



**2011-2012**

**A guide to academic programs which has been designed to assist students with career decision making.**

**This guide includes:**

- **Salary Information**
- **Skills and Interests Needed**
- **Job Duties**
- **Work Locations**
- **Holland Code**

# **Career Resource Guide** *for* **Wake Technical Community College**



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# Applied Technologies

<http://appliedtechnologies.waketech.edu>

For career information only; check with academic departments for current updates. Revised August 2011

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Air Conditioning, Heating and Refrigeration Technology A35100</b>  <i>A.A.S Degree</i>            71 credit hours</p> <p><i>Diploma (D35100A)</i>            40 credit hours</p> <p><i>Certificates (18 credit hrs)</i>  <i>Residential (C35100B)</i>  <i>Commercial (C35100C)</i>  <i>Design (C35100D)</i></p> <p><a href="http://appliedtechnologies.waketech.edu/acheatrefrige/">http://appliedtechnologies.waketech.edu/acheatrefrige/</a></p>	<p>Salary Range:            ~\$24K-61K            Median Salary:            28,101- 46,197</p>	<ul style="list-style-type: none"> <li>Requires proficiency in reading, math, and science</li> <li>Ability to work with many tools and many different kinds of mechanical equipment</li> <li>Excellent troubleshooting and repair skills</li> <li>Critical thinking, inductive and deductive reasoning required</li> <li>Physical flexibility</li> <li>Manual dexterity</li> <li>Able to work outdoors as well as indoors</li> <li>Integrity and honesty</li> <li>Good communication skills</li> </ul>	<ul style="list-style-type: none"> <li>Maintain and repair heating, cooling, and refrigeration equipment</li> <li>Install equipment</li> <li>Read blueprints and other specifications to properly install, maintain, or repair cooling, heating, and refrigeration units and related components</li> <li>Inspecting equipment and properly communicating and reporting information</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>Heating and air conditioning service companies</li> <li>Government agencies</li> <li>Fuel dealers</li> <li>Hospitals</li> <li>Schools</li> <li>Self-employed</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	<p>REC</p> <p>Realistic            Enterprising            Conventional</p>	<p>Dean            TBA            919-866-5170</p> <p>Department Head:            James (Jimmy)            Freeman            919-866-5168  <a href="mailto:jefreeman@waketech.edu">jefreeman@waketech.edu</a></p>
<p><b>Automotive Systems Technology A60160</b>  <i>A.A.S Degree</i>            65 credit hours</p> <p><a href="http://appliedtechnologies.waketech.edu/automotive/index.php">http://appliedtechnologies.waketech.edu/automotive/index.php</a></p>	<p>Salary Range:            ~\$19K-57K            Median Salary:            32,291- 46,701</p>	<ul style="list-style-type: none"> <li>Good reasoning ability</li> <li>Thorough knowledge of automobiles</li> <li>Strong communication skills</li> <li>Mechanical aptitude</li> <li>Electronics knowledge</li> <li>Good reading, mathematics, and computer skills to study technical manuals</li> <li>Willingness to constantly keep up with new technology</li> </ul>	<ul style="list-style-type: none"> <li>Maintain and repair cars and light trucks</li> <li>Use computers and other diagnostic aids and hand tools</li> <li>Constantly update themselves on new technology</li> <li>Read, understand, and apply technical manuals</li> <li>May need to weld parts</li> <li>Follow safety procedures</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>Automotive shops</li> <li>Dealerships</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	<p>RCI</p> <p>Realistic            Conventional            Investigative</p>	<p>Interim Dean            Sam Wells            919-866-5170</p> <p>Department Head:            Kenneth M.            Betancourt            919-866-5251  <a href="mailto:kmbetancourt@waketech.edu">kmbetancourt@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Basic Law Enforcement Training (BLET) C55120</b> <i>Certificate</i> 19 credit hours</p> <p>Large municipalities might require additional law enforcement training for many career opportunities</p> <p><a href="http://appliedtechnologies.waketech.edu/blet/index.php">http://appliedtechnologies.waketech.edu/blet/index.php</a></p>	<p>Salary Range: ~\$27-75K</p> <p>Median Salary: 34,410-56,360</p> <p>Police Patrol Officer ~\$25-72K</p>	<ul style="list-style-type: none"> <li>• Strong sense of ethics and desire to serve and protect the public</li> <li>• Ability to work long hours and night or evening shifts</li> <li>• Ability to negotiate and resolve disputes</li> <li>• Able to deal successfully with dangerous and stressful situations</li> <li>• Sound judgment and decision-making skills</li> <li>• Active listening and critical-thinking skills, inductive and deductive reasoning</li> </ul>	<ul style="list-style-type: none"> <li>• Patrolling, settling disputes, apprehending law breakers</li> <li>• Write reports and maintain records of incidents</li> <li>• Identify, pursue, and arrest criminals</li> <li>• Properly use an array of firearms and weapons</li> <li>• Crime scene investigating, including gathering facts and collecting evidence</li> <li>• Drive police vehicles under high speed or dangerous chase conditions</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• State, County, and Local Police departments</li> <li>• Security departments for schools, malls, and private companies</li> <li>• Drug or alcohol enforcement agencies</li> <li>• Private investigation companies</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>SER</p> <p>Social Enterprising Realistic</p>	<p>Dean TBA 919-866-5170</p> <p>Coordinator: Walt Stewart 919-866-5836 <a href="mailto:wwstewart@waketech.edu">wwstewart@waketech.edu</a></p>
<p><b>Construction Management A35190</b> <i>A.A.S Degree</i> 66 credit hours</p> <p><i>Certificate Basic (C35190C)</i> 16 credit hours</p> <p><a href="http://appliedtechnologies.waketech.edu/constrmgmt/index.php">http://appliedtechnologies.waketech.edu/constrmgmt/index.php</a></p>	<p>Median Salary Range: ~\$34-53K</p>	<ul style="list-style-type: none"> <li>• Decisive and able to work well under pressure</li> <li>• Communicate well orally and in writing</li> <li>• Able to understand architectural, engineering, and construction drawings</li> <li>• Able to coordinate several things at once</li> <li>• Good command of relevant software</li> <li>• Leadership skills</li> <li>• Able to converse in Spanish becoming increasingly useful</li> </ul>	<ul style="list-style-type: none"> <li>• Plan, direct, coordinate construction projects such as the building of all types of residential, commercial structures, roads and bridges</li> <li>• Supervise the construction process</li> <li>• Determine the best way to get materials to the construction site and to stay within budget</li> <li>• Use relevant software</li> <li>• Obtain permits and licenses</li> </ul>	<p>Sample jobs :</p> <ul style="list-style-type: none"> <li>• Construction project manager,</li> <li>• Superintendent,</li> <li>• Foreman,</li> <li>• Estimator.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>ERS</p> <p>Enterprising Realistic Social</p>	<p>Dean TBA 919-866-5170</p> <p>Department Head: Calvin R. Edgerton 919-866-5356 <a href="mailto:credgerton@waketech.edu">credgerton@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Cosmetology A55140</b>  <i>A.A.S Degree</i>  65 credit hours</p> <p><i>Diploma- (D55140A)</i>  47 Credit hours</p> <p><i>Esthetics Certificate (C55230)</i>  16 credit hours</p> <p><a href="http://cosmetology.waketech.edu/">http://cosmetology.waketech.edu/</a></p>	<p>Median Salary Range:  ~\$24-47K</p>	<ul style="list-style-type: none"> <li>• Social perceptiveness</li> <li>• Able to generate multiple ideas as needed</li> <li>• Strong interpersonal and communication skills</li> <li>• Creativity</li> <li>• Strong business and sales skills</li> <li>• Arm-hand steadiness and manual and finger dexterity</li> </ul>	<ul style="list-style-type: none"> <li>• Professional shampoo, cut, style, and chemical processes on r hair</li> <li>• May give manicures, pedicures, scalp and facial treatments</li> <li>• May advise clients on care of hair at home and skin care</li> <li>• Clean and style wigs and hairpieces</li> <li>• Must have good product knowledge</li> </ul>	<p>Work locations :</p> <ul style="list-style-type: none"> <li>• Beauty salons</li> <li>• Privately owned and spas or spas located in Hotels and resorts</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>SEA</p> <p>Social Enterprising Artistic</p>	<p>Dean  TBA  919-866-5170</p> <p>Department Head:  Paula Askew  919-866-5614  <a href="mailto:pbaskew@waketech.edu">pbaskew@waketech.edu</a></p>
<p><b>Electrical Lineman Technology AAS Degree A35210</b></p> <p><b>Collaborative Agreement with Nash Community College</b></p> <p><a href="http://www.nashcc.edu/index.php?option=com_content&amp;task=view&amp;id=94&amp;Itemid=272EBADDRESS">http://www.nashcc.edu/index.php?option=com_content&amp;task=view&amp;id=94&amp;Itemid=272EBADDRESS</a></p>	<p>Please see Nash Community College Website for all additional information</p>	<p>Please see Nash Community College Website for all additional information</p>	<p>Please see Nash Community College Website for all additional information</p>	<p>Please see Nash Community College Website for all additional information</p>	<p>Please see Nash Community College Website for all additional information</p>	<p>Please see Nash Community College Website for all additional information</p>	<p>Dean  TBA  919-866-5170</p> <p>Vicki Currin  Nash Community College  <a href="mailto:vcurrin@nashcc.edu">vcurrin@nashcc.edu</a>  (252)4510 8228</p>
<p><b>Electrical/ Electronic Technology A35220</b>  <i>A.A.S Degree</i>  66 credit hours</p> <p><i>Diploma (D35220A)</i>  43 credit hours</p> <p><i>Certificate (C35220D)</i>  <i>Wiring methods &amp; the NEC</i>  12 credit hrs</p> <p><a href="http://appliedtechnologies.waketech.edu/electrical/index.php">http://appliedtechnologies.waketech.edu/electrical/index.php</a></p>	<p>Median Salary Range:  ~\$33-52K</p>	<ul style="list-style-type: none"> <li>• Knowledge of electronics equipment</li> <li>• Strong abilities in math and science</li> <li>• Good communication and teamwork skills</li> <li>• Creativity is desirable to help with design</li> <li>• Skill with relevant computer software</li> <li>• Ability to troubleshoot problems</li> </ul>	<ul style="list-style-type: none"> <li>• Help design, develop, test, and manufacture electrical and electronic equipment such as radar, industrial or medical monitoring or control devices, and computers.</li> <li>• May work in evaluation and testing using diagnostic equipment to troubleshoot and repair</li> <li>• Use relevant software and other equipment</li> <li>• Use principles of science, engineering and mathematics</li> </ul>	<p>Typical Jobs:</p> <ul style="list-style-type: none"> <li>• Electronic engineering technician</li> <li>• Field service technician</li> <li>• Electronic tester</li> <li>• Production control technician</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRE</p> <p>Investigative Realistic Enterprising</p>	<p>Dean  TBA  919-866-5170</p> <p>Department Head:  Gary R. Randall  919-866-5165  <a href="mailto:grrandall@waketech.edu">grrandall@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<b>Heavy Equipment and Transport Technology A60240</b> <u>A.A.S. Degree</u> 72 credit hours  <a href="http://heatt.waketech.edu/">http://heatt.waketech.edu/</a>	Salary Range: ~\$25-65K	<ul style="list-style-type: none"> <li>Active Listening</li> <li>Maintaining and selecting proper tools and equipment</li> <li>Ability to read</li> <li>Ability to operate and pay continuous attention to the equipment</li> <li>Ability to follow directions to install equipment</li> <li>Mathematical ability</li> <li>Knowledge of machines</li> </ul>	<ul style="list-style-type: none"> <li>Maintaining and selecting proper tools and equipment</li> <li>Operating machines productively and safely</li> <li>Communicating effectively with supervisors, peers and subordinates</li> <li>Inspecting and repairing equipment</li> </ul>	Work locations: <ul style="list-style-type: none"> <li>Machinery and equipment dealers</li> <li>Federal, state, and local governments</li> <li>Rail transportation and support industries</li> <li>Agricultural enterprises</li> <li>Commercial leasing outfits</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	REI  Realistic Enterprising Investigative	Dean TBA 919-866-5170  Department Head: Ronald A. Lowe 919-866-5258 <a href="mailto:ralowe@waketech.edu">ralowe@waketech.edu</a>
<b>Heavy Equipment and Transport Technology: Agricultural Systems A6024A</b> <u>A.A.S. Degree</u> 72 credit hours  <a href="http://appliedtechnologies.waketech.edu/heavequip/">http://appliedtechnologies.waketech.edu/heavequip/</a>	Salary Range: ~\$25-65K Median Salary: 23,485-39,582	<ul style="list-style-type: none"> <li>Active Listening</li> <li>Maintaining and selecting proper tools and equipment</li> <li>Ability to read</li> <li>Ability to operate and pay continuous attention to the equipment</li> <li>Ability to follow directions to install equipment</li> <li>Knowledge of materials, methods, and tools involved in construction</li> </ul>	<ul style="list-style-type: none"> <li>Maintain select proper tools and equipment</li> <li>Operating construction equipment productively and safely</li> <li>Communicating effectively with supervisors, peers and subordinates</li> <li>Inspecting and repairing equipment</li> </ul>	Work locations: <ul style="list-style-type: none"> <li>farms</li> <li>agricultural locations</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	REI  Realistic Enterprising Investigative	Dean TBA 919-866-5170  Department Head: Ronald A. Lowe 919-866-5258 <a href="mailto:ralowe@waketech.edu">ralowe@waketech.edu</a>
<b>Heavy Equipment and Transport Technology: Construction Equipment Systems A6024B</b> <u>A.A.S. Degree</u> 71 credit hours  <u>Diploma (D6024BA)</u> 47 credit hours  <u>Certificates</u>  Hydraulics, Engines, and Transmissions (C6024BB) 13 credit hours  Fuel Injection, Electrical, and Electronics (C6024BC) 12 credit hours  <a href="http://appliedtechnologies.waketech.edu/heavequip/">http://appliedtechnologies.waketech.edu/heavequip/</a>	Salary Range: ~\$25-65K Median Salary: 23,485-39,582	<ul style="list-style-type: none"> <li>Active Listening</li> <li>Maintaining and selecting proper tools and equipment</li> <li>Ability to read</li> <li>Ability to operate and pay continuous attention to the equipment</li> <li>Ability to follow directions to install equipment</li> <li>Knowledge of materials, methods, and tools involved in construction</li> </ul>	<ul style="list-style-type: none"> <li>Maintain select proper tools and equipment</li> <li>Operating construction equipment productively and safely</li> <li>Communicating effectively with supervisors, peers and subordinates</li> <li>Inspecting and repairing equipment</li> </ul>	Work locations: <ul style="list-style-type: none"> <li>Specialty trade contractors</li> <li>Builders</li> <li>Highway, street, and bridge construction companies</li> <li>Mining industry</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	REI  Realistic Enterprising Investigative	Dean TBA 919-866-5170  Department Head: Ronald A. Lowe 919-866-5258 <a href="mailto:ralowe@waketech.edu">ralowe@waketech.edu</a>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Machining Technology C50300B</b>  <u>Certificate</u>  14 credit hours</p> <p><a href="http://appliedtechnologies.waketech.edu/machining/">http://appliedtechnologies.waketech.edu/machining/</a></p>	<p>Salary Range:  ~\$26-42K  Median Salary:  \$26,707-42,286</p>	<ul style="list-style-type: none"> <li>• Ability to be exact and accurate and control precision</li> <li>• Superior ability to troubleshoot</li> <li>• Excellent manual dexterity and multilimb coordination</li> <li>• Ability to work in noisy environment</li> </ul>	<ul style="list-style-type: none"> <li>• Use knowledge of mathematics and instruments such as micrometers and vernier calipers</li> <li>• Select the appropriate tools, machines, and materials to be used in preparation of machinery work</li> <li>• Machine parts to specifications using machine tools such as lathes, milling machines, shapers, or grinders (and CNC – computer numerical control)</li> <li>• Set controls to regulate machining, or enter commands to retrieve, input, or edit computerized machine control media</li> </ul>	<p>Job titles:</p> <ul style="list-style-type: none"> <li>• Machinist,</li> <li>• CNC (Computer, Numerical Control)</li> <li>• Programmer</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>RIE</p> <p>Realistic,  Investigative  Enterprising</p>	<p>Dean  TBA  919-866-5170</p> <p>Department Head:  Patricia G. Healey  (919)866-5159  <a href="mailto:paqodin@waketech.edu">paqodin@waketech.edu</a></p>
<p><b>Mechanical Drafting Technology A50340</b>  <u>A.A.S Degree</u>  65 credit hours</p> <p><u>Diploma (D50340A)</u>  40 credit hours</p> <p><u>Certificate (C50340A)</u>  12 credit hours</p> <p><a href="http://appliedtechnologies.waketech.edu/mechdraft/index.php">http://appliedtechnologies.waketech.edu/mechdraft/index.php</a></p>	<p>Salary Range:  ~\$26-67K  Median Salary:  29,532-51,139</p>	<ul style="list-style-type: none"> <li>• Able to visualize in 3 dimensions and draw well</li> <li>• Excellent command of mathematics for computations</li> <li>• Excellent comprehension of mechanical systems</li> <li>• Excellent attention to detail</li> <li>• Knowledge of materials</li> <li>• Critical thinking and complex problem solving</li> <li>• Knowledge of software to assist in drawing, for example CAD</li> </ul>	<ul style="list-style-type: none"> <li>• Develop detailed design drawings and specifications for mechanical and control equipment</li> <li>• Review specifications, sketches, drawings, and other related data to assess their effects on component designs</li> <li>• Modify designs as needed</li> <li>• Confer with customer representatives to review systems and answer installation questions</li> <li>• Produce drawings from multiple angles and in different scales</li> </ul>	<ul style="list-style-type: none"> <li>• Architectural firms</li> <li>• Engineering firms, particularly civil engineering</li> <li>• Automotive design companies</li> <li>• Companies that design industrial or control equipment</li> <li>• Manufacturers of industrial or automotive equipment</li> <li>• Metalworking shops</li> <li>• Plane, ship and boat builders</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>RAC</p> <p>Realistic  Artistic  Conventional</p>	<p>Dean  TBA  919-866-5170  <a href="mailto:schhornton@waketech.edu">schhornton@waketech.edu</a></p> <p>Department Head:  Patricia Godin-Healey  <a href="mailto:paqodin@waketech.edu">paqodin@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Plumbing D35300</b> <i>Diploma</i> 41 credit hours</p> <p><i>Certificates</i> <i>Applications and Diagrams (C35300A)</i> 15 credit hours</p> <p><i>Modern Plumbing Codes and Blueprint Reading (C35300B)</i> 17 credit hours</p> <p><a href="http://appliedtechnologies.waketech.edu/plumbing/index.php">http://appliedtechnologies.waketech.edu/plumbing/index.php</a></p>	<p>Median Salary Range: ~\$26-42K</p>	<ul style="list-style-type: none"> <li>Physical strength and stamina</li> <li>Able to read blueprints</li> <li>Able to use the tools of the trade, including saws, pipe-cutters, pipe bending machines, and soldering irons</li> <li>Increasingly important to be able to speak in English and Spanish</li> <li>Complex problem-solving skills</li> </ul>	<ul style="list-style-type: none"> <li>Read blueprints</li> <li>Lay pipe and fit pipes together</li> <li>Install and repair plumbing fixtures</li> <li>Install appliances such as dishwashers and hot water heaters</li> <li>Cut holes in walls if necessary to solve plumbing problems</li> <li>Check water systems to make sure they are operating correctly</li> </ul>	<ul style="list-style-type: none"> <li>Most jobs involve installation and repair of plumbing systems in houses,</li> <li>maintenance companies</li> <li>plumbing contractors' offices</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	<p>REI</p> <p>Realistic Enterprising Investigative</p>	<p>Dean TBA 919-866-5170</p> <p>Department Head: David Underwood 919-866-5175 <a href="mailto:deundewood@waketech.edu">deundewood@waketech.edu</a></p>
<p><b>Welding Technology D50420</b> <i>Diploma</i> 42 credit hours</p> <p><i>Certificate (C50420B)</i> 12 credit hours</p> <p><a href="http://appliedtechnologies.waketech.edu/welding/index.php">http://appliedtechnologies.waketech.edu/welding/index.php</a></p>	<p>Salary range: ~\$21-49K Median Salary: 31,904-45,897</p>	<ul style="list-style-type: none"> <li>Need steady hands</li> <li>Able to read blueprints</li> <li>Manual and finger dexterity</li> <li>Knowledge of welding practices</li> <li>Strong mechanical skills</li> <li>Attention to detail</li> <li>Ability to work in awkward positions, extreme temperatures, and be mindful of safety</li> </ul>	<ul style="list-style-type: none"> <li>Weld components</li> <li>Light torches and strike arcs</li> <li>Operate manual or semi-automatic equipment to fuse metal segments using various welding processes</li> <li>Inspect equipment and materials for problems and correct or notify supervisors</li> </ul>	<ul style="list-style-type: none"> <li>Construction, machining, industrial equipment and manufacturing industries</li> <li>Metal fabrication shops</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	<p>RES</p> <p>Realistic Enterprising Social</p>	<p>Dean TBA 919-866-5170</p> <p>Department Head: Russell Wahrman 919-866-5152 <a href="mailto:rwahrman@waketech.edu">rwahrman@waketech.edu</a></p>

