Which CAREER Fits You?

page 9

Manufacturing Technology Graduates in High Demand

page 4
The world out there starts here.

Division of Arts & Sciences
- Biotechnology *
- College Transfer
- Criminal Justice
- Developmental Studies
- Early Childhood Education
- Engineering
- English/Humanities
- General Education
- Human Services Technology
- Lateral Entry Teaching
- Mathematics
- Science
- Social Sciences

Division of Business & Technologies
- Accounting
- Auto Body Repair
- Automotive Mechanics
- Business Administration
- Computer Studies
- Cosmetology
- Electric Lineman Technology *
- Electrical/Electronics Technology
- Esthetics Technology
- Facility Maintenance
- Funeral Services *
- Industrial Systems
- Manufacturing Technology
- Mechanical Drafting Technology
- Office Systems Technology
- Plastics Technology

Division of Health Sciences
- Dental Assisting *
- Dental Hygiene *
- Health Information Technology
- Healthcare Management Technology *
- Imaging Technology
- Interventional Cardiac and Vascular Technology *
- Medical Assisting
- Medical Office Administration
- Medical Transcription
- Nursing
- Radiography
- Respiratory Care
- Surgical Technology

*Collaborative program with another N.C. community college

How to apply
- Complete an ECC application (you’ll find one in the back of this publication) and submit it to Student Services on the Rocky Mount or Tarboro campus or apply online at www.edgecombe.edu.
- Submit an official high school transcript or GED scores. Submit Official Transcript(s) of any colleges(s) previously attended.
- Complete placement tests if needed.
- Contact Student Services for a personal interview with a counselor.
- Students applying to ECC may also be asked to complete a separate residency status application if deemed necessary by college officials.
- Call 823-5166 if you have questions.
Your Community College: A Field Guide to ECC

Financial Aid Don’ts

Traditional Program Infused with Online Delivery

Jump Start Your Degree Through High School Academy

Training for Industry Focuses on Customization

New Engineering Program Launched with NCSU and ECU

Where Are All the Girls?

ECC Provides Specialized Training in Industrial Systems

Edgecombe Community College A to Z

Application for Admission

On the cover

Graduates of ECC’s programs in industrial and technical trades are highly sought by local industries such as KCST in Tarboro. From left are ECC alumni and KCST employees Michael Daniels, maintenance associate; Jonathan Fecho, technical support staff; John Batts, maintenance team leader; and David Harrelson, specifications and documentation coordinator.
Of course you already know all about Edgecombe Community College. It’s where your brother took a class, your neighbor earned a degree, and your cousin with the Ph.D. started her college education. That’s the great thing about ECC – we’re adaptable and accessible to all kinds of people at different stages in their lives.

But there’s more you probably don’t know. Sure, ECC has been around for nearly 40 years, but, like you, we’ve changed. We used to be in one building, a former prison, in Tarboro. Now we have eight buildings on the Tarboro campus and two in Rocky Mount. We’re also keeping up with the times by introducing innovative new program choices. Coming in fall 2006 are:

**NEW DEGREES**
- Associate in General Education
- Associate in Science/Pre-Engineering
- Interventional Cardiac and Vascular Technology
- Medical Office Administration

**NEW CERTIFICATES**
- Esthetics/Technology
- Lateral Entry for Teachers

You want flexible? We’ve got it.

Did you know that 64 percent of our students are part-time students? Proving that even if you have a job, kids, and a life, you still can get an education.

ECC offers plenty of afternoon and evening classes every fall and spring. Or, if you’re a morning person, try our classes that begin at 8 a.m.

ECC has many options for busy people. Some classes are offered online to give students flexibility of scheduling at their convenience. If online is not for you, maybe a hybrid class would suit you better. Hybrid courses combine online and classroom instruction. These courses also provide students more flexibility by requiring fewer hours in the classroom.

ECC certificates and diplomas make job skills the first priority. Most certificates require from three to five classes, and you can build on these later if you want to earn an associate’s degree. Many graduates have found that by adding a diploma to an associate’s degree or bachelor’s degree, they end up with the kind of specialized credential that can lead to a new job, advancement, or better pay.

When you have questions, we have answers.

Have you seen our Web site lately? You can apply for admission, view the course schedule, request information, check ECC news, and make an appointment with an adviser. Isn’t technology awesome? Drop by at www.edgecombe.edu.

When your questions are too complicated for a quick answer,
ECC’s counseling and advising staff is available to help you sort out the details. Whether you need help choosing classes or choosing a career, whether it’s a family issue, a personal issue, or a financial issue standing between you and your education, ECC counseling staff can help you find solutions.

At ECC, everybody knows your name – most classes have fewer than 15 students. So instructors have time to get to know everyone and students get the personalized attention they deserve. Instructors are always willing to help.

We can help with the hurdles (after all, “community” is our middle name).

Need money? Financial aid is available. During the 2005-2006 school year, 54 percent of ECC students received financial aid.

No high school diploma? Never fear. Don’t let your past stand in the way of your future. ECC’s Basic Skills Department can help you prepare for the GED and get you on the way to college classes, too. You also can prepare for the GED exam at home. Since fall 2005, the college has offered a GED program through the Internet. Contact the Basic Skills Department at 823-5166 for more information about obtaining a GED.

Transfer to a 4-year school.
Earn credit that counts. The associate in arts and associate in science degree programs at ECC are college transfer programs that parallel the freshman and sophomore years of a four-year college or university. During the first two years of college, students pursue a program of general education coursework that enables them to gain a well-rounded education before going on to four-year institutions where they will take courses in their major disciplines to complete baccalaureate degrees.

In addition, ECC has what we call a “comprehensive articulation agreement” with the University of North Carolina System. It applies to all N.C. community colleges and all constituent institutions of UNC. Students who complete the associate in arts or the associate in science degree at ECC will be able to transfer to UNC schools with junior status. However, admission into a UNC school is not guaranteed; students still have to go through the UNC admission process.

ECC also has formal transfer agreements with many private four-year colleges and universities in the state. These agreements list programs and courses which are accepted for transfer.

For information about transfer to a specific college or university, contact Monika Fleming, college transfer coordinator, at 823-5166, ext. 241, or flemingm@edgecombe.edu.

Oh, did we mention our low tuition? $39.50 per semester hour plus $2.75 in fees. Bottom line? A maximum of $634.75 in tuition and fees per semester. Compare this to East Carolina University, for example. At ECU, you’ll pay $1,813.50 per semester in tuition and fees. ECC – what a deal!

Who are our students?

Fall 2005 enrollment 2,402
Spring 2006 enrollment 2,376
Edgecombe County students 63%
Out-of-county students 36%
Out-of-state students 1%
Average age 29
Female 76%
Male 24%
Part-time students 64%
Employed while enrolled 49%
Students receiving financial aid 54%

For more information:

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An ECC education pays

- 10,654 credit and non-credit students attended ECC in 2004-2005
- 62% were employed full time or part time
- 90% remain in area initially following ECC education
- Average ECC student will spend 35 years in workforce
- An individual with a 2-year degree will earn $168,598 more in lifetime earnings than someone with a high school diploma
- ECC students enjoy an 18% rate of return on their ECC educational investment
- ECC students recover all costs of attending, including foregone wages, in 7.8 years

Prepared by CC Benefits
January 2005
David Harrelson’s life has been a lot more enjoyable in the seven years since he earned a manufacturing technology degree at Edgecombe Community College.

