add a second 8-week mini-mester class	10/21/2014

**Students register by assigned priority*

Tuition payment deadlines: If you register:

06/02/2014 – 07/30/2014, payment is due 07/30/2014

07/31/2014 – 08/17/2014, payment is due 08/15/2014

08/18/2014 and beyond, payment is due same day you 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.



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Wake Tech offers degree programs, training, and career credentials to help you land your dream job!

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Picture yourself with a degree – ready for a career doing something you love!

Wake Tech programs offer the skills and credentials you need – degrees, diplomas, and certificates – to get the job you want. Our instructors and advisors can help you design a program of study that’s right for you. Zoom in on the many options and opportunities waiting for you at Wake Tech, and bring your future into focus!

Call Wake Tech Admissions (919-866-5500) and get started – today!



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	D = Diploma	C = Certificate	

Wake Tech Community College A-Z

Area of Study	Credentials offered	Prepares you for	*Salary Median/ Range
Accounting*	AAS, D, C	Careers that involve analyzing, processing, and communicating information about financial operations; workplaces include accounting firms, businesses, banks, hospitals, school systems, and government agencies.	29,714-42,329
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
Associate in Arts*	AA	Transfer to a senior institution; Completion of course work is equivalent to the general education requirements for a bachelor’s degree; awarded upon successful completion of 64 hours, including the minimum required in specific curriculums.	N/A
Associate in Fine Arts: (Pre-Major: Art)	AFA		
Associate in Fine Arts: (Pre-Major: Music)	AFA		
Associate in Science	AS		
Associate in Science: (Pre-Major: Engineering)	AS		
Associate, in General Education*	AGE	General education with emphasis on intellectual growth and personal enrichment; can be tailored to student interests rather than to specific technical or professional requirements.	N/A
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.	24,349-41,459
Basic Law Enforcement Training	C	Employment as an entry-level law enforcement officer with state, county, or municipal governments, or with private enterprise.	34,410-56,360
Biopharmaceutical Technology	AAS, C	Careers in pharmaceutical manufacturing, chemical quality assurance, microbiological quality assurance, product inspection, documentation review, manufacturing, and product/process validation.	24,568-45,082
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.	49,330-70,060
Business Administration/ Human Resources Management*	AAS, C	Positions in human resources departments including recruitment, training, and human resources development; work in public, private, profit and non-profit organizations in a global economy.	55,300-99,720
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

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)	54,184-67,600
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.	28,683-43,087
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.	24,230-75,071
Computer Programming**	AAS, C	Employment as a computer programmer, analyst, software developer, software tester, systems technician, database specialist, or information systems manager in business, industry, or government agencies.	42,500-118,000
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 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
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.	65,000-105,800
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.	31,740-50,544
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.	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
Diploma in Arts*	AA Transfer Diploma	Transfer to a senior institution; Completion of course work is equivalent to the core general education requirements for a bachelor's degree; awarded upon successful completion of 44 hours.	N/A
Diploma in Science	AS Transfer Diploma		N/A
Early Childhood Education	AAS, D, C	Professions working with children in learning environments including family child care homes, preschools, public and private schools, recreational centers, Head Start programs, child development programs, and programs for school-aged children.	20,300-45,300
Electrical 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 both state and national certification exams; workplaces include fire and rescue agencies, air medical services, hospitals, urgent care centers, and physician's offices.	25,625-37,585
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	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 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	31,000-50,000
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.	24,960-41,600

Area of Study	Credentials offered	Prepares you for	*Salary Median/ Range
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.	20,190-32,656
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.	23,500-41,704
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.	54,184-67,600
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**	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; work in physicians' offices, health maintenance organizations, and hospitals. eligibility to sit for the American Association of Medical Assistants Certification Examination - CMA (AAMA).	24,502-33,238
Medical Laboratory Technology	AAS	Jobs performing clinical laboratory procedures used in the diagnosis and treatment of disease; eligibility for National Certification examination by the Board of Certification of the American Society for Clinical Pathology; employment in hospitals, laboratories, and research facilities.	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
Networking Technology	AAS, C	Positions supporting local- and wide-area networks; employment as local-area network manager, network operator, network analyst, or network technician; eligibility to take certification examinations for various network products.	35,088-98,640
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.	46,508-68,430
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 in providing pharmacotherapy; work in hospital, community, specialty, IV compounding, long-term care, and medication therapy management pharmacies; eligibility to take national exam to become Certified Pharmacy Technicians.	20,100-31,387
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	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	Employment as a health care professional who uses radiation to produce images of the human body; work in hospitals, clinics, physicians' offices, or industrial settings; eligibility to take the American Registry of Radiologic Technologists' national exam for certification.	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
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
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	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

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

Making Education More Affordable

Wake Tech Foundation Scholarships Pay Off

Shawn Hurley is a busy man, juggling the demands of family, full-time work, and college classes. Shawn enrolled at Wake Tech in 2012, more than 25 years after graduating from high school. He says his education got put on hold while he was raising a family, but he's now pursuing the degree he's wanted for years. "Continuing my education has been a dream of mine for a long time – and Wake Tech is making that dream a reality!"

Shawn says affordability made Wake Tech a good choice for him, because he isn't the only student in the family – two of his children are also in college! Education is understandably taking a huge bite out of the family budget, but Shawn recently got some relief in the form of a \$1,000 scholarship from the Wake Tech Foundation. The scholarship is one of three provided annually by the Wake Tech Retirees' Association, through fundraising and member donations. Shawn says the extra funds will definitely come in handy for fall semester classes: "I was not expecting this! It will help me avoid going into debt because of my education."

With fewer money worries, Shawn says he'll be better able to focus on his schedule, which is packed! He takes classes before and after work at Wake Tech's Northern Wake Campus, just a few minutes from his job. His commute home is a bit longer – Shawn lives in Fayetteville! "I have some long days, but it's worth it. I love my classes and I love learning

new things!" Shawn's commitment to his studies is paying off. He maintains a grade point average of 4.0, is an Honors Student, and is active in two honors societies: Phi Theta Kappa and Sigma Delta Mu - Spanish.

Shawn is preparing for his future: He's pursuing an Associate in Science/Engineering degree and after he graduates from Wake Tech, he plans to transfer to a university to earn a bachelor's degree in physics or math – and eventually, a PhD! This dedicated student admits it may take years to complete his journey, but he's okay with moving forward one step at a time: "Right now I am focused on my classes at Wake Tech. I like them so much that I hate when they end!"

Foundation scholarships to offset tuition costs are available to Wake Tech curriculum students with demonstrated financial need or exceptional academic performance. For more information, visit foundation.waketech.edu.



Shawn says affordability made Wake Tech a good choice for him, because he isn't the only student in the family – two of his children are also in college!



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