# Business Technologies

<http://business.waketech.edu>

For career information only; check with academic divisions for current updates. Revised August 2011

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Accounting A25100</b>  <u>A.A.S Degree</u>            71 credit hours</p> <p><u>Diploma (D25100)</u>            38 credit hours</p> <p><u>Certificates</u>            Payroll Accounting Clerk (C25100A)            15 credit hours</p> <p>Income Tax Preparer (C25100B)            16 credit hours</p> <p>Accounting Core (C25100C)            17 Credit Hours  <a href="http://accounting.waketech.edu">http://accounting.waketech.edu</a></p>	<p>Salary Range:            ~\$18-47K            Median Salary:            \$30,560</p> <p>Sample Career:            Bookkeeper, Accounting Clerk</p> <p>(An actual 'Accountant' position typically requires a 4 year degree)</p>	<ul style="list-style-type: none"> <li>Mathematical reasoning</li> <li>Computational accuracy</li> <li>Close observation and attention to detail</li> <li>Data tracking and organization skill</li> <li>Knowledge and skill in using relevant computer applications</li> <li>Active listening and communication skill</li> </ul>	<ul style="list-style-type: none"> <li>Inspect records for proper codes and accurate computations</li> <li>Use accounting software properly to record and analyze information</li> <li>Classify financial information and keep records in journals, ledgers, or computers</li> <li>Prepare and issue bills according to established procedures</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>Businesses, small and large</li> <li>Government agencies</li> <li>Accounting and tax preparation firms</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	<p>CSI</p> <p>Conventional            Social            Investigative</p>	<p>Vice President            Sandra Dietrich            919-866-5674  <a href="mailto:sldietrich@waketech.edu">sldietrich@waketech.edu</a></p> <p>Program Coordinator            Sam Isley            919-866-5678  <a href="mailto:swisley@waketech.edu">swisley@waketech.edu</a></p>
<p><b>Baking and Pastry Arts A55130</b>  <u>A.A.S Degree</u>            73 credit hours</p> <p><u>Diploma (D55130)</u>            Baking and Pastry Arts            40 credit hours</p> <p><u>Certificate</u>            Baking &amp; Pastry Arts (C55130A)            17 credit hours</p> <p><a href="http://culinary.waketech.edu/index.php">http://culinary.waketech.edu/index.php</a></p>	<p>[(Median Salary Range: 24,349 - 41,459)]<sup>18</sup></p> <p>Job titles (starting):            Baking/Pastry Assistant, Assistant Pastry Chef</p> <p>Job titles (experience):            Pastry Chef, Cake Designer, Bakery Manager</p>	<ul style="list-style-type: none"> <li>[Strong desire to cook</li> <li>Manual dexterity</li> <li>Good communication skills</li> <li>Teamwork skills</li> <li>Social perceptiveness</li> <li>An ability to taste and smell and compose dishes aesthetically</li> <li>Attention to detail</li> <li>Ability to follow safe-handling and cooking procedures carefully]<sup>1</sup></li> </ul>	<ul style="list-style-type: none"> <li>Follow safe food handling procedures and inspect equipment</li> <li>Check that foods have been cooked properly</li> <li>Ability to prepare food and use cooking equipment properly</li> <li>Communicate with other team members about the state of a meal's preparation</li> <li>Arrange food in an attractive manner for serving]<sup>1</sup></li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>Restaurants</li> <li>Hotels</li> <li>Independent Bakeries</li> <li>Pastry Shops</li> <li>Wholesale or Retail bakeries</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	<p>ESR</p> <p>Enterprising            Social            Realistic</p>	<p>Vice President            Sandra Dietrich            919-866-5674  <a href="mailto:sldietrich@waketech.edu">sldietrich@waketech.edu</a></p> <p>Program Coordinator            James J. Hadley            919-866-5990  <a href="mailto:jhadley@waketech.edu">jhadley@waketech.edu</a></p> <p>Lead Instructor            Caralyn House            919-866-5991  <a href="mailto:cmhouse@waketech.edu">cmhouse@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Business Administration A25120</b> <i>A.A.S Degree</i> 64 credit hours</p> <p><u>Certificates</u> <i>Sales Development (C25120A)</i> 15 credit hours</p> <p><i>Customer Service (C25120B)</i> 18 credit hours</p> <p><i>Entrepreneurship (C25120C)</i> 12 credit hours</p> <p><i>Business Core (C25120D)</i> 16 credit</p> <p><i>E-Commerce (C25120E)</i> 12 credit hours</p> <p><i>Leadership (C25120F)</i> 12 credit hours</p> <p><i>Career Success(C25120G)</i> 13 credit hours <a href="http://businessadministration.waketech.edu/">http://businessadministration.waketech.edu/</a></p>	<p>Median Salary Range: Sample career: Sales Worker Supervisor ~\$20-60K Median Salary: \$33,960</p> <p>Note: Opportunity for salary increase will vary and could depend on company, the availability of on the job training. The upper end of the salary range often requires more education and/or many years of on-the-job training.</p>	<ul style="list-style-type: none"> <li>• communication skills</li> <li>• Ability to manage one's own time and the time of others</li> <li>• Ability to teach others on the job</li> <li>• Ability to monitor the performance of one's self and others on the job</li> <li>• Ability to track and adjust to business needs</li> <li>• Ability to persuade others</li> </ul>	<ul style="list-style-type: none"> <li>• Coordination of activities of department</li> <li>• Directing staff for their work schedules</li> <li>• Assigning staff specific duties</li> <li>• Reading and analyzing financial statements, sales and activity reports, and other metrics</li> <li>• Hiring and firing</li> <li>• Monitor the production and flow of goods and services</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Small and large business of every variety</li> <li>• Government agencies</li> <li>• Non-profit organizations</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>ESR, ESC, ESA</p> <p>Enterprising Social Realistic, Or Enterprising Social Conventional, Or Enterprising Social Artistic</p>	<p><i>Vice President Sandra Dietrich</i> 919-866-5674 <a href="mailto:sdietrich@waketech.edu">sdietrich@waketech.edu</a></p> <p><i>Program Coordinator TBA</i> 919-866-5675</p>
<p><b>Business Administration/ Human Resources Management A2512C</b> <i>A.A.S Degree</i> 64 credit hours</p> <p><u>Certificates</u> <i>Human Resources Management Core (C2512CA)</i> 15 credit hours</p> <p><i>Human Resource Administration (C2512CB)</i> 17 credit hours</p> <p><a href="http://businessadministration.waketech.edu/hrm.php">http://businessadministration.waketech.edu/hrm.php</a></p>	<p>Salary Range: Sample Career: Human Resource Assistant ~\$26-42K Median Salary: \$33,750</p>	<ul style="list-style-type: none"> <li>• Strong computer and communication skills</li> <li>• Ability to read and comprehend legal and work-related documents pertaining to employment and benefits</li> <li>• Ability to manage one's own time and the time of others</li> </ul>	<ul style="list-style-type: none"> <li>• Explain company policies, benefits and procedures and answer questions</li> <li>• Record data for employees</li> <li>• Interview applicants and verify data on them</li> <li>• Process and review employee applications</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Medium to large-sized businesses</li> <li>• Government agencies</li> <li>• Non-profit corporations</li> <li>• As self-employed consultants</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>ESC</p> <p>Enterprising Social Conventional</p>	<p><i>Vice President Sandra Dietrich</i> 919-866-5674 <a href="mailto:sdietrich@waketech.edu">sdietrich@waketech.edu</a></p> <p><i>Program Coordinator TBA</i> 919-532-5559</p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Criminal Justice Technology A55180</b>  <u>A.A.S Degree</u>  65 credit hours</p> <p><u>Certificate</u>  Principles of Correction(C55180A)  15 credit hours</p> <p><a href="http://cjc.waketech.edu/">http://cjc.waketech.edu/</a></p>	<p>Median Salary Range:  Sample Careers:  Probation or Parole Officer ~\$27-72K</p> <p>Correctional Officer ~\$22-60K</p>	<ul style="list-style-type: none"> <li>• Integrity</li> <li>• Interest in serving and protecting the public</li> <li>• Good decision-making skills, particularly under pressure</li> <li>• Good active listening skills</li> <li>• Social perceptiveness</li> <li>• Time management skills</li> <li>• Critical thinking skills</li> <li>• Sensitivity to situational problems.</li> <li>• Excellent judgment in potentially dangerous situations</li> </ul>	<ul style="list-style-type: none"> <li>• Provide for public safety in a variety of ways such as monitoring convicted individuals in prison settings or on parole, or by monitoring traffic, or by pursuing suspects of criminal acts</li> <li>• Prepare reports on incidents and activities related to work</li> <li>• Testify in court about activities of suspects or criminals related to work</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Private detective firms</li> <li>• Law enforcement agencies of federal state, municipal levels</li> <li>• Private detective firms</li> <li>• Security firms</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>SER</p> <p>Social  Enterprising  Realistic</p>	<p>Vice President  Sandra Dietrich  919-866-5674  <a href="mailto:sldietrich@waketech.edu">sldietrich@waketech.edu</a></p> <p>Program Coordinator  Janie Slaughter  919-866-5169  <a href="mailto:jslaughter@waketech.edu">jslaughter@waketech.edu</a></p>
<p><b>Criminal Justice Technology/ Latent Evidence A5518A</b>  <u>A.A.S Degree</u>  64 credit hours</p> <p><u>Certificate</u>  Principles of Identification and Information (C5518A)  18 credit hours</p> <p><a href="http://cjc.waketech.edu/index.php">http://cjc.waketech.edu/index.php</a></p>	<p>Median Salary Range:  (NC)  Sample Career:  Fingerprint Technician ~\$27-41K</p> <p>[Note: The popular career as a crime scene investigator usually requires a 4 year degree in most states.)</p>	<ul style="list-style-type: none"> <li>• Adherence to and knowledge of quality control processes</li> <li>• Critical-thinking skills</li> <li>• Attention to detail</li> <li>• Good communication skills</li> <li>• Teamwork skills</li> <li>• Able to user relevant computer applications for searching and comparison of fingerprints or other forensic duties</li> <li>• Integrity</li> </ul>	<ul style="list-style-type: none"> <li>• Collect evidence as directed (such as taking fingerprints)</li> <li>• Compares fingerprints</li> <li>• Provides technical assistance and instruction to other Criminal Justice personnel or the general public regarding techniques as required</li> <li>• Releases, stores, and corrects data as needed or required</li> <li>• Maintains knowledge of current procedures and performs according to procedures</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• All law enforcement, correctional and judicial agencies at the federal, state, county and municipal levels</li> <li>• Crime labs</li> <li>• Private agencies</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>RCI</p> <p>Realistic  Conventional  Investigative</p>	<p>Vice President  Sandra Dietrich  919-866-5674  <a href="mailto:sldietrich@waketech.edu">sldietrich@waketech.edu</a></p> <p>Program Coordinator  Janie Slaughter  919-866-5169  <a href="mailto:jslaughter@waketech.edu">jslaughter@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Culinary Arts A55150</b> <i>A.A.S Degree</i> 75 credit hours</p> <p><i>Diploma (D55150)</i> 43 credit hours</p> <p><i>Certificate (C55150A)</i> 18 credit hours</p> <p><a href="http://culinary.waketech.edu/">http://culinary.waketech.edu/</a></p>	<p>Median Salary Range: Sample Careers: Line Cook, Station Cook, Assistant Chef ~\$22-42K</p> <p>The Faculty define a "Chef" as one who is in a supervisory position in the kitchen</p>	<ul style="list-style-type: none"> <li>• Strong desire to cook</li> <li>• Manual dexterity</li> <li>• Good communication skills</li> <li>• Teamwork skills</li> <li>• Social perceptiveness</li> <li>• An ability to taste and smell and compose dishes aesthetically</li> <li>• Attention to detail</li> <li>• Ability to follow safe-handling and cooking procedures carefully</li> </ul>	<ul style="list-style-type: none"> <li>• Follow safe food handling procedures and inspect equipment</li> <li>• Check that foods have been cooked properly</li> <li>• Ability to prepare food and use cooking equipment properly</li> <li>• Communicate with other team members about the state of a meal's preparation</li> <li>• Arrange food in an attractive manner for serving</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Restaurants</li> <li>• Hotels</li> <li>• Schools and other institutional cafeterias</li> <li>• Catering companies</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>ESR</p> <p>Enterprising Social Realistic</p>	<p><i>Vice President</i> <i>Sandra Dietrich</i> 919-866-5674 <a href="mailto:slidietrich@waketech.edu">slidietrich@waketech.edu</a></p> <p><i>Program Coordinator</i> <i>James J. Hadley</i> 919-866-5990 <a href="mailto:jihadley@waketech.edu">jihadley@waketech.edu</a></p>