While he was employed as a line operator at a local industry, getting dirty and working weekends was common. Now, as a specifications and documentation coordinator at Keihin Carolina System Technology in Tarboro, Harrelson spends most of his time at a desk and has worked only one weekend in the past six years.

“I had a hard-labor job,” he says. “Now I get challenged more mentally than physically.”

ECC’s manufacturing technology program began in 1994, when the college hosted representatives from 25 “flagship companies” in eastern North Carolina, says Dr. Stan Garren, dean of the Division of Business and Technologies. Some of the participating companies were Superior Essex in Tarboro, ABB in Pinetops, and Consolidated Diesel Co. and Abbott Laboratories (now known as Hospira) in Rocky Mount.

The purpose of the meeting was to determine those companies’ vision of an ideal automation technician. “It was almost a unanimous consensus that they wanted a person who understood how all of the autonomous parts that exist on the plant floor come together,” Garren says.

Taking suggestions from the companies, the college formed the degree program in manufacturing technology. Major courses include robotics, CAD/CAM, electronics, instrumentation, networking, quality, safety, and management.

“What we’re trying to do is give people the skills to work anywhere in North Carolina. We try to develop a person who can fit in with a progressive company anywhere.”

To prepare for many of the challenges that arise on a plant floor, students can take advantage of the college’s computer integrated manufacturing lab. The lab includes an automated conveyor system that integrates robotic systems, CNC machines, quality instrumentation, and PC and PLC controllers.

With the resources in the Tarboro campus lab, students help produce a product from beginning to end. “We try to duplicate what they will see in a production setting in a real industry,” Garren says.

Job prospects are good for manufacturing technology graduates. “It is not unusual to have somebody hired before they graduate,” he explains. “Every spring, human resources managers are calling to see who is graduating from this program.”

Salary prospects are good as well. Garren says a typical starting salary for a manufacturing technology graduate is $19 an hour, leading to $60,000 annual salaries.

“There’s money to be had in manufacturing. A lot of the industries are going in on the high end of the pay scale,” he explains. “That’s the kind of career a person deserves if they complete this program.” But ideally, he adds, a manufacturing technology graduate will pursue a bachelor’s degree, such as the bachelor of science in industrial technology at East Carolina University.

Most manufacturing technology graduates stay in the area. Of the major industries in eastern North Carolina, Keihin Carolina System Technology is “scaring them up quicker than any other,” he says.

One of those graduates is David Harrelson, a Tarboro resident who has worked at KCST since June 2000. He earned his first ECC degree in manufacturing technology and electrical/electronics from ECC. He says the specialized training in electrical/electronics strengthened his skills. “The additional training really helped me in knowing my way around a manufacturing facility.”

David Harrelson, specifications and documentation coordinator at KCST in Tarboro, holds degrees in manufacturing technology and electrical/electronics from ECC. He says the specialized training in electrical/electronics strengthened his skills. “The additional training really helped me in knowing my way around a manufacturing facility.”

From left, manufacturing technology students Donelle Sherrod, James Pittman, and Rondy Bryant learn to operate machinery used for many different manufacturing processes. Sherrod is at the controls of a SCARA robot, a machine used in assembly line processes. Pittman and Bryant are using a Computer Numerical Control vertical mill.

by Charles Kinnin
Harrelson, who later obtained a degree in electrical/electronics technology from ECC, says the manufacturing technology program adequately prepared him for his job. “It is a very good overall manufacturing degree. You see some of everything that is inside a manufacturing environment. Also, you have an opportunity to grow in a company in almost any department you choose.”

Though the knowledge is diverse in the manufacturing technology program, the student body isn’t. Garren says he can count the number of female students on one hand. The program is trying to improve that statistic. “We are working hard to encourage girls and women to fully appreciate the opportunities in manufacturing.”

Also, the program’s students range in age from late 20s to 50s. One goal is to enroll more students directly out of high school. “High school students are not as receptive to manufacturing because they hear about shutdowns and layoffs and jobs going overseas. It’s a nationwide issue,” Garren says.

Eastern North Carolina – and Edgecombe County in particular – has felt the sting of manufacturing layoffs. The area is still recovering from the closing of five major plants in Tarboro in the mid-1990s; hundreds lost their jobs.

“If there is a change and if your plant moves out of the area, you will be a very marketable person if you have a degree in manufacturing technology,” Garren assures. “You won’t find yourself out of a job.”

Online courses make program more convenient

by Charles Kinnin

Full-time workers who want to pursue an associate degree in manufacturing technology may benefit from ECC’s Internet offerings.

Most students pursuing a manufacturing technology degree work full time and attend school part time. Currently, the program offers more than 30 percent of its program online.

“We’ve been very innovative in providing Internet courses,” says Dr. Stan Garren, dean of the Division of Business and Technologies. “It has allowed us to be flexible in our scheduling to accommodate students’ work schedules.”

The program has access to 248 video-based online courses, which can be offered individually or combined to make a single course.

The program also offers hybrid classes, which combine video instruction with shop and laboratory instruction. These classes have particularly helped students who change work shifts during the semester and those who travel for their jobs.

The online video streaming has allowed students to take the lecture portion of courses off campus; they come to campus only to do the hands-on component. “It’s not unusual for someone to call us and tell us, ‘I have to be in Japan,’” Garren says. “Our online program is designed to handle these issues and challenges.”

Due to lab requirements, manufacturing technology students have to spend some time on campus. But Internet offerings have helped the program retain part-time and full-time students, some for as long as seven years with active progress toward a degree.

“They seem to stick with us and not drop out,” Garren says. “They’re on a long-term, part-time plan while they work, and we try to accommodate them.”

Garren says the goal of the manufacturing technology program is to offer additional courses online. That way a full-time worker can take one course on campus and one or two courses online each semester.

“This would work to our students’ advantage,” he says. “They could have a substantial course load without being required to be on campus all the time. This would be a great benefit to students with demanding full-time jobs, especially those who work shifts that change regularly.”

Plastics program offers unique training

A unique program in plastics technology among six area community colleges is a creative response to local labor needs.

Launched in 2002, plastics technology is offered as a concentration in the manufacturing technology degree program. Plastics training is offered in conjunction with the Eastern North Carolina Plastics Technology Center (ENCPTC) in Zebulon. ENCPTC is a consortium of Edgecombe, Johnston, Nash, Wake Tech, Wayne, and Wilson Tech community colleges.

As Program Coordinator Doug Parrish explains, “There wasn’t enough of a need for plastics manufacturing in any one these community colleges to warrant a single institution building a facility on its own. So the colleges and advisory board pooled their resources and came up with what we think is a great solution.”

The plastics technology curriculum provides training in all aspects of the polymer processing industry, one of the fastest growing engineering technologies in the state. A number of local plants have plastics processing, such as General Foam Plastics, Nomaco Inc., Murdock Webbing Company, Keihin Carolina System Technology, and Tyco.

Students take the first year of general education classes at their home community college. Second-year plastics courses are taught at the ENCPTC. Scholarships are available, up to $1,000 per semester.

Call Doug Parrish at 823-5166, ext. 189, or email parrishd@edgecombe.edu to learn more about plastics technology.
utobody repair and automotive systems technology programs are revving up at Edgecombe Community College.

Both industries have more jobs available than skilled workers to fill them, so employment opportunities are plentiful.

“The field of autobody is especially hot right now,” says Bud Speight, autobody program coordinator. “In 2004, there were 50,000 entry-level positions nationwide that were related to autobody, but only 20,000 of those positions were filled.”

The automotive systems industry is experiencing a similar glut in job openings. “We’ve had several calls recently from shops looking for technicians, and you’ll see positions advertised every Sunday in Rocky Mount, Tarboro, and Greenville newspapers,” says Al Carroll, automotive systems program coordinator.

Autobody and automotive systems technology programs at ECC include high school students, retirees, and all ages in between. Many are working toward a diploma, while others are taking a course or two to work on their own cars.

Each program offers a one-year diploma, and both program coordinators hope to add new certificate options in the fall 2006 semester. Certificates are short-term programs that offer specialized training.

“Our hope is that high school students, who typically take one or two courses with us, will enroll in our program following graduation,” Speight says. “High school students are testing the waters.” Eighteen high school students took an autobody course in spring 2006, and eight high school students were enrolled in an automotive systems class.

ECC’s autobody classes are at capacity, and the college hopes to
Job growth in the field of automotive technology in North Carolina is expected to far outpace the average in the United States.

hire another instructor to keep pace with demand. The tuner car industry is key to much of the field’s surge in interest, Speight explains.

Tuner cars have been modified to enhance speed, power, or style. They are especially appealing to a younger population. “Younger kids want cool paint jobs,” he says. Students work primarily on their own cars. “It keeps them motivated. I tell them, ‘Do it right the first time or don’t do it at all.’ There isn’t a high profit margin in the autobody industry, so if they don’t get it right the first time they’re likely to lose money.”

Tim Hollifield, manager of the body shop at Premier Ford in Rocky Mount, says the autobody program gave him a “good technical background. I learned the proper way to do repairs and how to do a safe repair, for example.” He became interested in autobody repair when he took a class at ECC as a student at SouthWest Edgecombe High School. That course, which he says he took “to get away from high school,” launched his career. After completing ECC’s autobody program 10 years ago, he joined Premier Ford.

The college’s automotive systems program is on the rise. Job growth in the field of automotive technology in North Carolina is expected to far outpace the average in the United States. With advances in electronics and computers in all vehicles, today’s automotive technician jobs are high-tech. The college is responding with high-tech solutions.

For example, equipment upgrades are being made to enhance teaching and learning. “In both fields, having a broad base of knowledge and keeping abreast of new technologies are key,” Carroll says. “Automotive technicians need to know electrical systems, plumbing, welding, HVAC, and transmission systems, for example,” Carroll says.

In the field of autobody, artistic talent is a big plus. “Painters have to have a good rhythm, and artistry is definitely a factor in reshaping a piece of metal,” according to Speight.

Earning potential can be high. “Body technicians can do very well. In this area, however, typical entry-level salaries are in the $25,000 range, and the average annual salary for a trained, experienced technician is about $40,000.”

Carroll, too, says automotive technicians can earn a high wage. “An experienced technician who specializes in engine performance or electrical/electronic diagnostics, for example, might make $60,000 a year. A more typical salary for an experienced technician would be about $35,000, and an entry level salary would be in the low 20s.”

Graduates of the automotive curriculum should be prepared to take the Automotive Service Excellence certification exam. It is the only certification available to automotive technicians, and they are required to have two years of experience before they can take the exam. “You don’t have to have an ASE certificate to work at an auto repair shop, but it helps. Usually dealerships require it and offer incentives to certified technicians,” Carroll adds.

From left, students Chris Pearson, Ray Hines, and Detric Edwards sand a car in an autobody repair class. They are preparing the surface for painting, which will be done in the spray booth located on the Tarboro campus.

Edgecombe Community College Academic Calendar

Fall 2006 – Spring 2007

Fall Semester 2006

July 10-13 ............................................ Final Fall Registration
July 17-20 ............................................. Fall Registration
August 16 & 17 ..................................... Final Fall Registration
August 18 ............................................. Classes Begin
September 4 ......................................... Labor Day Holiday
September 5 ......................................... Classes Resume
October 9 & 10 ....................................... Fall Break
October 11 ............................................. Classes Resume
November 22-24 .................................... Thanksgiving Holidays
November 27 ......................................... Classes Resume
November 27-30 ..................................... Spring Registration
December 4-8 ........................................ Spring Registration
December 15 .......................................... End of Fall Semester

Spring Semester 2007

January 3 & 4 ........................................ Final Spring Registration
January 5 ............................................. Classes Begin
January 15 ........................................... Martin Luther King Jr. Holiday
January 16 ........................................... Classes Resume
April 6-13 ........................................... Easter Holidays
April 16 .............................................. Classes Resume
April 16-20 ........................................... Summer Registration
April 23-27 ........................................... Summer Registration
May 7 .................................................. Spring Semester Ends

For more information:

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Automotive Systems Technology
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Joe Sexton of Tarboro was laid off from Glenoit when the plant moved to China about a year ago. He had been with Glenoit for nine years. At ECC, Sexton is working toward a diploma in automotive systems. He began the program last August. “I’ve always been interested in machinery, and I’m learning a lot,” he says. His ultimate goal is to achieve ASE certification and work in the industry. CF
Students who like to work with their hands may find their niche in the facility maintenance worker program.

The curriculum prepares students to maintain and repair physical structures and systems of commercial and industrial establishments.

The program was created in response to local needs in the aftermath of Hurricane Floyd in 1999. Courses include basic wiring, carpentry, masonry, plumbing, and heating and cooling systems. The program has helped to provide the know-how and manpower that was needed to rebuild Edgecombe County.

The diploma program in facility maintenance requires 38 credit hours; the certificate, 12 credit hours.

According to Ken Lewis, program coordinator, a facility maintenance graduate is able to work in a variety of settings, including hospitals, hotels, and large plants. An individual who takes care of a facility needs to have a broad base of knowledge, from air conditioning to plumbing to electrical systems.

"When people are laid off, my job is to get them back to work."

"Everything you work on is different. What I like about facility maintenance is that when you come to work, you won’t know what you’ll be doing," Lewis says. "It’s different every day."

Although Introduction to Refrigeration is an elective, Lewis requires that students take it. Concepts covered include electrical and mechanical systems, pneumatics, and basic welding.

"I think students receive more overall experience in that class. When students take a plumbing class, it’s strictly plumbing," Lewis says. "When they take a refrigeration course, it helps me see their strengths and weaknesses and how they apply themselves."

The demand for facility maintenance workers is high, which can be a double-edged sword for the college. Many students are hired while they are enrolled in the program, and they subsequently leave ECC.

"Eighty percent of our students, once they get a job, they go to work," Lewis says. "When people are laid off, my job is get them back to work."