<p><b>Early Childhood Education A55220</b> <i>A.A.S Degree</i> 74 credit hours</p> <p><i>Diploma (D55220A)</i> 45 credit hours</p> <p><i>Certificates</i> <i>ECE Administrators(C55220A)</i> 16 credit hours</p> <p><i>Infant/Toddler Care (C55220C)</i> 16 credit hours</p> <p><i>ECE and CDA(C55220D)</i> 16 credit hours</p> <p><i>School Age (C55220E)</i> 16 credit hours</p> <p><i>Family Child Care(C55220F)</i> 16 credit hours</p> <p><a href="http://earlychildhoodedu.waketech.edu/">http://earlychildhoodedu.waketech.edu/</a></p>	<p>Median Salary Range: Sample Career: Child Care Associate ~20-32K</p>	<ul style="list-style-type: none"> <li>• Skill in providing educational and play activities</li> <li>• Patience, creativity, and desire to help children</li> <li>• Social perceptiveness, particularly with children</li> <li>• Awareness of the stages of childhood development</li> <li>• Ability to negotiate and resolve conflict</li> <li>• Teaching ability</li> </ul>	<ul style="list-style-type: none"> <li>• Create and implement activities that encourage physical, emotional, social, and intellectual growth of the child</li> <li>• Read to and teach children</li> <li>• Observe and care for children, teaching resolution of conflict with other children</li> <li>• Sanitize toys and other play equipment</li> <li>• Keep records on children and inform parents of problems in development or behavior</li> <li>• Teach good health habits and appropriate behavior to children</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Daycare centers in public and private facilities such as churches, privately owned centers, and businesses with associated daycares for employees</li> <li>• Government programs such as Head start</li> <li>• Private homes</li> <li>• Preschools</li> <li>• Recreational centers</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>RES</p> <p>Realistic Enterprising Social</p>	<p><i>Vice President</i> <i>Sandra Dietrich</i> 919-866-5674 <a href="mailto:slidietrich@waketech.edu">slidietrich@waketech.edu</a></p> <p><i>Program Coordinator:</i> <i>TBA</i> 919-866-5744 <a href="mailto:antucker@waketech.edu">antucker@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<b>Fire Protection Technology A55240</b> <u>A.A.S Degree</u> 70 credit hours  <u>Certificates</u> Fire Protection Technology: Basic – (C55240A) 15 credit hours Loss Control/Investigation- (C55240B) 18 credit hours Fire Management (C55240C) 18 credit hours  <a href="http://fireprotection.waketech.edu">http://fireprotection.waketech.edu</a>	[Median Salary Range: \$34,607-\$68,163	<ul style="list-style-type: none"> <li>Adhere to and knowledge of quality control processes</li> <li>Critical thinking skills</li> <li>Attention to detail</li> <li>Good Communication skills</li> <li>Teamwork</li> <li>Integrity</li> <li>Desire to serve the public</li> <li>Able to deal with dangerous and stressful situations</li> </ul>	<ul style="list-style-type: none"> <li>Provide pre-hospital care</li> <li>Extinguish fires</li> <li>Lead safety sessions for groups</li> <li>Building Inspections</li> <li>Keeping people away from scenes of accidents</li> </ul>	Work locations: <ul style="list-style-type: none"> <li>Governmental agencies</li> <li>Industrial Firms</li> <li>Insurance Rating Organizations</li> <li>Educational Organizations</li> <li>Municipal fire departments</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	RES  Realistic Enterprising Social	Vice President Sandra Dietrich 919-866-5674 <a href="mailto:sdietrich@waketech.edu">sdietrich@waketech.edu</a>  Program Coordinator Steve Fowler 919- 66-6124 <a href="mailto:svfowler@waketech.edu">svfowler@waketech.edu</a>
<b>Global Logistics Technology A25170</b> <u>A.A.S Degree</u> 69 credit hours  <u>Certificates</u> Global Logistics Technology C25170A 16 credit hours  Distribution Management C25170B 16 credit hours  <a href="http://business.waketech.edu/PDFs/logistics_brochure.pdf">http://business.waketech.edu/PDFs/logistics_brochure.pdf</a>	Median Salary Range:  (Please see website for very detailed information concerning wide range of job titles and salary	<ul style="list-style-type: none"> <li>Should enjoy work on computer</li> <li>Close observation and attention to detail</li> <li>Good communication skills</li> <li>Knowledge and skill in using technological skills</li> </ul>	<ul style="list-style-type: none"> <li>Manage order fulfillment</li> <li>Purchase raw materials</li> <li>Manage warehouses</li> <li>Arrange domestic and international transportation services.</li> <li>Engage with freight forwarders and shippers</li> <li>Supply chain collaboration</li> <li>Importing and Exporting</li> <li>Third Party logistics</li> <li>Logistics Technology</li> </ul>	Work locations: <ul style="list-style-type: none"> <li>Government agencies</li> <li>Manufacturing and service organizations</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	RES  Realistic Enterprising Social	Vice President Sandra Dietrich 919-866-5674 <a href="mailto:sdietrich@waketech.edu">sdietrich@waketech.edu</a>  Program Coordinator: Walter Martin 919-532-5672 <a href="mailto:wmartin@waketech.edu">wmartin@waketech.edu</a>
<b>Hospitality Management A25110</b> <u>A.A.S Degree</u> 68 credit hours <u>Diploma</u> Hospitality Management (D25110) 41 credit hours <u>Certificates</u> HRM Event Management (C25110A) 16 credit hours HRM Hotel Management(C25110B) 17 credit hours HRM Entrepreneur ( C25110C) 17 credit hours HRM Restaurant Management (C25110D) 17credit hours  <a href="http://hrm.waketech.edu/degreeandcert.php">http://hrm.waketech.edu/degreeandcert.php</a>	Median Salary Range:  Sample Careers: Entry-level Supervisors, Managers ~\$28-51K	<ul style="list-style-type: none"> <li>Listening actively</li> <li>Social perceptiveness</li> <li>Negotiating skill</li> <li>Organization skills</li> <li>Ability to persuade others</li> <li>Ability to use accounting and reservations software</li> <li>Ability to direct others in hotel- or restaurant-related tasks or perform hotel and restaurant related tasks</li> <li>Ability to handle multiple requests at one time</li> </ul>	<ul style="list-style-type: none"> <li>Perform tasks related to business which may require accounting, marketing, housekeeping, food service management and catering</li> <li>Use computers to assist with reservations, billing, accounting, and housekeeping</li> <li>Direct personnel on activities</li> </ul>	Work locations: <ul style="list-style-type: none"> <li>Hotels</li> <li>Motels</li> <li>Restaurants</li> <li>Resorts</li> <li>Institutions</li> <li>Clubs</li> </ul>	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	ESR  Enterprising Social Realistic	Vice President Sandra Dietrich 919-866-5674 <a href="mailto:sdietrich@waketech.edu">sdietrich@waketech.edu</a>  Program Coordinator: James J. Hadley 919-866-5990 <a href="mailto:jhadley@waketech.edu">jhadley@waketech.edu</a>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Medical Office Administration A25310</b>  <u>A.A.S Degree</u>  76 credit hours</p> <p><u>Diploma</u>  Medical Office Administration(D25310)  41 credit hours</p> <p><u>Certificates</u>  Medical Office Specialist (C25310A)  18 credit hours</p> <p>Medical Document Specialist (C25310C)  17 credit hours</p> <p><a href="http://oa.waketech.edu/">http://oa.waketech.edu/</a></p>	<p>Median Salary Range:  Sample Careers:  Medical Secretary, Patient Account Specialist, Patient Services Representative  ~\$21-37K</p>	<ul style="list-style-type: none"> <li>• Communicate effectively orally and in writing</li> <li>• Attention to detail</li> <li>• Ability to monitor the activities of yourself and others relevant to the logistics of workflow in the office</li> <li>• Actively looking for ways to serve people in the office</li> <li>• Ability to use time well</li> <li>• Ability to use computers relevant to work in the office such as word processors, email, and other office software</li> <li>• Ability to listen effectively</li> <li>• Knowledge of medical coding and procedures</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain the schedules of hospital unit or other personnel</li> <li>• Prepare reports, invoices, insurance forms, emails, and other documents using appropriate software</li> <li>• Distribute mail appropriately</li> <li>• Direct visitors appropriately to facilities or medical personnel according to access rules</li> <li>• Order supplies</li> <li>• Basic bookkeeping</li> <li>• Make travel arrangements for hospital or other personnel</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Medical offices</li> <li>• Hospitals</li> <li>• Veterinary offices and hospitals</li> <li>• Infirmary offices in schools and colleges</li> <li>• Public clinics</li> <li>• Laboratories</li> <li>• HMOs</li> <li>• Manufacturers and suppliers of medical equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed at the beginning of your program</li> </ul>	<p>CES</p> <p>Conventional  Enterprising  Social</p>	<p><i>Vice President</i>  <i>Sandra Dietrich</i>  919-866-5674  <a href="mailto:sldietrich@waketech.edu">sldietrich@waketech.edu</a></p> <p><i>Program Coordinator:</i>  <i>Paula Rosen</i>  919-866-5685  <a href="mailto:psrosen@waketech.edu">psrosen@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Office Administration A25370</b> <u>A.A.S Degree</u> 67 credit hours</p> <p><u>Diploma (D25370A)</u> 37 credit hours</p> <p><u>Certificates</u> <u>Office Specialist (C25370A)</u> 18 credit hours</p> <p><u>Word Processing &amp; Publications (C25370B)</u> 17 credit hours</p> <p><u>Legal Office (C2537AA)</u> 18 credit hours</p> <p><a href="http://ost.waketech.edu/">http://ost.waketech.edu/</a></p>	<p>Median Salary Range: Sample Career: Administrative Support ~\$28-43K</p>	<ul style="list-style-type: none"> <li>• Communicate effectively orally and in writing</li> <li>• Attention to detail</li> <li>• Ability to monitor the activities of yourself and others relevant to the logistics of workflow in the office</li> <li>• Actively looking for ways to serve people in the office</li> <li>• Ability to use time well</li> <li>• Ability to use computers relevant to work in the office such as word processors, email, and other office software</li> <li>• Ability to listen effectively</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain (calendars) schedules of executives</li> <li>• Prepare invoices, reports, letters, emails, and other documents using appropriate software</li> <li>• Distribute mail appropriately</li> <li>• Direct visitors appropriately to executives or facilities according to access rules</li> <li>• Order supplies</li> <li>• Basic bookkeeping</li> <li>• Make travel arrangements for executives</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Business offices</li> <li>• Offices of city, state, or federal agencies</li> <li>• Offices of nonprofit companies</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed at the beginning of your program</li> </ul>	<p>CSE</p> <p>Conventional Social Enterprising</p>	<p><i>Vice President</i> <i>Sandra Dietrich</i> 919-866-5674 <a href="mailto:sldietrich@waketech.edu">sldietrich@waketech.edu</a></p> <p><i>Program Coordinator:</i> <i>Paula Rosen</i> 919-866-5685 <a href="mailto:psrosen@waketech.edu">psrosen@waketech.edu</a></p>