For more information:
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High school student Blake Marlowe paints a window. He and other students made renovations to an old storage building on the Tarboro campus as part of a facility maintenance class for high school students in the spring 2006 semester. Marlowe attends SouthWest Edgecombe High School.
Which Career Fits You?

A simple self-assessment can help you start thinking about your options

by Leslie Clark

Picture yourself on your daily commute to work. How do you feel? Unhappy? Dissatisfied? Do you sometimes feel unsure about where your career plans are headed? If so, don’t panic, because you are not alone.

In its Labor Day survey for 1999, the Gallup Poll indicated that more than 50 percent of Americans are dissatisfied with their jobs. In another Gallup survey, two-thirds of a group of adults said if they were starting all over, they would try to get more information about their career options.

The first step: Self-assessment

Whether you’re starting your first job, planning your career, reentering the job market, or considering your next career, it’s important to get to know yourself through self-assessment. Here’s your chance to take the first step in finding out which occupations enable you to best use your strengths and talents. Pick up a pen or pencil and take the quiz right now.

First: Mark all items in each section you think you would enjoy.

“R” Section
- Repair a car
- Do woodworking
- Refinish furniture
- Explore a forest
- Plant a garden
- Build furniture
- Drive a truck

“I” Section
- Study causes of disease
- Do a science project
- Study human anatomy
- Study insects
- Research solutions to environmental problems
- Collect minerals and rocks
- Study the solar system
- Do math problems
- Talk to a scientist
- Study plants

“A” Section
- Sing before the public
- Design clothing
- Decorate a home or office
- Direct a play
- Write a story or play
- Design a poster
- Create a sculpture
- Arrange flowers
- Make videos
- Act in a performance

“S” Section
- Teach children
- Care for a sick person
- Teach a friend
- Interview clients
- Help a person overcome difficulties
- Be a hospital volunteer
- Help a charity
- Make people laugh
- Baby-sit

“E” Section
- Sell cars
- Make a speech
- Be the boss of other workers
- Start a club
- Save money
- Sell things
- Lead a meeting
- Take charge of a project
- Sell magazines door to door

“C” Section
- Keep detailed records
- Operate business machines
- Organize a work area
- Take telephone messages
- Attend to details
- Balance a budget
- Use a word processor
- Proofread a document
- Create a filing system

Now, go back to the sections. Add up how many boxes you checked in each section and fill in the totals for each in the space provided below.

Totals:
R
I
A
S
E
C

What the letters mean

Each of these letters represents a personal interest category. The boxes you have checked the most show where your interests are strongest. Listed below are some jobs related to each interest type.

R - Realistic Careers: Mechanic, fire fighter, police officer, forester, chef, carpenter, landscape architect, military, athletic trainer, engineer

I - Investigative Careers: Biologist, psychologist, computer programmer, doctor, engineer, pharmacist, mathematician, dietician

A - Artistic Careers: Artist, musician, novelist, photographer, lawyer, interior designer, television announcer, actor, disc jockey, art teacher, reporter, architect

S - Social Careers: Social worker, counselor, teacher, nurse, minister, school administrator, occupational therapist

E - Enterprising Careers: Business owner, manager, sales person, travel agent, public relations, personnel director, realtor, florist

C - Conventional Careers: Accountant, secretary, banker, bookkeeper, math teacher, treasurer, surgical technologist, dental assistant

An athlete? A nurse? An officer?

Do you need to run off and apply for medical school just because you scored high in the investigative section? Of course not. Quizzes like these are not designed to tell you exactly which job is right for you, but rather to get you thinking about your preferences. You should also look to see if you scored high in more than one section. Many combinations and possibilities are out there.

This is only one of many career assessment tools available through bookstores, the Web, and your local Employment Security Commission, which is located at Edgecombe Community College. The college’s Student Services Department, located on both the Tarboro and Rocky Mount campuses, also offers services to help you discover the career that best suits you, including career counseling and job placement advising.

Contact Lesley Wirt, student recruiter/career counselor, at 823-5166, ext. 277, or email wirtL@edgecombe.edu.

Taken from The Career Interest Program Prentice-Hall, Inc. © 2001
From building a space shuttle to sewing a shirt, it all starts with drafters.

“In the fall, I always tell my students to look around very closely and show me something someone didn’t have to draw before it was made,” says Dick Stallings, program coordinator for ECC’s mechanical drafting technology program. “It is very hard to do.”

The mechanical drafting curriculum prepares technicians for drafting mechanical parts, mechanisms, and components of mechanical or electromechanical systems. The diploma program requires 39 credit hours, and the certificate program requires 12 credit hours.

The role of a drafter is to put a design idea on paper, Stallings explains. A drawing can then be used to manufacture a product.

But the job entails more than just drawing. A drafter must know the abilities and limitations of what materials will be used, he explains. The drafting industry places high regard on accuracy, so a prospective student must be good in math, possess good hand-eye coordination, be a stickler for accuracy and details, like to draw and sketch, and like to put objects together and take them apart.

A common tool for a drafter is a computer-aided drafting program. Students in ECC’s CAD classes use the most powerful computers on campus, Stallings says.

CAD programs help drafters create drawings for a manufacturer’s product. Stallings explains that CAD data use figures to the 14th decimal place. “There’s no doubt that it’s accurate.”

Twenty-five students were enrolled in the mechanical drafting program during the spring 2006 semester, 12 of whom were high school students. Drafting courses are popular with high school students, he says. “They’re working on computers all the time, and there’s no homework.”

Job prospects are excellent for drafters. According to the U.S. Department of Labor, the demand for drafters will increase up to 15 percent in the next four years.

That demand is already evident in eastern North Carolina. A recent look at the bulletin board outside Stallings’ office showed five job openings at companies such as Cotton Belt in Pinetops. “A drafting diploma or certificate will get you hired,” he says.

A new course in the planning stages will feature Inventor R10. Students will use the program along with 3D Max Solid Modeling and Animation. A student will be able to start with a skeleton, make a precise drawing, produce a solid model, and make the product move.

“What students are learning in our classrooms is exactly what they’ll be doing on the job,” Stallings assures.
Some say the first step to a successful college career is the one you take through the front door.

“When I talk to adult students, I tell them the hardest part is getting past that fear of the unknown,” says Susan Roberson, student support specialist at Edgecombe Community College.

Roberson is among a network of staff at ECC who knows what it takes to succeed in college. Skilled in evaluating needs, issues, and dreams, these counselors can arm students with the basic tools they need to achieve in the classroom and beyond.

“There isn’t any one formula,” says Michael Jordan, vice president of student services, commenting on the steps students can take to get headed in the right direction. “Mostly it’s a combination of managing time and building a strong support network.”

Roberson agrees. “Time management is key. Determine how your life fits into taking classes. You’ll have a much stronger chance of success when you see how all of your different obligations work together.”

ECC’s commitment to student success is evident through the numerous services available. Career counseling, personal counseling, tutoring, job placement, academic advisement, financial aid advisement, and veterans’ services are among the tools available to address concerns of student life.

“Many students begin with our Web site <www.edgecombe.edu>,” Roberson says. “Our site answers questions that can guide them through the admission process, placement testing, or other services students need to get started.”

Students may want to begin college by talking face-to-face with a counselor. Staff can provide tips and guidance on course selection, educational or college transfer planning, and evaluate needs for strengthening basic skills.

In addition, students pressed for time can pose questions through e-mail. “It’s a good way to communicate, especially for returning students who might not have time for a face-to-face appointment,” notes Roberson. In addition to calling on the wealth of ECC resources, students can ensure their success by adopting a few simple strategies.

“Get out that calendar or planner,” says Jordan. “It will help you see what you have scheduled that day and put things in perspective.” Second, don’t be afraid to talk to your instructor. “An instructor may be able to help you find the right kind of services you need,” explains Jordan. “ECC is a close-knit community, and we all work together to help students.”

A third survival strategy is to build a strong support network. Students who enlist their families, friends, coworkers, or bosses in reaching their goals perform better in the long run.

“You might also find someone in your classroom who’s going through similar experiences,” Jordan advises. “Simply being able to talk to someone else when you’re feeling overwhelmed can really help.”

Programs and Services Help Ensure Student Success

Debora Parker (right), an information technology student, has been an invaluable resource to the college’s peer tutoring program, which pairs students who are doing well at ECC with students who are struggling in one or two areas. Parker says she has found the peer tutoring program very rewarding. “I remember one student who said, ‘I get it now.’ That made me feel great.” Shown left is Susan Roberson, student support specialist. In addition to peer tutors, professional tutors are available through ECC’s Curriculum Learning Center.

For more information:

Michael Jordan
Vice President of Student Services
823-5166, ext. 324
jordanm@edgecombe.edu

Susan Roberson
Student Support Specialist
823-5166, ext. 259
roberso@edgecombe.edu

Lesley Wirt
Student Recruiter/Career Counselor
823-5166, ext. 277
wirtl@edgecombe.edu
Think you need a treasure map to get financial aid? Free money for college doesn’t have to be a difficult process. It’s all in the details. Here are a few tips from ECC’s financial aid officers.

Don’t wait until the last minute. ECC has a variety of financial aid available for students, but it’s important to apply for aid as soon as possible. The first step is the Free Application for Federal Student Aid (FAFSA). It’s best to fill it out in January of each year for the following fall term. The application may be completed any time throughout the year, but don’t wait until the last minute because some monies may no longer be available. The college receives a set amount of some funds from the federal and state government, and after that’s gone you may have to find other resources. Federal Pell grants are always available for those who qualify.

Don’t mix and match. Names that don’t match with Social Security numbers cause problems and delays. If a woman gets married and doesn’t change her name with the Social Security Administration, that will raise questions during processing of the FAFSA. Be sure to change your name and update all your personal information with any changes. This may also raise questions of U.S. citizenship, and students may have to produce other documents proving their citizenship.

Don’t forget to register. Hey guys – Uncle Sam wants you to register for Selective Service. All males 18 years of age must register; this is another check that occurs during the processing of the FAFSA. Failure to do so will hold up your application. However, if you are 26 or older at the time you apply, selective service registration is not required.

Don’t default on a previous loan. If you’ve been a student before and had student loans, it’s important to be in good standing. There is a check through a government database for previous loans to see if you may have failed to repay. If you are in default of a previous federal loan, you will not qualify for federal aid.

Don’t offer too much information. When filling out your FAFSA, be sure to fill it out completely and thoroughly. However, do not include any extra information that is not requested if you mail in your FAFSA. Letters, tax forms, or other materials will not be read or considered by the federal processor. Special circumstances should be discussed with ECC’s financial aid officers.

Don’t slack off in class. Failure to make satisfactory progress in your courses can hinder your future eligibility for aid. Guidelines require that students pass 70 percent of their attempted hours with a grade point average of at least 2.0. Attempted credits means all courses registered. Withdrawing or not completing courses will impact your financial aid eligibility.

Don’t forget scholarships. The ECC Foundation offers a variety of scholarships for students for a range of areas and needs. Not applying for scholarships may mean spending your own money when you don’t have to. In 2004-2005, the Foundation awarded about $75,000 in student scholarships. More than 100 students benefit annually from these funds. Typically, scholarships range from $100 to $3,000.

Don’t overlook other sources. Scholarships also are available from a number of community organizations and other groups. Churches, booster clubs, lodges, or civic clubs may offer scholarships, though the student will have to do some checking to find out. LaShawn Cooper, director of financial aid at ECC, urges students to check with their...
family and friends first to see if they belong to an organization that may provide money for higher education. Statewide and national scholarship programs also are available. Some of these are listed on our Web site, but be sure to do some additional digging.

Go to www.edgecombe.edu, click on “Prospective Students,” then click on “Financial Aid.”

For more information:
LaShawn Cooper
Director of Financial Aid
823-5166, ext. 258
cooperL@edgecombe.edu

What kind of financial aid is available?

To meet a student’s financial need, ECC makes aid available through a combination of grants, loans, and work.

Scholarships or Grants – financial aid that doesn’t have to be repaid

Loans – borrowed money that must be repaid with interest following college

Employment – in some instances, work may be related to the student’s field of study

For more information about the Performance Series visit www.edgecombe.edu or contact
Eric Greene, Cultural Arts Director
2009 W. Wilson Street
Tarboro, NC 27886
(252) 823-5166, ext. 187
Email: greenee@edgecombe.edu
Traditional Program Infused with Online Delivery

by Mary Tom Bass

T he college’s program in electrical/electronics technology has been offered for almost as many years as the college has been open. In recent years, the curriculum has developed so that much of the instruction can be delivered online.

“At first it was a TV/radio service program, an appliance-type program,” says Dr. Stan Garren, program coordinator. “About 15 years ago, when this was no longer a career option, electrical/electronics became the focus.”

Electrical/electronics has long been popular with both students and local industry, which often contacts ECC for specialized employee training. The job outlook is strong, as is salary. “Someone in maintenance with specialized training in electrical/electronics is very marketable and highly sought,” Garren says. “This individual could easily make more than $20 an hour.”

Both certificate and diploma options are offered at the college. The certificate requires three courses: DC/AC electricity, basic wiring, and motors and controls. The diploma requires 12 courses: 9 courses that are related to electrical/electricity, one math course, one English course, and a general college course.

The diploma program builds on courses taken for the certificate. Study includes electricity and wiring, motor control, programmable logic controllers, fundamental understanding of solid state electronics, and troubleshooting skills.

“More than other programs out there in the field, we are constantly infusing new technology into our program,” Garren says, pointing to a new emphasis on motor drive systems. Electrical/electronics is especially suited to adult learners who work. Internet delivery of classes and an open lab environment make the program more accessible and convenient.

“Most of our students work; that’s been a big change for us in the last few years,” observes Garren. Unique to the program is the electricity course in Spanish. It is the only course in the area of industrial and technical trades that is taught in Spanish.

“Hispanics in industry have migrated into mechanical areas,” Garren explains. “Mechanicals are married to electrical devices, and individuals with electrical/electronics skills get ahead faster. An electricity course in Spanish serves this population particularly well.”

Tomas Garfias, a native of Mexico, is a student in the electrical/electronics program, and he also teaches an electricity course in Spanish at the college. Garfias works as an electrical technician at QVC.