# College/University Transfer Options

<http://advising.waketech.edu/collegetransfer.php>

For career information only; check with academic deans for current updates. Revised August 2011

PROGRAM	WHY SHOULD I CONSIDER THIS DEGREE?	SAMPLE MAJOR TRACKS	4 YEAR SCHOOLS	CONTACT PERSON(S)
<p><b>Associate of Arts Transfer A10100</b>  <i>A.A Degree</i>            64 credit hours</p> <p><i>Diploma (D10100)</i>            44 credit hours</p> <p><a href="http://ahss.waketech.edu">http://ahss.waketech.edu</a></p>	<p>The Associate in Arts (AA) degree is designed for students who want to pursue a four-year degree in a number of disciplines, including liberal arts, business, education, social sciences, or nursing, or training at a professional school that requires a strong liberal arts background.</p> <p>The Associate in Arts degree is part of the Comprehensive Articulation Agreement (CAA) which addresses the transfer of students between institutions in the North Carolina Community College System and the constituent institutions of the University of North Carolina system.</p> <p>The CAA enables Wake Tech graduates of two-year Associate in Arts degree programs, who are admitted to constituent institutions of the University of North Carolina to transfer with up to 64 credit, which could confer junior status. The CAA is also endorsed by many other independent colleges and universities. However the CAA does not guarantee admission to a specific university or program.            Last updated 7/26/11</p> <p>Note:            Each branch of the NC University system and many private Colleges provide A NC Community College Course Equivalencies sheet. At the senior institution websites look for the sheet on the Transfer Admissions website or contact the Admissions Office.</p> <p>The PAC program is a partnership between North Carolina State University and Wake Tech. This program is designed to facilitate the seamless transition of degree-seeking students from Wake Tech to NCSU.  <a href="http://pacprogram.waketech.edu/">http://pacprogram.waketech.edu/</a></p> <p>The UNC Chapel Hill – Wake Tech partnership is C-STEP. This program is designed to increase transfer opportunities for low- to moderate-income community college students.  <a href="http://www.C-STEP.org">www.C-STEP.org</a></p>	<p>Accounting            Anthropology            Archeology            Art            Business            Child Development            Communications            Criminal Justice            Design            Drama/ Theatre            Economics            Education            English            Foreign Language            Government            Health            History            Journalism            Music            Nursing            Philosophy            Political Science            Psychology            Religion            Sociology</p>	<p>Nationally transferable to Colleges and Universities</p> <p>NC public universities:  <a href="http://www.northcarolina.edu">http://www.northcarolina.edu</a></p> <p>Nationwide Universities:  <a href="http://www.petersons.com">http://www.petersons.com</a></p>	<p><i>Dean</i>  <i>Diane E. Lodder</i>            919-866-5198  <a href="mailto:delodder@waketech.edu">delodder@waketech.edu</a></p> <p><i>North Assoc Dept. Head</i>  <i>Lee Corbett</i>            919-532-5538  <a href="mailto:lcorbett@waketech.edu">lcorbett@waketech.edu</a></p> <p><i>Department Heads:</i>  <i>English:</i>  <i>Rebecca Neagle</i>            919-532-5520  <a href="mailto:rneagle@waketech.edu">rneagle@waketech.edu</a></p> <p><i>Fine Arts:</i>  <i>Dina Law</i>            919-532-5685  <a href="mailto:mdmlaw@waketech.edu">mdmlaw@waketech.edu</a></p> <p><i>Foreign Language,</i>  <i>Melania Aguirre-Rabon</i>            919-866-5211  <a href="mailto:miaquirrerabon@waketech.edu">miaquirrerabon@waketech.edu</a></p> <p><i>Humanities,</i>  <i>Steven Hill</i>            919-866-5208  <a href="mailto:msihill@waketech.edu">msihill@waketech.edu</a></p> <p><i>Social Science,</i>  <i>Kim Breivogel</i>            919-866-5203  <a href="mailto:kbreivogel@waketech.edu">kbreivogel@waketech.edu</a></p>

PROGRAM	WHY SHOULD I CONSIDER THIS DEGREE?	SAMPLE MAJOR TRACKS	4 YEAR SCHOOLS	CONTACT PERSON(S)
<p><b>Associate of Science Transfer A10400</b>  <i>A.S Degree</i>  64 credit hours</p> <p><i>Diploma</i>  (D10400)  44 credit hours</p> <p><a href="http://mathandscience.waketech.edu/">http://mathandscience.waketech.edu/</a></p>	<p>The Associate in Science (<b>AS</b>) degree is designed for students who want to pursue a four-year degree in areas of study such as computer science, engineering, mathematics, the sciences or professional programs that require strong mathematics and science backgrounds.</p> <p>The Associate in Science programs are part of the Comprehensive Articulation Agreement (CAA) which addresses the transfer of students between institutions in the North Carolina Community College System and the constituent institutions of the University of North Carolina system.</p> <p>The CAA enables Wake Tech graduates of two-year Associate in Science degree programs, who are admitted to constituent institutions of the University of North Carolina to transfer with up to 64 credit, which could confer junior status. The CAA is also endorsed by many other independent colleges and universities. However the CAA does not guarantee admission to a specific university or program.</p> <p>Note:  Each branch of the NC University system and many private Colleges provide A NC Community College Course Equivalencies sheet. At the senior institution website, look for the sheet on the Transfer Admissions website or contact the Admissions Office.</p> <p>The PAC program is a partnership between North Carolina State University and Wake Tech. This program is designed to facilitate the Seamless transition of degree-seeking students from Wake Tech to NCSU.  <a href="http://pacprogram.waketech.edu">http://pacprogram.waketech.edu</a>.</p> <p>The UNC Chapel Hill – Wake Tech partnership is C-STEP. This program is designed to increase transfer opportunities for low- to moderate-income community college students.  <a href="http://www.C-STEP.org">www.C-STEP.org</a></p>	Agriculture Animal Science Biochemistry Biology Chemistry Computer Science Engineering Entomology Environmental Science Food Science Forestry Genetics Geology Mathematics Physics Pre Dental Pre Medical Pre Pharmacy Pre Physical Science Statistics Textiles Zoology	Nationally transferable to Colleges and Universities	<i>Vice President</i> Tonya Forbes 919-866-5595 <a href="mailto:rforbes@waketech.edu">rforbes@waketech.edu</a>
			NC public universities, see <a href="http://www.northcarolina.edu">http://www.northcarolina.edu</a>	Math and Physics <i>Department Head:</i> Cheryl Keeton 919-866-5968 <a href="mailto:ckeeton@waketech.edu">ckeeton@waketech.edu</a>
			National universities, see <a href="http://www.petersons.com">http://www.petersons.com</a>	Natural Sciences, Health and Physical Education <i>Department Head</i> Gene Bartlett 919-866-5587 <a href="mailto:erbartlett@waketech.edu">erbartlett@waketech.edu</a>

PROGRAM	WHY SHOULD I CONSIDER THIS DEGREE?	SAMPLE MAJOR TRACKS	4 YEAR SCHOOLS	CONTACT PERSON(S)
<p><b>Associate of Science Pre-Engineering Transfer A1040D</b>  <i>A.S Degree</i>  64 credit hours</p> <p><a href="http://cet.waketech.edu">http://cet.waketech.edu</a></p>	<p>The Pre-Engineering program is designed to provide students with courses including chemistry, humanities, calculus, physics, and social sciences while including the basic engineering skills and knowledge to transfer to a baccalaureate degree program in Engineering.</p> <p>Bachelor of Science Engineering degrees vary by discipline and by institution. Students are advised to consult with an academic advisor or counselor when selecting their specific engineering discipline in order to tailor their course work for the appropriate degree and transfer institution. The Pre Engineering degree enables students to earn 64 credit hours toward the 120 plus credit hours required for a Bachelors degree.</p> <p>Note:  Each branch of the NC University system and many private Colleges provide A NC Community College Course Equivalencies sheet. At the senior institution websites look for the sheet on the Transfer Admissions website or contact the Admissions Office.</p> <p>The PAC program is a partnership between North Carolina State University and Wake Tech. This program is designed to facilitate the seamless transition of degree-seeking students from Wake Tech to NCSU. <a href="http://pacprogram.waketech.edu">http://pacprogram.waketech.edu</a>.</p> <p>The UNC Chapel Hill – Wake Tech partnership is C-STEP. This program is designed to increase transfer opportunities for low- to moderate-income community college students. <a href="http://www.C-STEP.org">www.C-STEP.org</a></p>	Aerospace Biological Biomedical Chemical Civil Computer Computer Networking Computer Science Construction Management Electrical Environmental Industrial Integrated Management Systems Materials Science Mechanical Nuclear Paper Science Textile	Nationally transferable to Colleges and Universities  For NC public universities, see <a href="http://www.northcarolina.edu">http://www.northcarolina.edu</a>  For all national universities, see <a href="http://www.petersons.com">http://www.petersons.com</a>	<i>Vice President</i> Tonya Forbes 919-866-5595 <a href="mailto:tpforbes@waketech.edu">tpforbes@waketech.edu</a>  <i>Department Head:</i> Susan Meardon 919-866-5344 <a href="mailto:smeardon@waketech.edu">smeardon@waketech.edu</a>

# Computer and Engineering Technologies

<http://cet.waketech.edu>

For career information only; check with academic divisions for current updates. Revised August 2011

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Advertising and Graphic Design A30100</b>  <i>A.A.S Degree</i>            72 credit hours</p> <p><u>Certificates:</u>  <i>Graphic and Design (C30100A)</i>            18 credit hours</p> <p><i>Web and Graphic Design (C30100B)</i>            18 credit hours</p> <p><i>Digital Media (C30100C)</i>            15 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/grd/default.php">http://cet.waketech.edu/Departments/grd/default.php</a></p>	<p>Median Salary Range:            Sample Career: Graphic Designer            ~\$29-50K</p>	<ul style="list-style-type: none"> <li>• Communicate effectively orally and in writing</li> <li>• Ability to communicate in pictures an idea that would effectively inform or persuade others or sell a concept or a product</li> <li>• Knowledge of artistic theory and techniques</li> <li>• Knowledge of design principles</li> <li>• Ability to use computers and relevant software</li> <li>• Understanding and skill in media techniques to inform and entertain</li> <li>• Understanding and skill in principles and methods of sales and promotion</li> </ul>	<ul style="list-style-type: none"> <li>• Create designs, concepts and layouts based on esthetic principles</li> <li>• Determine sizes and styles of type and illustrative material</li> <li>• Confer with clients about design</li> <li>• Review final layouts and suggest or implement improvements as needed</li> <li>• Use appropriate computer software</li> <li>• Prepare notes and instructions for printer or final assembly workers</li> </ul>	<ul style="list-style-type: none"> <li>• Advertising agencies</li> <li>• Design studios</li> <li>• Printing companies</li> <li>• Newspapers</li> <li>• Manufacturing industries or other businesses with in-house graphics operations</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>AER</p> <p>Artistic            Enterprising            Realistic</p>	<p><i>Dean</i>  <i>Angela Bequette</i>            919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p><i>Department Head</i>  <i>Alison Consol</i>            919-866-5393  <a href="mailto:aiconsol@waketech.edu">aiconsol@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<b>Architectural Technology A40100</b> <u>A.A.S Degree</u> 73 credit hours  <u>Certificate</u> Architectural CAD (C40100A) 13 credit hours  <a href="http://cet.waketech.edu/Departments/arc/default.php">http://cet.waketech.edu/Departments/arc/default.php</a>	Median Salary Range: Sample Career: Architectural Drafter ~\$30-44K	<ul style="list-style-type: none"> <li>• Listening attentively</li> <li>• Ability to visualize an object in different dimensions from different angles</li> <li>• Ability to draw well</li> <li>• Ability to use computers and appropriate software such as CAD</li> <li>• Knowledge of construction materials</li> <li>• Knowledge of design principles, tools and techniques</li> <li>• Ability to use mathematics to solve problems and estimate distances</li> </ul>	<ul style="list-style-type: none"> <li>• Analyze building codes, by-laws, space and size requirements for their effects on an architectural design</li> <li>• Operate computer-aided drafting (CAD) equipment or other equipment to produce designs, drawings, and other documents</li> <li>• Draw sketches and detailed drawings to scale for buildings based on specifications and other data</li> <li>• Inspect the work of construction technicians and technologists on a construction site</li> <li>• Check dimensions of materials</li> </ul>	Work locations: <ul style="list-style-type: none"> <li>• Architectural offices</li> <li>• Engineering firms</li> <li>• Construction companies</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	RCI  Realistic Conventional Investigative	Dean Angela Bequette 919-866-5394 <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a>  Department Head Sloan 'Bud' Burton 919-866-5326 <a href="mailto:smburton@waketech.edu">smburton@waketech.edu</a>
<b>Associate of Science Pre-Engineering Transfer A1040D</b> <u>A.S Degree</u> 64 credit hours  <a href="http://cet.waketech.edu">http://cet.waketech.edu</a>	Salary dependent on particular degree with particular major attained at 4 year college.  Please see detailed information under College and University Transfer Section	Relates to selected engineering major .  Please see detailed information under College and University Transfer Section	Relates to selected engineering major  Please see detailed information under College and University Transfer Section	Relates to selected engineering major.  Please see detailed information under College and University Transfer Section	Courses are nationally transferable to colleges or universities that offer engineer majors.	Varies, Includes Investigative, Realistic, Enterprising in different order	Vice President Tonya Forbes 919-866-5595 <a href="mailto:tpforbes@waketech.edu">tpforbes@waketech.edu</a>  Department Head: Susan Meardon 919-866-5344 <a href="mailto:smeardon@waketech.edu">smeardon@waketech.edu</a>
<b>Bio Pharmaceutical Technology A20180</b> <u>A.A.S Degree</u> 73 credit hours  <u>Certificate</u> Applied Biotechnology (C20180A) 13 credit hours  <a href="http://cet.waketech.edu/Departments/ptc/default.php">http://cet.waketech.edu/Departments/ptc/default.php</a>	Median Salary Range: ~\$28-56K	<ul style="list-style-type: none"> <li>• Good communication skills</li> <li>• Good teamwork skills</li> <li>• Able to use relevant software in computers, particularly modeling software</li> <li>• Skill in interpreting scientific results</li> <li>• Attention to detail</li> <li>• Analytical skills</li> </ul>	<ul style="list-style-type: none"> <li>• Assist with chemical quality assurance or product inspection</li> <li>• May operate sophisticated equipment for manufacturing</li> <li>• Cleaning or arranging lab equipment</li> <li>• Assist with product/process validation</li> </ul>	Work locations & Type of Job <ul style="list-style-type: none"> <li>• Employment in pharmaceutical manufacturing and related industries,</li> <li>• Chemical quality assurance,</li> <li>• Microbiological quality assurance,</li> <li>• Product inspection, documentation review,</li> <li>• Manufacturing, and product/process validation</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	REC  Realistic Enterprising Conventional	Dean Angela Bequette 919-866-5394 <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a>  Department Head Cliff Hinton 919-866-5338 <a href="mailto:cehinton@waketech.edu">cehinton@waketech.edu</a>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Civil Engineering Technology A40140</b>  <u>A.A.S Degree</u>  70 credit hours</p> <p><u>Certificate:</u>  Civil Design (C40140A)  13-14 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/civ/default.html">http://cet.waketech.edu/Departments/civ/default.html</a></p>	<p>Median Salary Range:  Sample Career: Construction Technician  ~\$29-48K</p>	<ul style="list-style-type: none"> <li>• Knowledge of algebra, geometry, trigonometry, and relevant computer software</li> <li>• Knowledge of survey equipment, drawing and drafting</li> <li>• Able to communicate effectively in a tactful and courteous manner</li> <li>• Knowledge of elementary physical, mechanical and earth science principles</li> <li>• Skilled in tools appropriate to the building trades</li> </ul>	<ul style="list-style-type: none"> <li>• Documents construction progress in computer</li> <li>• Inspects small to moderately complex projects (i.e., bridge culverts)</li> <li>• Assists supervisor in instructing employees and balancing the workload</li> <li>• Updates as-built plans</li> </ul>	<ul style="list-style-type: none"> <li>• Work locations:</li> <li>• Public or private engineering, construction, and surveying companies,</li> <li>• Environmental technology companies</li> <li>• Companies involved with Transportation systems either residential and commercial</li> <li>• Companies involves with buildings bridges, dams, water treatment facilities</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>REC</p> <p>Realistic  Enterprising  Conventional</p>	<p>Dean  Angela Bequette  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p>Department Head  Jim Hester  919-866-5337  <a href="mailto:jehester@waketech.edu">jehester@waketech.edu</a></p>
<p><b>Computer Engineering Technology A40160</b>  <u>A.A.S Degree</u>  74 credit hours</p> <p><u>Certificate</u>  C Language Programming (C40160B)  12 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/cet/default.html">http://cet.waketech.edu/Departments/cet/default.html</a></p>	<p>Median Salary Range:  Sample Career: Computer Hardware Technician  ~46-73K</p>	<ul style="list-style-type: none"> <li>• Problem-solving and analytical skills</li> <li>• Good communication skills</li> <li>• Ability to recognize and diagnose hardware malfunctions and some software problems</li> <li>• Knowledge of computer hardware and peripherals</li> <li>• Ability to use automated software tools</li> <li>• Knowledge of common configuration options and operating systems</li> <li>• Ability to program in commonly used languages and scripting languages</li> </ul>	<ul style="list-style-type: none"> <li>• Install, clean, repair and maintain hardware and software</li> <li>• May run automatic software to debug problems remotely</li> <li>• May rebuild or replace hardware components</li> <li>• May configure various machines for operation in a network</li> <li>• May be involved in programming for certain debugging, updating, or testing tasks</li> </ul>	<p>Work Locations:</p> <ul style="list-style-type: none"> <li>• Any public and private industries that have need of computers and computer networks.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRC</p> <p>Investigative  Realistic  Conventional</p>	<p>Dean  Angela Bequette  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p>Department Head  Bill Routt  919-866-5352  <a href="mailto:waroutt@waketech.edu">waroutt@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Computer Information Technology A25260</b>  <u>A.A.S Degree</u>  72 credit hours</p> <p><u>Certificates:</u>  <i>Microsoft Office Specialist (C25260A)</i>  14 credit hours</p> <p><i>Spreadsheet Specialist (C25260E)</i>  13 credit hours</p> <p><i>Hardware Troubleshooting (C25260G)</i>  12 credit hours</p> <p><i>Computer Forensics (C25260J)</i>  15 credit hours</p> <p><i>IT Support Technician (C25260K)</i>  14 credit hours</p> <p><i>IT Support Management (C25260L)</i>  16 credit hours</p> <p><i>IT Foundations (C25260M)</i>  18 credit hours</p> <p><i>Healthcare Informatics(C25260N)</i>  18 credit hours</p> <p><i>Open Source IT (C25260O)</i>  16 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/cis/default.html">http://cet.waketech.edu/Departments/cis/default.html</a></p>	<p>Median Salary Range:  Sample Career: Helpdesk Support Technician  ~46-78K</p>	<ul style="list-style-type: none"> <li>• Problem-solving and analytical skills</li> <li>• Good communication skills</li> <li>• Ability to recognize and diagnose hardware malfunctions and some software problems</li> <li>• Ability to use automated software tools<sup>2</sup></li> <li>• Knowledge of common configuration options and operating systems</li> <li>• Knowledge of common software business applications</li> <li>• Knowledge of database concepts and applications</li> </ul>	<ul style="list-style-type: none"> <li>• May Install, clean, repair and maintain hardware and software</li> <li>• May answer telephone inquiries as in a helpdesk and run automatic software to debug problems remotely</li> <li>• May rebuild or replace hardware components</li> <li>• May configure various machines for operation in a network</li> <li>• May be involved in programming for certain debugging, updating, or testing tasks</li> </ul>	<p>Job Titles:</p> <ul style="list-style-type: none"> <li>• Entry-level support</li> <li>• Helpdesk technician</li> <li>• Systems maintenance technician</li> </ul> <p>Work locations:</p> <ul style="list-style-type: none"> <li>• All public and private industries that have need of computers and computer networks.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRC</p> <p>Investigative  Realistic  Conventional</p>	<p><i>Dean</i>  <i>Angela Bequette</i>  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p><i>Department Head</i>  <i>Matt Zullo</i>  919-866-5392  <a href="mailto:mdzullo@waketech.edu">mdzullo@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Computer Programming A25130</b>  <i>A.A.S Degree</i>            74 credit hours</p> <p><u>Certificates:</u>  <i>JAVA Programming (C25130A)</i>            15 credit hours</p> <p><i>Visual BASIC Programming (C25130B)</i>            17 credit hours</p> <p><i>C++ Programming (C25130C)</i>            13 credit hours</p> <p><i>Visual C# Programming (C25130D)</i>            17 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/csc/default.php">http://cet.waketech.edu/Departments/csc/default.php</a></p>	<p>Median Salary Range:            Sample Career:            Computer Programmer            ~47-81K</p>	<ul style="list-style-type: none"> <li>• Strong ability to think logically and precisely</li> <li>• Strong attention to detail</li> <li>• Good communication and teamwork skills</li> <li>• An ability to think in abstract concepts and perform exacting analytical work, particularly under pressure</li> <li>• Commitment to constantly updating programming skills as technology changes</li> </ul>	<ul style="list-style-type: none"> <li>• Write, update, test and maintain the instructions (programs) that computers need to do their work</li> <li>• Conceive, design and test logical structures for solving problems by computer, which outline the detailed instructions that the programmers write</li> <li>• Document structures and functions of computer programs</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Employment in business, industry, or government agencies</li> </ul> <p>Job Titles:</p> <ul style="list-style-type: none"> <li>• Entry-level computer programmer</li> <li>• Programmer trainee</li> <li>• Assistant Software developer</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRC</p> <p>Investigative            Realistic            Conventional</p>	<p><i>Dean</i>  <i>Angela Bequette</i>            919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p><i>Department Head</i>  <i>Cindy Foster</i>            919-866-5390  <a href="mailto:crfoster@waketech.edu">crfoster@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Database Management A25150</b>  <u>A.A.S Degree</u>  73 credit hours</p> <p><u>Certificates:</u>  Oracle Developer (C25150A)  12 credit hours</p> <p>Oracle DBA Programming (C25150B)  15 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/dba/default.html">http://cet.waketech.edu/Departments/dba/default.html</a></p>	<p>Median Salary Range:  Sample Career: Database Administrator  ~\$30-58K</p>	<ul style="list-style-type: none"> <li>• Strong ability to think logically and precisely</li> <li>• Strong attention to detail</li> <li>• Good communication and teamwork skills</li> <li>• An ability to organize data efficiently</li> <li>• Strong analytical and problem-solving skills</li> <li>• Commitment to constantly updating skills as technology changes</li> </ul>	<ul style="list-style-type: none"> <li>• Determine ways in which data will be organized in a database</li> <li>• Work with data management software and the computer environment of a database to assure the performance of a database in storing, updating, and retrieving information</li> <li>• Add new users to a database system</li> <li>• Plan and coordinate security measures with network administrators</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Employment in business, industry, or government agencies</li> </ul> <p>Job titles:</p> <ul style="list-style-type: none"> <li>• Entry-level administrative, development, or data warehousing positions,</li> <li>• Database Analyst, Specialist, or Administrator</li> <li>• NET Developer</li> <li>• Web Application developer</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRE</p> <p>Investigative  Realistic  Enterprising</p>	<p>Dean  Angela Bequette  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p>Department Head  Cindy Foster  919-866-5390  <a href="mailto:crfoster@waketech.edu">crfoster@waketech.edu</a></p>
<p><b>Electronics Engineering Technology A40200</b>  <u>A.A.S Degree</u>  76 credit hours</p> <p><u>Certificates:</u>  Basic Electronics (C40200A)  18 credit hours</p> <p>PLC Programming (C40200B)  14 credit hours</p> <p>Robotics (C40200C)  13 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/eln/default.html">http://cet.waketech.edu/Departments/eln/default.html</a></p>	<p>Median Salary Range:  Sample Career: Electrical Installer or Repairer  ~33-52K</p>	<ul style="list-style-type: none"> <li>• Strong problem-solving skills</li> <li>• Knowledge of software programs and diagnostic tools to check equipment</li> <li>• Awareness of safety procedures and physical ability to handle heavy equipment in certain environments</li> <li>• Knowledge and skill with power and hand tools</li> <li>• Knowledge of electricity, electrical equipment and electronics</li> <li>• Good eyesight and color perception</li> </ul>	<ul style="list-style-type: none"> <li>• Follow logical procedures in checking for problems</li> <li>• Use diagnostic tools and software to find problems</li> <li>• Read electrical schematics when needed</li> <li>• May need to write a computer program to operate a Programming Logic Control (PLC), which may be used to replace older automated control devices.</li> <li>• Install and maintain electrical components</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Employment in the electrical/ electronics field assisting with installation and maintenance of such systems in residential, commercial or industrial facilities.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>RIE</p> <p>Realistic  Investigative  Enterprising</p>	<p>Dean  Angela Bequette  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p>Department Head  William (Bill) Routt  919-866-5352  <a href="mailto:waroutt@waketech.edu">waroutt@waketech.edu</a></p>