For more information:
Electrical/Electronics Technology
Dr. Stan Garren
Program Coordinator
823-5166, ext. 287
garrens@edgecombe.edu

Jump start your degree through high school academy

H ow can a high school student know what career path to choose? The Industrial & Engineering Technologies Academy, a partnership between Edgecombe Community College and Edgecombe County Public Schools, is helping.

“The academy began in 1996 as a very close partnership between North Edgecombe, SouthWest, and ECC,” explains Doug Parrish, department chair of industrial and technical trades programs. “I cannot begin to describe how well this partnership has worked.”

Prospective students are selected based in part on an interview, grade point average, and disciplinary record. If selected for the academy, students take manufacturing classes at ECC their final four semesters of high school.

“If they are able to complete both their junior and senior years in the academy, they could start at the community college as a sophomore and in one year transfer to East Carolina University in industrial technology. They could then graduate from a university three years out of high school,” Parrish explains. “That is the plan, and it has worked well for the students who have taken full advantage of the opportunity.”

Courses are offered through ECC’s manufacturing technology program. In the two high school level courses, students cover introductory topics, learning basic principals and terminology related to the college classes.

Their junior and senior years, the students travel to the college to take courses such as hydraulics, safety, electronics, and robotics, all for dual college and high school credit.

ECC is pursuing a grant to expand the academy, Parrish says. Currently, as many as seven new types of academies are on the drawing board, including an engineering academy targeting the Edgecombe Early College High School. “We are going to pilot it,” he says. “The academies are a good thing, and they will be worthwhile for our high school students.”
Training for Industry Focuses on Customization

One of ECC’s hallmarks is its collaborative relationships with local industry. The college’s Division of Workforce Development hustles every day to deliver the training an industry needs — where it’s needed, when it’s needed, how it’s needed.

“I just left a local business,” says Dan Grimsley, dean of the division, “and they were comparing ECC to their other training sources. They said all they have to do is call us, and we’re there. We go to them, teach them right there in their facility, then follow them out on the floor to help.”

Grimsley’s division is independent of the college’s curriculum programs, which are those programs leading to a degree, diploma, or certificate. Curriculum program requirements are set by the state community college system; standards are in place regarding course content and course delivery.

In Grimsley’s world, training is all about customization. “We can get creative,” he says. “Take welding, for example. If a student takes a welding course as part of the industrial systems certificate program, that student is required to complete a set amount of class hours studying a set amount of knowledge about welding. If an industry wants me to train a group of workers in welding, I find out exactly what’s needed and teach just that, nothing more, nothing less. The course might run for a day, it might run for 10 weeks — it all depends on what the industry needs.”

“Also, we can deliver the courses on site,” he continues. “Nine times out of 10, students don’t have to come to campus; we go to them.” Grimsley is currently teaching Greenbelt, part of a three-part training series developed to improve manufacturing efficiency and quality control, to 20 Hospira employees. The goal is to train 100 by the end of the summer; all of the training will take place at Hospira.

Grimsley was among the first Certified WorkKeys Profilers in the state’s community college system. WorkKeys® is a job skills assessment system. Considered a national expert, he presented in May at the 9th Annual WorkKeys National Conference in Nashville, Tennessee. He has performed WorkKeys profiles across the United States as well as in The Netherlands and Germany.

In April, Grimsley spoke on performance improvement approaches, including Lean, Six Sigma, and Total Quality Management, at the 2006 AchieveINET Regional Conference in Beaufort, South Carolina.

“Our workforce development instructors have credentials that are highly unusual for a mid-sized community college,” notes ECC President Dr. Deborah Lamm. “Both Grimsley and Joy Dalton-Robinson, director of our NEIT, FIT, and CT programs, have achieved the top credentials in a number of industrial training programs. We are fortunate to have them in Edgecombe County.”

The college offers about 30 industrial training programs, including Six Sigma, Yellowbelt, Greenbelt, and Blackbelt certifications; Kepner-Trego®; WorkKeys; welding with AWS certification; safety; and machining.

The Division of Workforce Development assists business and industry through three initiatives: new and expanding industry training (NEIT), focused industrial training (FIT), and customized training (CT).

New and expanding industry training promotes expansion of existing industries and often helps attract new industry. Grant-funded focused industrial training enables the college to offer small classes targeting very specific skills to workers. In addition, through a statewide program, ECC provides free customized training to new employees of companies creating 12 or more new jobs in a one-year period.

“We do something different every day,” Grimsley adds. “I would get bored having it any other way.”

For more information: Customized Training for Industry

Dan Grimsley
Dean of Workforce Development
823-5166, ext. 222
grimsleyd@edgecombe.edu

New Engineering Program Launched with NCSU and ECU

New to the slate of offerings at ECC this fall is the Associate in Science—Pre-major in Engineering.

This collaborative program unites ECC with North Carolina State University, East Carolina University, and the Gateway Technology Center in Rocky Mount.

Through the program, students may obtain a bachelor’s degree right here at home. Students take a structured curriculum that begins with their first semester of study at ECC.

“This is a terrific opportunity for our students.”

They complete general education, science, and math courses toward the associate in science degree at the community college.

Upon completion of their associate in science degree, students may begin their engineering course work at NCSU or ECU provided they are accepted into one of those engineering programs. Specific requirements for transfer into NCSU’s College of Engineering can be found at <http://www.engr.ncsu.edu/students/docs/transferreq.html>. For information on engineering at ECU, go to <http://www.tecs.ecu.edu/engineering/FAQ/FAQ.html#>.

Both NCSU and ECU courses are taught via two-way video classes at the Gateway Technology Center, located near the campus of North Carolina Wesleyan College. The classes are led by university instructors. Students in Rocky Mount can see and hear the professor on a large video screen, ask questions, and participate in class discussions.

“Students may receive a bachelor’s degree in engineering from NCSU or ECU without ever setting foot on their campuses,” says Dr. Alan Stephenson, dean of the Division of Arts and Sciences at ECC. “This is a terrific opportunity for our students.”

For more information: Associate in Science—Pre-major in Engineering

Dr. Alan Stephenson
Dean of Arts and Sciences
823-5166, ext. 221
stephensona@edgecombe.edu

Edgecombe Community College • www.edgecombe.edu

Call: (252) 823-5166

Fall 2006 • CAREERFOCUS — 15
ECC Provides Specialized Training in Industrial Systems

by Charles Kinnin

Industrial systems technology is a shining example of a successful collaboration between Edgecombe Community College and local industry.

“Every facility needs maintenance technicians, not just to work on machines but also to maintain other equipment, like the HVAC system,” says Doug Parrish, program coordinator. The industrial systems program was designed to keep these technicians in step with the latest trends in their field.

“This program was created to satisfy a need expressed by industry,” Parrish continues. “Sara Lee, KCST, Consolidated Diesel, Hospira – these and several other companies regularly send us their employees. Most come in with knowledge and experience; we’re adding to the breadth and depth of that knowledge.”

Courses include welding, machine processes, hydraulics/pneumatics, electricity, and refrigeration. Six courses are required for the certificate.

Students, especially those working full time, can use the certificate program as a launching point to a better job or a degree.