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<b>Environmental Science Technology A20140</b> A.A.S Degree 73 credit hours  <a href="http://cet.waketech.edu/Departments/env/default.html">http://cet.waketech.edu/Departments/env/default.html</a>	Median Salary Range: Sample Career: Environmental Technician ~34-64K	<ul style="list-style-type: none"> <li>Communicate effectively orally and in writing</li> <li>Attention to detail</li> <li>Proficient in math and science</li> <li>Able to follow safe handling procedures of hazardous materials</li> <li>Teamwork skills</li> <li>Creativity is desirable for assisting in design work</li> <li>Able to take specimens and record data</li> <li>Able to use relevant software</li> <li>Able to help build or set up equipment</li> </ul>	<ul style="list-style-type: none"> <li>Work with environmental engineers and scientists to develop methods and devices to help with prevention, control or correction of environmental hazards</li> <li>Inspect and maintain equipment related to such things as air pollution and recycling</li> <li>Inspect water and wastewater for pollution or other hazards</li> </ul>	Work locations: Testing/consulting and related industries for chemical analysis, biological analysis, water/wastewater treatment, EPA compliance, and hazardous materials handling.	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	IRE  Investigative Realistic Enterprising	Dean Angela Bequette 919-866-5394 <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a>  Department Head Cliff Hinton 919-866-5338 <a href="mailto:cehinton@waketech.edu">cehinton@waketech.edu</a>
<b>Geospatial Technology A40220</b> A.A.S Degree 67 credit  <a href="http://cet.waketech.edu/Departments/gis/default.php">http://cet.waketech.edu/Departments/gis/default.php</a>	Varies widely according to company, location, industry, benefits and experience  Sample Career: Technician 33K  GIS Mapping Assist. 38K  Sample Job Titles: GIS Technician GIS Data Specialist GIS Specialist GIS Mapping Technician Engineering Technician GIS Mapping Assistant GIS Application Specialist Engineering Aide	<ul style="list-style-type: none"> <li>Strong Macro / C / C++ / Visual Basic programming skills</li> <li>Understanding of and/or willing to learn math and statistical analysis</li> <li>Strong Oracle or related RDBMS skills including development skills</li> <li>Excellent verbal / written Com. skills</li> <li>Genuinely excited and enthusiastic about learning and pushing technical limits / finding new solutions</li> <li>Good writing skills - for documentation, training, processes</li> <li>Good analytical / problem solving skills</li> <li>A basic understanding of the concepts behind data management in a relational database</li> <li>Good IT technical skills</li> </ul>	<ul style="list-style-type: none"> <li>GIS professionals use GIS to visualize, analyze, and model systems to help in the planning and decision-making processes of their organizations. They make geographic information accessible to scientists, planners, decision makers, and the public.</li> </ul>	Work locations: <ul style="list-style-type: none"> <li>Business</li> <li>Defense/ Intelligence</li> <li>Education</li> <li>Engineering</li> <li>Government</li> <li>Health/Human Services</li> <li>Natural Resources</li> <li>Public Safety</li> <li>Transportation</li> <li>Utilities/ Communication</li> </ul> For clear, detailed information visit: <a href="http://www.esri.com/industries.html">www.esri.com/industries.html</a>	<ul style="list-style-type: none"> <li>Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>Or, please seek information from the contact person listed</li> </ul>	Many codes apply:  Investigative Realistic Enterprising Conventional	Dean Angela Bequette 919-866-5394 <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a>  Department Head: Jim Hester 919-866-5337 <a href="mailto:jehester@waketech.edu">jehester@waketech.edu</a>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Industrial Engineering Technology A40240</b>  <i>A.A.S Degree</i>  65 credit hours</p> <p><i>Certificates:</i>  <i>Industrial Management (C40240A)</i>  13 credit hours</p> <p><i>Quality Assurance (C40240B)</i>  13 credit hours</p> <p><i>Advanced Quality Assurance (C40240C)</i>  12 credit hours</p> <p><i>Manufacturing Process Control (C40240D)</i>  13 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/ind/default.html">http://cet.waketech.edu/Departments/ind/default.html</a></p>	<p>Median Salary Range:  Sample Career: Industrial Engineering Technician  ~\$42-65K</p>	<ul style="list-style-type: none"> <li>• Communicate effectively orally and in writing</li> <li>• Attention to detail</li> <li>• Proficient in math</li> <li>• Strong analytical and clerical skills for analyzing production costs</li> <li>• Teamwork skills</li> <li>• Able to conduct statistical studies and plan the flow of work</li> <li>• Able to use relevant software</li> <li>• Able to think efficiently</li> </ul>	<ul style="list-style-type: none"> <li>• Study the efficient use of personnel, materials, and machines in places of industry</li> <li>• Prepare layouts for machinery and equipment</li> <li>• Plan the flow of work</li> <li>• Conduct statistical studies of production time or quality</li> <li>• Analyze production costs for the workflow</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Employment in industry in various capacities such as industrial technology, team leadership, quality assurance, supervision, and facilities management.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRE</p> <p>Investigative  Realistic  Enterprising</p>	<p><i>Dean</i>  <i>Angela Bequette</i>  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p><i>Department Head</i>  <i>Dave Hedrick</i>  919-866-5336  <a href="mailto:dwhedrick@waketech.edu">dwhedrick@waketech.edu</a></p>
<p><b>Information Systems Security A25270</b>  <i>A.A.S Degree</i>  72 credit hours</p> <p><i>Certificate:</i>  <i>Network Security Administration (C25270A)</i>  18 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/sec/default.php">http://cet.waketech.edu/Departments/sec/default.php</a></p>	<p>Median Salary Range:  Sample Career: Security Administrator  ~\$31-52K</p>	<ul style="list-style-type: none"> <li>• Communicate effectively orally and in writing</li> <li>• Attention to detail</li> <li>• Strong analytical skills</li> <li>• Able to use or create relevant software</li> <li>• Persistence in establishing security barriers and in investigating security holes and breaches</li> <li>• Strong problem-solving skills</li> <li>• Ability to organize data</li> </ul>	<ul style="list-style-type: none"> <li>• Plan, coordinate and implement the organization's information security</li> <li>• Install security software and monitor for security breaches</li> <li>• Respond to cyber attacks and sometimes gather evidence to be used in prosecuting such attacks</li> </ul>	<p>Job titles:</p> <ul style="list-style-type: none"> <li>• Security administrators, eligible to pursue security certification.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>CIS</p> <p>Conventional  Investigative  Social</p>	<p><i>Dean</i>  <i>Angela Bequette</i>  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p><i>Department Head</i>  <i>Gwen Hammaker</i>  919-866-5320  <a href="mailto:gwhammaker@waketech.edu">gwhammaker@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Interior Design A30220</b>  A.A.S Degree  72 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/int/default.php">http://cet.waketech.edu/Departments/int/default.php</a></p>	<p>Median Salary Range:  Sample Career: Interior Design Assistant  ~30 – 42K</p>	<ul style="list-style-type: none"> <li>• Attention to detail</li> <li>• Ability to carry out administrative tasks such as ordering samples<sup>2</sup></li> <li>• Artistic ability may be a plus for assisting the designer with selections of styles, colors, furniture and other tasks</li> </ul>	<ul style="list-style-type: none"> <li>• Assist designers with carrying out design plans, which involve the selection of styles, colors, and furniture but may also involve architectural detailing such as the installation of bookshelves or crown molding</li> <li>• Review catalogs and order samples</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• In a designer's studio or office</li> <li>• In clients' homes or offices</li> <li>• Showrooms and design centers (for example, for a builder)</li> <li>• Manufacturing facilities</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>AES</p> <p>Artistic  Enterprising  Social</p>	<p>Dean  Angela Bequette  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p>Department Head  Sloan 'Bud' Burton  919-866-5326  <a href="mailto:smburton@waketech.edu">smburton@waketech.edu</a></p>
<p><b>Landscape Architecture Technology A40260</b>  A.A.S Degree  67 credit hours</p> <p>Landscape Architecture Certificate (C40260A)  16 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/lar/default.php">http://cet.waketech.edu/Departments/lar/default.php</a></p>	<p>Median Salary Range:  Sample Career: Landscape Architecture Technician  ~\$31-65K</p>	<ul style="list-style-type: none"> <li>• Knowledge of landscaping codes</li> <li>• Drafting skill</li> <li>• Computer skills such as CADD</li> <li>• An ability to estimate labor and materials</li> <li>• Knowledge of surveying</li> <li>• Good teamwork and conflict resolution skills</li> <li>• Creativity and problem-solving skills</li> <li>• Knowledge of planning, design, and construction processes</li> <li>• Ability to apply basic specific engineering and architecture principles and practices</li> </ul>	<ul style="list-style-type: none"> <li>• Technical support and less complex drafting duties to assist a landscape architect. Typically works under a master draftsman.</li> <li>• More experienced technicians assist in conceptual planning through construction modification, mostly independently, and can lead a group of technicians</li> </ul>	<p>Job title:</p> <ul style="list-style-type: none"> <li>• Landscape architecture technician in landscape design, construction, and architecture, with opportunities to advance in large-scale site design, supervision, and residential landscape design.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>AIR</p> <p>Artistic  Investigative  Realistic</p>	<p>Dean  Angela Bequette  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p>Department Head  Sloan 'Bud' Burton  919-866-5326  <a href="mailto:smburton@waketech.edu">smburton@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Mechanical Engineering Technology A40320</b>  <b>A.A.S Degree</b>  65 credit hours</p> <p><i>Certificates:</i>  <b>Mechanical Design (C40320B)</b>  13 credit hours</p> <p><b>Thermal Mechanics (C40320C)</b>  12 credit hours</p> <p><b>Materials Engineering (C4020D)</b>  13 credit hours</p> <p><b>Engineering Management (C4020E)</b>  13 credit hours</p> <p><b>Engineering Fundamentals (C40320F)</b>  12 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/mie/default.html">http://cet.waketech.edu/Departments/mie/default.html</a></p>	<p>Median Salary Range:  Sample Career: Mechanical Engineering Technician  ~\$36-55K</p>	<ul style="list-style-type: none"> <li>• Strong abilities in math and science</li> <li>• Good communication and teamwork skills</li> <li>• Creativity is desirable to help with design</li> <li>• Skill with relevant computer software</li> <li>• An ability to draw and sketch mechanical parts</li> <li>• Good problem-solving ability</li> <li>• Ability to conceptualize mechanical fit and function of parts and the process that works with them</li> </ul>	<ul style="list-style-type: none"> <li>• Assist engineers with the design, test, development and manufacturing of industrial machinery and other equipment.</li> <li>• Set up instrumentation for tests</li> <li>• May make rough layouts, analyze data, make estimates, and write reports.</li> <li>• Test and inspect machines</li> <li>• Work with engineers to eliminate production problems</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Employment in manufacturing, fabrication, research and development, and service industries.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRE</p> <p>Investigative  Realistic  Enterprising</p>	<p><i>Dean</i>  <b>Angela Bequette</b>  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p><i>Department Head</i>  <b>Dave Hedrick</b>  919-866-5336  <a href="mailto:dwhedrick@waketech.edu">dwhedrick@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Networking Technology A25340</b>  <i>A.A.S Degree</i>  72 credit hours</p> <p><i>Certificates:</i>  <i>Cisco Certified Network Associate (CCNA)</i>  (C25340C)  12 credit hours</p> <p><i>Cisco Certified Network Professional (CCNP)</i>  (C25340I)  12 credit hours</p> <p><i>Microsoft Certified Systems Administration (MCSA)</i>  (C25340J)  18 credit hours</p> <p><i>Linux Red Hat Administrator</i>  (C25340K)  12 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/net/default.html">http://cet.waketech.edu/Departments/net/default.html</a></p>	<p>Median Salary Range:  Sample Career:  Network Manager,  Network Technician,  Network Analyst  ~\$46-73K</p> <p>[Median Salary Range:  Sample Career:  Network Operator  ~ \$25-43K</p>	<ul style="list-style-type: none"> <li>• Strong analytical and problem-solving skills</li> <li>• Attention to detail</li> <li>• Knowledge of networking in computer systems</li> <li>• Able to design and plan efficient networks</li> <li>• Knowledge of relevant software and techniques for assuring a secure network</li> </ul>	<ul style="list-style-type: none"> <li>• Network managers and network analysts may design, install and support an organization's computer systems.</li> <li>• Network technicians may work closely with a software engineer to conduct tests, collect data, or solve problems.</li> <li>• Network operators perform tasks to keep a network running and secure, may help with problem determination for other network professionals</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Network operators, analysts, managers, or technicians. supporting Local area (LAN) and Wide area (WAN) networks.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRS</p> <p>Investigative  Realistic  Social</p>	<p><i>Dean</i>  <i>Angela Bequette</i>  919-866-5394  <i>albequette@waketech.edu</i></p> <p><i>Department Head</i>  <i>Gwen Hammaker</i>  919-866-5320  <i>gwhammaker@waketech.edu</i></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Simulation and Game Development A25450</b>  <b>A.A.S Degree</b>  74 credit hours</p> <p><u>Diplomas:</u>  <i>Game Programming and Design (D25450A)</i>  45 credit hours</p> <p><i>Modeling and Animation (D25450B)</i>  48 credit hours</p> <p><u>Certificates</u>  <i>Modeling and Animation (C25450A)</i>  15 credit hours</p> <p><i>Production (C25450B)</i>  18 credit hours</p> <p><a href="http://cet.waketech.edu/sgd/sgd.htm">http://cet.waketech.edu/sgd/sgd.htm</a></p>	<p>[Median Salary Range:  ~28 – 60K</p>	<ul style="list-style-type: none"> <li>• Strong ability to think logically and efficiently</li> <li>• Strong attention to detail</li> <li>• Good communication and teamwork skills</li> <li>• Strong problem-solving and analytical skills</li> <li>• Commitment to constantly updating programming skills as technology changes</li> <li>• Artistic ability may be useful for making game screens attractive</li> <li>• [Ability to understand and use the fundamentals of 3D linear algebra and visualize in 3 dimensional space</li> <li>• Strong skill in programming languages commonly used in games, such as C++</li> <li>• Understand the principles and processes of software engineering</li> </ul>	<ul style="list-style-type: none"> <li>• Design, develop and test game software</li> <li>• Update and maintain game software, and solve problems that occur during and after testing</li> <li>• Document designs of games and the structures and logic needed to implement them</li> </ul>	<p>Job titles:</p> <ul style="list-style-type: none"> <li>• Designers,</li> <li>• Artists, animators, Programmers, Database administrators, Testers,</li> <li>• Quality assurance analysts</li> <li>• Engineers and administrators</li> </ul> <p>Work locations:</p> <ul style="list-style-type: none"> <li>• Entertainment</li> <li>• Healthcare</li> <li>• Engineering</li> <li>• Forensics</li> <li>• Education</li> <li>• NASA</li> <li>• Government agencies</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRE</p> <p>Investigative  Realistic  Enterprising</p> <p>ARE</p> <p>Artistic  Realistic  Enterprising</p>	<p><i>Dean</i>  <i>Angela Bequette</i>  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p><i>Department Head</i>  <i>Cindy Foster</i>  919-866-5390  <a href="mailto:crfoster@waketech.edu">crfoster@waketech.edu</a></p>
<p><b>Surveying Technology A40380</b>  <b>A.A.S Degree</b>  74 credit hours</p> <p>Graduates will be prepared to pursue requirements to become a Registered Land Surveyor in NC</p> <p><a href="http://cet.waketech.edu/Departments/srv/default.php">http://cet.waketech.edu/Departments/srv/default.php</a></p>	<p>[Median Salary Range:  Sample Career:  Surveying Technician  ~\$33-47K</p>	<ul style="list-style-type: none"> <li>• Physically able to walk long distances and carry equipment and tolerate outdoor weather conditions</li> <li>• Able to visualize sizes, distances, objects, and abstract forms</li> <li>• An ability to be precise and accurate</li> <li>• Good teamwork and office skills</li> <li>• Abe to use relevant computer software</li> </ul>	<ul style="list-style-type: none"> <li>• Assist surveyors, who establish official land, airspace and water boundaries, with these duties by collecting data, making calculations, and helping with computer-aided drafting</li> <li>• Write reports on survey data</li> <li>• Operate surveying instruments</li> </ul>	<p>Job Titles:</p> <ul style="list-style-type: none"> <li>• Surveying technician</li> <li>• Highway surveyor</li> <li>• Mapper</li> <li>• GPS technician</li> <li>• CAD operator</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>RCS</p> <p>Realistic  Conventional  Social</p>	<p><i>Dean</i>  <i>Angela Bequette</i>  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p><i>Department Head</i>  <i>Jim Hester</i>  919-866-5337  <a href="mailto:jehester@waketech.edu">jehester@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Web Technologies A25290</b>  <i>A.A.S Degree</i>  72 credit hours</p> <p><i>Diploma:</i>  <i>Mobile Content Development (D25290)</i>  45 credit hours</p> <p><i>Certificates:</i>  <i>Web Developer (C25290A)</i>  18 credit hours</p> <p><i>E-Commerce Programming (C25290B)</i>  15 credit hours</p> <p><i>Web Designer (C25290C)</i>  18 credit hours</p> <p><i>IOS Application Developer (C25290 D)</i>  18 credit hours</p> <p><i>Android Application Designer (C25290 E)</i>  12 credit hours</p> <p><a href="http://cet.waketech.edu/Departments/web/default.php">http://cet.waketech.edu/Departments/web/default.php</a></p>	<p>Median Salary Range:  ~\$44-69K</p>	<ul style="list-style-type: none"> <li>• Strong ability to think logically and efficiently</li> <li>• Strong attention to detail</li> <li>• Good communication and teamwork skills</li> <li>• Strong problem-solving and analytical skills</li> <li>• Commitment to constantly updating programming skills as technology changes</li> <li>• Artistic ability may be useful for making web screens attractive</li> <li>• Knowledge of protocols and frameworks relevant to web applications</li> </ul>	<ul style="list-style-type: none"> <li>• Design, develop and test web software</li> <li>• Update and maintain web software, and solve problems that occur during and after testing</li> <li>• Document designs of web applications and the structures and logic needed to implement them</li> </ul>	<ul style="list-style-type: none"> <li>• Employment as designers, administrators, or developers in web applications, websites, and related areas of distributed computing over the internet.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRE</p> <p>Investigative  Realistic  Enterprising</p>	<p><i>Dean</i>  <i>Angela Bequette</i>  919-866-5394  <a href="mailto:albequette@waketech.edu">albequette@waketech.edu</a></p> <p><i>Department Head</i>  <i>Alison Consol</i>  919-866-5397  <a href="mailto:aiconsol@waketech.edu">aiconsol@waketech.edu</a></p>

# Health Sciences

<http://health.waketech.edu>

For career information only; check with academic divisions for current updates. Revised August 2011

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Dental Hygiene A45260</b>  <i>A.A.S Degree</i>                      73 credit hours</p> <p><a href="http://hsadmissions.waketech.edu/DHMar.php">http://hsadmissions.waketech.edu/DHMar.php</a></p>	<p>Median Salary                      Range:                      ~\$45-68K</p>	<ul style="list-style-type: none"> <li>• Work well with others</li> <li>• Good manual dexterity</li> <li>• Able to master appropriate math and science courses</li> <li>• Social perceptiveness</li> <li>• Teaching</li> <li>• Time Management</li> <li>• Active listening</li> </ul>	<ul style="list-style-type: none"> <li>• Remove soft and hard deposits from teeth</li> <li>• Teach patients about good dental hygiene</li> <li>• Examine teeth and gums looking for abnormalities</li> <li>• Record appropriate data</li> <li>• Use x-ray machines</li> <li>• Clean and polish teeth</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Dental Offices</li> <li>• Clinics</li> <li>• Schools</li> <li>• Public health agencies</li> <li>• Industry</li> <li>• Professional Education</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact listed</li> </ul>	<p>SAI</p> <p>Social                      Artistic                      Investigative</p>	<p>Contact:                      Health Science Admissions                      919-747-0402</p> <p><a href="mailto:healthscienceadvising@waketech.edu">healthscienceadvising@waketech.edu</a></p>
<p><b>Emergency Medical Science A45340</b>  <i>A.A.S Degree</i>                      73 credit hours</p> <p>In addition to the Associate degree there is additional training through h Continuing Education.</p> <p>Please visit the Emergency Medical Science website:  <a href="http://ems.waketech.edu">http://ems.waketech.edu</a> for information about training in related programs:                      EMT Basic,                      EMT Intermediate,                      Paramedic Upgrade)</p> <p><a href="http://hsadmissions.waketech.edu/EMSmr.php">http://hsadmissions.waketech.edu/EMSmr.php</a></p>	<p>Median Salary                      Range:                      ~\$34-48K</p>	<ul style="list-style-type: none"> <li>• Able to work quickly and make competent decisions under pressure</li> <li>• Able to follow medical protocols and guidelines</li> <li>• Knowledge of emergency medicine</li> <li>• Knowledge of medical transport equipment and procedures</li> <li>• Physically able to do considerable kneeling, bending and heavy lifting</li> </ul>	<ul style="list-style-type: none"> <li>• Provide emergency medical care</li> <li>• Occasionally treat minor injuries on the scene</li> <li>• Transport patients to medical facilities</li> <li>• Monitor vital signs during transport</li> <li>• Use emergency medical equipment such as backboards and oxygen supply systems</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Ambulance services</li> <li>• Fire and Rescue agencies</li> <li>• Air medical services</li> <li>• Hospitals</li> <li>• Urgent Care centers</li> <li>• Physician's offices.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information:  <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact listed</li> </ul>	<p>RSI</p> <p>Realistic                      Social                      Investigative</p>	<p>Contact:                      Health Science Admissions                      919-747-0402</p> <p><a href="mailto:healthscienceadvising@waketech.edu">healthscienceadvising@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Human Services Technology A45380</b>  <u>A.A.S Degree</u>  70 credit hours</p> <p><u>Certificates:</u>  Basic (C45380)  15 credit hours</p> <p>Services for the Aging (C45380B)  17 credit hours</p> <p><a href="http://humanservices.waketech.edu/">http://humanservices.waketech.edu/</a></p>	<p>Median Salary Range:  Sample Career: Human Services Assistant  ~\$33-48</p>	<ul style="list-style-type: none"> <li>• Strong desire to help others</li> <li>• Effective communication orally and in writing</li> <li>• A sense of responsibility</li> <li>• Time management skills</li> <li>• Patience and understanding</li> <li>• Social perceptiveness</li> <li>• Active listening</li> <li>• Ability to coordinate well with others</li> <li>• Good judgment and decision-making</li> </ul>	<ul style="list-style-type: none"> <li>• Investigate availability for benefits and services such as food stamps or welfare and help to obtain them</li> <li>• Provide emotional support</li> <li>• Administer food banks or emergency fuel programs</li> <li>• May work with social workers or other mental health professionals to help clients with everyday living skills</li> </ul>	<ul style="list-style-type: none"> <li>• Work locations: Institutions and agencies that provide social, community, and educational services, including mental health, child care, social services, rehabilitation, corrections, and education.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact listed</li> </ul>	<p>SCE</p> <p>Social Conventional Enterprising</p>	<p>Contact:  Health Science Admissions  919-747-0402</p> <p><a href="mailto:healthscienceadvising@waketech.edu">healthscienceadvising@waketech.edu</a></p>
<p><b>Human Services Technology: Substance Abuse A4538E</b>  <u>A.A.S Degree</u>  70 credit hours</p> <p><u>Certificates</u>  Substance Abuse (C4538E)  14 credit hours</p> <p><a href="http://humanservices.waketech.edu/index.php?page=SubstanceAbuse">http://humanservices.waketech.edu/index.php?page=SubstanceAbuse</a></p>	<p>Median Salary Range:  ~\$24-34K</p>	<ul style="list-style-type: none"> <li>• Strong desire to help others</li> <li>• Effective communication orally and in writing</li> <li>• A sense of responsibility</li> <li>• Time management skills</li> <li>• Patience and understanding<sup>2</sup></li> <li>• Social perceptiveness</li> <li>• Active listening</li> <li>• Ability to coordinate well with others</li> <li>• Good judgment and decision-making</li> </ul>	<ul style="list-style-type: none"> <li>• Counsel people involved with substance abuse or other addictions</li> <li>• Counsel family members of people struggling with addiction</li> <li>• Conduct programs aimed at preventing addiction</li> </ul>	<p>Job titles:</p> <ul style="list-style-type: none"> <li>• Substance abuse counselors</li> <li>• DUI counselors</li> <li>• Halfway house workers</li> <li>• Residential facility employees</li> <li>• Substance education specialists.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>SEA</p> <p>Social Enterprising Artistic</p>	<p>Contact:  Health Science Admissions  919-747-0402</p> <p><a href="mailto:healthscienceadvising@waketech.edu">healthscienceadvising@waketech.edu</a></p>
<p><b>Medical Assisting A45400</b>  <u>A.A.S Degree</u>  71 credit hours</p> <p><u>Diploma</u> (D45400)  44 credit hours</p> <p><a href="http://medicalassisting.waketech.edu/">http://medicalassisting.waketech.edu/</a></p>	<p>Median Salary Range:  ~\$21-36K</p>	<ul style="list-style-type: none"> <li>• Courteous, pleasant manner, neat and well-groomed</li> <li>• Manual dexterity</li> <li>• Visual acuity</li> <li>• Teaching ability</li> <li>• Able to follow medical and ethical guidelines</li> <li>• Office skills</li> <li>• Knowledge of such medical procedures as sterilization techniques and basic laboratory tests</li> <li>• Able to perform tasks such as drawing blood</li> </ul>	<ul style="list-style-type: none"> <li>• Perform administrative and clinical tasks to keep the offices of physicians running smoothly</li> <li>• Take medical histories and record vital signs</li> <li>• Prepare patients for exams</li> <li>• Sterilize medical equipment</li> <li>• Instruct patients about medications and special diets</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Physician's offices</li> <li>• Health maintenance organizations</li> <li>• Clinics</li> <li>• Hospitals</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>SCR</p> <p>Social Conventional Realistic</p>	<p>Contact:  Health Science Admissions  919-747-0402</p> <p><a href="mailto:healthscienceadvising@waketech.edu">healthscienceadvising@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<p><b>Medical Laboratory Technology A45420</b>  <u>A.A.S Degree</u>  75 credit hours</p> <p><a href="http://mlt.waketech.edu/">http://mlt.waketech.edu/</a></p>	<p>Median Salary Range:  ~\$32-45K</p>	<ul style="list-style-type: none"> <li>• Ability to use, clean and maintain medical laboratory equipment</li> <li>• Time management skills</li> <li>• Attention to detail</li> <li>• Good communication skills</li> <li>• Able to process, organize, and evaluate information</li> <li>• Able to use relevant software</li> </ul>	<ul style="list-style-type: none"> <li>• Examine and analyze body fluids and cells</li> <li>• Search for organisms and chemical content in body fluids and cells</li> <li>• Perform chemical tests</li> <li>• Develop, modify, and evaluate laboratory procedures</li> <li>• Record and communicate results</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Laboratories in hospitals</li> <li>• Medical offices, Industry</li> <li>• Research facilities.</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRE</p> <p>Investigative  Realistic  Enterprising</p>	<p>Contact:  Health Science Admissions  919-747-0402</p> <p><a href="mailto:healthscienceadvising@waketech.edu">healthscienceadvising@waketech.edu</a></p>
<p><b>Nursing A45110</b>  <u>A.A.S Degree</u>  75 credit hours</p> <p><a href="http://hsadmissions.waketech.edu/NURmar.php">http://hsadmissions.waketech.edu/NURmar.php</a></p>	<p>Median Salary Range:  ~\$43-63K</p>	<ul style="list-style-type: none"> <li>• Communicate effectively orally and in writing</li> <li>• Attention to detail</li> <li>• Critical thinking skills</li> <li>• A desire to help others</li> <li>• Teamwork skills</li> <li>• Awareness of others' feelings</li> <li>• Able to take specimens and record data</li> <li>• Able to use relevant software</li> <li>• Able to organize, plan, note differences, and evaluate</li> </ul>	<ul style="list-style-type: none"> <li>• Administer treatment and medications</li> <li>• Educate patients and others about medical conditions</li> <li>• Document patients' medical history and symptoms</li> <li>• Assist with diagnostic tests and operate machinery</li> <li>• Assist with patient follow-up and rehabilitation</li> </ul>	<p>Work locations</p> <ul style="list-style-type: none"> <li>• Physicians Offices</li> <li>• Home health care services</li> <li>• Outpatient medical centers</li> <li>• Hospitals</li> <li>• Nursing homes</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>SIA</p> <p>Social  Investigative  Artistic</p>	<p>Contact:  Health Science Admissions  919-747-0402</p> <p><a href="mailto:healthscienceadvising@waketech.edu">healthscienceadvising@waketech.edu</a></p>
<p><b>Pharmacy Technology A45580</b>  <u>AAS Degree</u>  71 credit hours</p> <p>Diploma (D45580)  43 credit hours</p> <p><a href="http://pharmacytech.waketech.edu">http://pharmacytech.waketech.edu</a></p>	<p>Median Salary Range:  ~19- 33K</p>	<ul style="list-style-type: none"> <li>• Strong customer service and teamwork skills</li> <li>• [Manage inventories,</li> <li>• Count tablets,</li> <li>• Measure dosages,</li> <li>• Use computers</li> <li>• A background in chemistry, English, and health education may be beneficial</li> </ul>	<ul style="list-style-type: none"> <li>• Pharmacy technicians assist Licensed Pharmacists and provide medication and other health care products to patients.</li> </ul> <p>Performs routine tasks such as counting tablets and labeling bottles.</p> <ul style="list-style-type: none"> <li>• Answer phones, stock shelves, and operating cash registers</li> </ul>	<p>Work locations:</p> <ul style="list-style-type: none"> <li>• Retail</li> <li>• Mail order pharmacies</li> <li>• Hospitals</li> <li>• Nursing homes</li> <li>• Assisted living facilities</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	<p>IRE</p> <p>Investigate  Realistic  Enterprising</p>	<p>Contact:  Health Science Admissions  919-747-0402</p> <p><a href="mailto:healthscienceadvising@waketech.edu">healthscienceadvising@waketech.edu</a></p>