The industrial systems certificate is traditionally a night program. Most of the students work first-shift jobs, so the demand for the program is highest with night students.

A continual upgrade of teaching tools is a priority. During the 2005-2006 academic year, the college purchased $25,000 in new equipment that will be used in part by industrial systems students. Next year, ECC hopes to purchase $20,000 worth of pneumatic and electrical training equipment.

For more information:

Industrial Systems Technology

Doug Parrish
Program Coordinator
823-5166 ext. 189
parrishd@edgecombe.edu

Where Are All the Girls?

by Mary Tori Bass

Identifying women, either current students or ECC graduates, to interview for the articles in this issue of CAREERFOCUS was nigh impossible.

Based on our research, which we claim to be neither scientific nor conclusive, women in industrial and technical trades are as rare as hair on a bullfrog.

According to the National Institute for Women in Trades, Technology & Science (IWITTS), “Young women are employed in a narrow range of occupations. For example, young women, aged 16 to 34, are only 1 percent of automobile mechanics, 4 percent of airline pilots and navigators, and 10 percent of electronic technicians compared to young men in the same age category.”

Brenda Stokes is a student in the electrical/electronics program and an HVAC technician at Hospira. With a degree in the field of electrical/electronics, she says, “I can move anywhere and find a job.”

Some say women lack the aptitude for technical careers. Rubbish, say ECC instructors. “For some reason, women make better grades in our classes,” observes Al Carroll, program coordinator of auto mechanics. “They are more detail-focused than men, hence they tend to make better mechanics. I’ve had three or four female students in the last few years. We’ve had great success with women.”

Bud Spight, program coordinator of auto body repair, agrees. “Women seem to make the best painters. They are superior to men in matching color, possibly because most men are a little color-blind. I have trouble with blues and greens myself.”

The drafting industry is dominated by men, says Dick Stallings, program coordinator of mechanical drafting, but women hold their own. “Some of our best students are women, and I think it’s because of their attention to detail.”

Bev Webb is a natural when it comes to gadgets, thingamajigs, and doohickeys. A student in ECC’s industrial technology program, she says, “I’ve always been mechanically inclined. I took apart a broken radio when I was eight, and I repaired it.”

Webb has worked full time in the maintenance department at QVC for five years. Prior to this post, she was an automotive technician. “There are lots of stereotypes that you have to stare down. Fortunately, I don’t back down.”

Brenda Stokes is a student in the electrical/electronics program and an HVAC technician at Hospira. “Why would a woman want to work in maintenance? I’m asked that question often,” she says.

“I was working in production at Hospira, and the opportunity was there for me to go to school. I jumped at the chance. It was never a male vs. female issue. I am mechanical, and I like to fix things. I can move anywhere and find a job; there will always be a need for electricians.”

ECC is working to break down the barriers that discourage women from pursuing fields in technology and science. For one week each June, the college holds a morning “camp” for rising eighth, ninth, and tenth graders. Next year, with special grant funding, girls will have their very own engineering and industrial technology camp.

“We don’t understand it, but we see women back off when they walk into a technical classroom and see lots of men sitting around,” says Dr. Stan Garren, dean of the Division of Business and Technologies. “It’s an interesting phenomenon, because women are usually better performers in the classroom.”

Economic incentive could be one driving force for women to pursue technical careers. According to the IWITTS, about half of young women aged 16-24 work in jobs that pay an average wage of $338 per week, while 60 percent of young men work in jobs that pay an average wage of $448 per week.

This $110 per week wage differential is linked to the different occupations in which women and men are employed, the IWITTS says. “Women employed in nontraditional jobs earn higher wages than women employed in traditionally female occupations.”

Garren adds, “We hope that through our summer camp, when girls are still in middle and high school, we can alter their perceptions a bit and encourage them toward careers in technology.”

CF
Searching for something better in life?
Do you know how or where to start?

Gain a new perspective by evaluating where you are professionally. Maybe new skills or a career shift is what you need. If so, begin to make it happen at Edgecombe Community College. ECC has numerous programs to put you on a great career path.

Our outstanding faculty and committed team of academic and career counselors are ready to assist you in developing the plan to fulfill your dreams. Each of the following areas of study specify whether a degree, diploma, or certificate can be earned – meaningful credentials that make sense to employers and four-year colleges.

**Associate degrees** provide instruction in general education, as well as in-depth career preparation.

**Diplomas** are generally completed in one year. Diploma programs focus primarily on job skills but include some general education courses.

**Certificates** are typically short-term programs that emphasize job training. Only those classes required to perform the job are included in the curriculum.

A broad range of personal enrichment and continuing education courses also are available through the college’s Continuing Education Division. A variety of seminars and workshops are offered throughout the year by the Small Business Center. Also, dynamic business and industry workshops and training programs help new and expanding industries by teaching employees new skills.

We understand that education has to fit your already busy lifestyle. We offer classes in the evening and online. And, as always, hundreds of courses are available on our campuses in Tarboro and Rocky Mount.

Take a look at the following listing. After you find some areas that interest you, call us at (252) 823-5166 or visit us online at www.edgecombe.edu. Let us know how we can help. Get started today, you’ll be glad you did.

**Note:** Average Yearly Earnings: The first (top) salary number (followed by “e”) represents the average entry wage. The second salary number represents the average rate of pay for the majority of employees in their occupation.

**Source:** 2004-2005 statistics from the North Carolina State Occupational Information Coordinating Committee; 2002 Occupational Outlook Handbook CF

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**Edgecombe Community College A-Z**

What follows is an alphabetical listing of programs and areas of study offered by Edgecombe Community College. Call (252) 823-5166, ext. 255, for more information, or visit ECC on the Web at www.edgecombe.edu.

<table>
<thead>
<tr>
<th>Area of Study</th>
<th>ECC Program</th>
<th>Prepares you for:</th>
<th>Average yearly earnings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Associate in Applied Science Degree</td>
<td>Accounting positions in many types of organizations, including accounting firms, small businesses, manufacturing firms, banks, hospitals, school systems, and government agencies.</td>
<td>$31,130e</td>
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<tr>
<td></td>
<td>Diploma</td>
<td></td>
<td>$49,220</td>
</tr>
</tbody>
</table>

**Associate in General Education Degree**

This curriculum is designed for the academic enrichment of students who wish to broaden their education.

| Autobody Repair               | Diploma                       | Employment in the automotive body and refinishing industry.                      | $22,190e                |
|                               |                               |                                                                                  | $37,560                 |