PROGRAM	SALARY INFO	SKILLS & INTERESTS NEEDED	JOB DUTIES	WORK DETAILS	COLLEGE TRANSFER OPTIONS	HOLLAND CODE	CONTACT PERSON(S)
<b>Radiography A45700</b> <i>A.A.S Degree</i> <i>73 credit hours</i>  <a href="http://radiography.waketech.edu/">http://radiography.waketech.edu/</a>	Median Salary Range: ~\$31-54K	<ul style="list-style-type: none"> <li>• Physical stamina</li> <li>• Attention to detail</li> <li>• Social perceptiveness</li> <li>• Able to follow instructions</li> <li>• Good teamwork skills</li> <li>• Mechanical ability for operating machines</li> <li>• Manual dexterity</li> <li>• Able to master the science of a radiology program</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare patients for radiographic examination</li> <li>• Position body parts so that they may be properly filmed</li> <li>• Place film under machine, set machine controls to proper density, detail, and contrast, and take picture</li> <li>• Remove film and develop it</li> <li>• Direct patient care</li> </ul>	Work locations: <ul style="list-style-type: none"> <li>• Hospitals</li> <li>• Physician's offices</li> <li>• Medical laboratories</li> </ul>	<ul style="list-style-type: none"> <li>• Please visit our website for additional information: <a href="http://choices.waketech.edu">http://choices.waketech.edu</a></li> <li>• Or, please seek information from the contact person listed</li> </ul>	SRI  Social Realistic Investigative	<i>Contact:</i> <i>Health Science Admissions</i> <i>919-747-0402</i>  <a href="mailto:healthscienceadvising@waketech.edu">healthscienceadvising@waketech.edu</a>

The Health Sciences Division at Wake Technical Community College has many other diploma and certificate programs.

Computer Tomography (CT) C45200

Dental Assisting D45240

Magnetic Resonance Imaging Technology D45800

Phlebotomy C45600

Surgical Technology D45740

Therapeutic Massage D45750

For additional information, Please see the Health Science Career Booklet. <http://health.waketech.edu>

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\* **Basic** Law Enforcement Training (BLET) C55120 is offered only as a Certificate Program

# Career Codes

You can use your Career Code to explore careers and college majors that fit well with your personality strengths, occupational “types”, potential college majors, and future career fields. The higher the compatibility, the higher the chances are for career satisfaction. This tool, based on John Holland’s career theory, is intended to help you match your personality with a career. Seek professional assistance from a counselor in the Admissions and Counseling Department to verify your results or to take additional career assessments.

Make a check mark by each statement that describes you. Then, add up the total number of checks in each box and write the number next to the corresponding letter. Indicate your highest three scores at the bottom of the page to learn your Career Code.

<input type="checkbox"/> I am a nature lover <input type="checkbox"/> I like to use my hands <input type="checkbox"/> I like to work on my own <input type="checkbox"/> I like to fix things <input type="checkbox"/> I am a practical person <input type="checkbox"/> I consider myself athletic or like to exercise	<p style="text-align: center;">R = _____</p>	<p>You have athletic or mechanical ability and prefer to work with objects, machines, tools, plants, or animals. You often like to find answers to problems by doing hands-on work instead of talking about solutions. Occupations you would enjoy include: heavy equipment mechanic, welder, engineer, landscape gardener, pharmacy technician, photo technician, truck driver, nuclear medicine technologist, police officer, and machinist.</p>
<input type="checkbox"/> I like math and science <input type="checkbox"/> I like to use computers <input type="checkbox"/> I am curious about everything <input type="checkbox"/> I like to find out what makes things “tick” <input type="checkbox"/> I like reading and doing crossword puzzles <input type="checkbox"/> I like to solve technical problems	<p style="text-align: center;">I = _____</p>	<p>When you have a problem, you are likely to analyze it and look at different ways to solve it using math or science. You may prefer to work by yourself. Occupations you would enjoy include: biologist, dentist, civil engineer, computer programmer, crime laboratory analyst, nurse, horticulturist, pharmacist, physician, physician assistant, and software engineer.</p>
<input type="checkbox"/> I am creative <input type="checkbox"/> I like to draw or paint <input type="checkbox"/> I like to read fiction, plays, and poetry <input type="checkbox"/> I enjoy singing, dancing, or acting <input type="checkbox"/> I can play a musical instrument <input type="checkbox"/> I often have a lot of creative ideas	<p style="text-align: center;">A = _____</p>	<p>You may enjoy things like art, music, and books and are likely to express your feelings easily. You often prefer to work in unstructured settings using your imagination and creativity. Occupations you would enjoy include: advertising art director, landscape architect, copywriter, art/drama/music teacher, graphic designer, architect, photographer, editor, and reporter.</p>
<input type="checkbox"/> I like helping people with problems <input type="checkbox"/> I am very friendly <input type="checkbox"/> I am an understanding and sympathetic <input type="checkbox"/> I like to teach others how to do things <input type="checkbox"/> I work well with other people <input type="checkbox"/> I like to care for sick people	<p style="text-align: center;">S = _____</p>	<p>You may like to work with people to enlighten, inform, train, or cure them. Socializing may or may not be fun for you, but you find reward in life through helping others. Occupations you would enjoy include: city manager/public manager, professor, high school teacher, librarian, phlebotomist, detective/investigator, nurse, paralegal, security guard, cosmetologist, physical therapist, social worker, and school counselor.</p>
<input type="checkbox"/> I like to lead and persuade people <input type="checkbox"/> I like taking risks and engaging in new adventures <input type="checkbox"/> I enjoy selling products, services, or ideas <input type="checkbox"/> I like competitive events or challenges <input type="checkbox"/> I like having power and leadership <input type="checkbox"/> I am popular and have lots of friends	<p style="text-align: center;">E = _____</p>	<p>You may like to influence or persuade people and lead or manage within an organization to achieve goals or economic gain. Occupations you would enjoy include: auto sales representative, buyer, credit manager, business owner, flight attendant, landscape contractor, supervisor/manager, private investigator, insurance agent, lobbyist, real estate agent, claim adjuster, and stockbroker.</p>
<input type="checkbox"/> I am very organized and neat <input type="checkbox"/> I like following rules and instructions <input type="checkbox"/> I enjoy working with numbers and data <input type="checkbox"/> I am practical and consider all costs when buying something <input type="checkbox"/> I like using the computer for word processing or data entry. <input type="checkbox"/> I like details and am accurate with numbers, data, and information	<p style="text-align: center;">C = _____</p>	<p>You may have clerical or numerical abilities and like to work with data, carry out tasks in detail, or follow through on others’ instructions. Keeping things organized is usually important to you. Occupations you would enjoy include: medical record clerk, accountant, bank teller, building inspector, title examiner, computer operator, payroll clerk, medical record technician, medical/legal secretary, librarian, and auditor.</p>

**Your Career Code:**

\_\_\_\_\_ Highest total

\_\_\_\_\_ Second highest total or tie

\_\_\_\_\_ Third highest total or tie



# Counseling Services Department

## Academic Success Counseling

**Are you experiencing problems with...**

- Goal Setting?
- Balancing College, Work, and Family?
- Resolving Conflict?
- Managing Time for Success?
- Managing Stress?
- Coping with Test Anxiety?
- Effective Studying and Test Taking?
- Repairing Your GPA?
- Finding Needed Support as an Older
- Returning Student?

Counselors are available to work with you **individually** on achieving your academic goals.

## Career Coaching

- ◆ Do you need help deciding your major?
- ◆ Do you want to know which occupations are in demand?
- ◆ Have you decided your major but need to explore job options?
- ◆ Are you in a major but feel it doesn't suit you?

**Want answers? Contact the Career Center for:**

- The assistance of professional career counselors
- Resources for discovering one's interests and values
- A library of job and career reference materials
- College and university information

## Personal Development and Referral Services

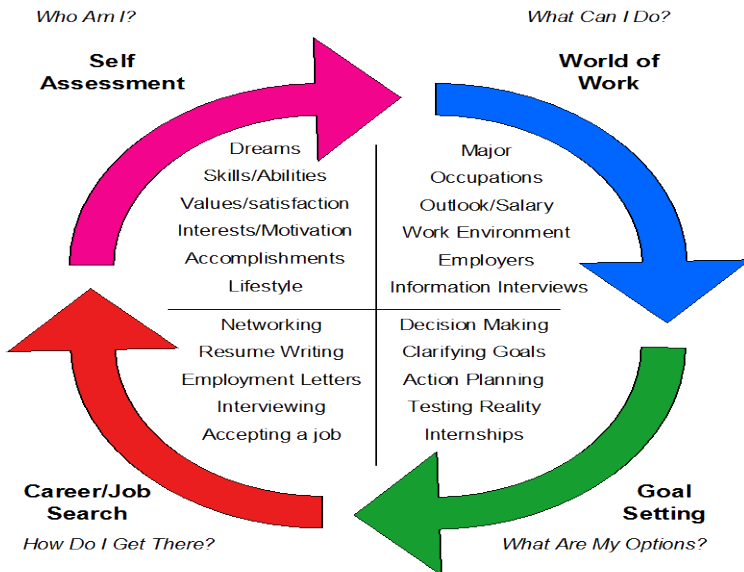
**Are you having problems that interfere with your academic and personal growth?**

**Counselors are available to assist you with the following:**

- Becoming motivated
- Loss of a close relationship
- Building relationships
- Feeling frustrated, overwhelmed
- Adjustment concerns
- Crying
- Relating with peers
- Stress
- Difficulties with family
- Coping with academic pressures and problems

*Referrals may be made to outside agencies as needed.*

### Career Planning & Placement Model



- Step 1: Self-Assessment
- Step 2: Choosing Majors
- Step 3: Reviewing Occupations
- Step 4: Setting Goals
- Step 5: Improving Your Chances through internships, networking, informational interviews, and student employment
- Step 6: Resume Writing
- Step 7: Job Search
- Step 8: Interviewing
- Step 9: Accepting a Job – Negotiating Terms

Contact Us:  
<http://counseling.waketech.edu>  
 919-866-5460

**Career Development is a PROCESS!**

# Steps in the Admissions and Enrollment Process

Individuals wishing to enroll in a curriculum program leading to a degree, diploma, certificate or who are pursuing college/university transfer credit must complete the entire application process as follows:

**1.) Submit a completed admissions form by any one of the following methods:**

**Mail to:** Wake Tech Admissions Records  
9101 Fayetteville Road  
Raleigh, NC 27603

<b>In person to:</b>	Main Campus	Health Sciences Campus	Northern Wake Campus	Western Wake Campus
	Student Services Building, Room 121	Student Services Center	Administrative Building	Millpond Village
	9101 Fayetteville Road	2901 Holston Lane	6600 Louisburg Road	3434 Kildaire Farm Road
	Raleigh, NC 27603	Raleigh, NC 27610	Raleigh, NC 27616	Cary, NC 27518
	919-866-5500	919-747-0402	919-532-5574	919-335-1000

**Fax to:** 919-661-0117

**Online to:** <http://admissions.waketech.edu>

**2.) Have official copies of high school transcripts (and college, if any) mailed to Wake Tech.**

High school transcript with graduation date must be on file by the end of the first semester unless you have earned an associate's degree or higher from an accredited institution.

**3.) Have SAT or ACT scores sent to Wake Tech (if taken).** Acceptable SAT or ACT scores may waive placement testing.

**4.) Take placement tests** if you have not passed college level English and mathematics with a "C" or better. To schedule testing, call 919-866-5401 or go to <http://testingcenter.waketech.edu>.

**5.) Apply for financial aid, scholarship or veterans benefits** if interested.

If applying for financial aid, first complete the Free Application for Federal Student Financial Aid, available at all campuses and online at <http://financialaid.waketech.edu> or [www.fafsa.ed.gov](http://www.fafsa.ed.gov).