<p>| Automotive Systems Technology | Diploma                       | Positions as automotive service technicians in dealerships and repair shops.      | $19,670e                |
|                               |                               |                                                                                  | $34,630                 |</p>
<table>
<thead>
<tr>
<th>Area of Study</th>
<th>ECC Program</th>
<th>Prepares you for:</th>
<th>Average yearly earnings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biotechnology</td>
<td>Associate in Applied Science Degree</td>
<td>Positions as research assistant to a biologist or chemist, laboratory technician/instrumentation technician, or quality control/quality assurance technician.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(offered through a collaborative agreement with Pitt Community College)</td>
<td></td>
<td>$26,990e $36,830</td>
</tr>
<tr>
<td>Business Administration</td>
<td>Associate in Applied Science Degree</td>
<td>Employment opportunities in government agencies, financial institutions, and small to large businesses or industries.</td>
<td>$20,000e $49,000</td>
</tr>
<tr>
<td></td>
<td>Diploma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Administration, Electronic Commerce Concentration</td>
<td>Associate in Applied Science Degree</td>
<td>Employment in the field of the Internet economy and e-commerce.</td>
<td>$25,000e $52,000</td>
</tr>
<tr>
<td>Computer Tomography &amp; Magnetic Resonance Imaging Technology</td>
<td>CT/MRI Diploma CT Certificate MRI Certificate</td>
<td>The use of specialized equipment to visualize cross-sectional anatomical structures. These curriculums are specialties for radiographers.</td>
<td>$28,980e $38,300</td>
</tr>
<tr>
<td>Cosmetology</td>
<td>Diploma</td>
<td>Employment in beauty salons and as skin/nail specialists.</td>
<td>$14,250e $22,830</td>
</tr>
<tr>
<td>Cosmetology Instructor</td>
<td>Certificate</td>
<td>Positions teaching cosmetology.</td>
<td>$24,700e $38,500</td>
</tr>
<tr>
<td>Criminal Justice Technology</td>
<td>Associate in Applied Science Degree</td>
<td>Employment in a variety of local, state, and federal law enforcement, corrections, and security fields.</td>
<td>$26,990e $33,920</td>
</tr>
<tr>
<td></td>
<td>(offered through a collaborative agreement with Pitt Community College)</td>
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<td></td>
</tr>
<tr>
<td>Dental Assisting</td>
<td>Diploma</td>
<td>Positions in dental offices to assist the dentist in the delivery of dental treatment.</td>
<td>$19,380e $26,390</td>
</tr>
<tr>
<td></td>
<td>(offered through a collaborative agreement with Martin Community College)</td>
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<tr>
<td>Dental Hygiene</td>
<td>Associate in Applied Science Degree</td>
<td>Positions that plan, implement, and evaluate dental hygiene care for individuals and communities.</td>
<td>$26,620e $46,600</td>
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<tr>
<td></td>
<td>(offered through a collaborative agreement with Halifax Community College)</td>
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<tr>
<td>Area of Study</td>
<td>ECC Program</td>
<td>Preparations</td>
<td>Average yearly earnings</td>
</tr>
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<tr>
<td>Early Childhood Associate</td>
<td>Associate in Applied Science Degree</td>
<td>Positions working with children from infancy through middle childhood in a day care or child care setting.</td>
<td>$14,680e, $17,630</td>
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<tr>
<td></td>
<td>Diploma</td>
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<tr>
<td></td>
<td>Certificate</td>
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<tr>
<td>Early Childhood Associate, Teacher Associate Concentration</td>
<td>Associate in Applied Science Degree</td>
<td>Positions working with children from two years old through middle childhood in a pre-K through middle school environment.</td>
<td>$14,680e, $17,630</td>
</tr>
<tr>
<td></td>
<td>Diploma</td>
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<tr>
<td></td>
<td>Certificate</td>
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<tr>
<td>Electric Lineman Technology</td>
<td>Associate in Applied Science Degree</td>
<td>Positions as linemen in the preparation and repair of rural electrical utility service.</td>
<td>$30,080e, $41,920</td>
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<tr>
<td></td>
<td>(offered through a collaborative agreement with Nash Community College)</td>
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<tr>
<td></td>
<td>Diploma</td>
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<tr>
<td></td>
<td>Certificate</td>
<td></td>
<td></td>
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<tr>
<td>Electrical/Electronics Technology</td>
<td>Diploma</td>
<td>Installing and maintaining electrical/electronic systems found in residential, commercial, and industrial facilities.</td>
<td>$24,770e, $33,980</td>
</tr>
<tr>
<td></td>
<td>Certificate</td>
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<tr>
<td>Esthetics Technology</td>
<td>Certificate</td>
<td>Employment in beauty and cosmetic/skin care salons, as a platform artist, and in related businesses.</td>
<td>$12,730e, $23,504</td>
</tr>
<tr>
<td>Facility Maintenance Worker</td>
<td>Diploma</td>
<td>Positions in maintaining and repairing physical structures and systems of commercial and industrial establishments.</td>
<td>$21,000e, $46,000</td>
</tr>
<tr>
<td></td>
<td>Certificate</td>
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<tr>
<td>Funeral Service Education</td>
<td>Diploma</td>
<td>Employment in the funeral service industry.</td>
<td>$16,000e, $24,000</td>
</tr>
<tr>
<td></td>
<td>(offered through a collaborative agreement with Fayetteville Technical Community College)</td>
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<td></td>
</tr>
<tr>
<td>General Occupational Technology</td>
<td>Associate in Applied Science Degree</td>
<td>Positions that require effective workers. This curriculum is individualized for students according to their occupational interests and needs.</td>
<td>$16,500e, $26,000</td>
</tr>
<tr>
<td></td>
<td>Diploma</td>
<td></td>
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<tr>
<td></td>
<td>Certificate</td>
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</tr>
<tr>
<td>Area of Study</td>
<td>ECC Program</td>
<td>Prepares you for:</td>
<td>Average yearly earnings</td>
</tr>
<tr>
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</tr>
<tr>
<td>Health Information Technology</td>
<td>Associate in Applied Science Degree</td>
<td>Positions that process, compile, analyze, maintain, manage, and report health informatics and information.</td>
<td>$20,590e $31,570</td>
</tr>
<tr>
<td></td>
<td>Coding Diploma</td>
<td></td>
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<tr>
<td></td>
<td>Coding Certificate</td>
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<tr>
<td></td>
<td>Protected Health Information Certificate</td>
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<tr>
<td>Healthcare Management Technology</td>
<td>Associate in Applied Science Degree (offered through a collaborative agreement with Pitt Community College)</td>
<td>Employment in health care business and financial operations.</td>
<td>$20,500e $34,570</td>
</tr>
<tr>
<td>Human Services Technology</td>
<td>Associate in Applied Science Degree</td>
<td>Positions in institutions and agencies that provide social, community, and educational services.</td>
<td>$17,510e $23,570</td>
</tr>
<tr>
<td>Industrial Systems Technology</td>
<td>Certificate</td>
<td>Industrial settings that need individuals to service, maintain, repair, or install equipment.</td>
<td>$24,600e $46,750</td>
</tr>
<tr>
<td>Information Systems</td>
<td>Associate in Applied Science Degree</td>
<td>Positions that provide technical assistance and training to computer users.</td>
<td>$28,860e $46,810</td>
</tr>
<tr>
<td>Internet Technologies</td>
<td>Associate in Applied Science Degree</td>
<td>Employment with organizations that rely on the Internet for information exchange.</td>
<td>$22,000e $46,000</td>
</tr>
<tr>
<td>Intervventional Cardiac and Vascular Technology</td>
<td>Associate in Applied Science Degree Diploma (offered through a collaborative agreement with Fayetteville Technical, Johnston, and Wake Technical community colleges)</td>
<td>Employment in medical facilities where vascular, cardiovascular, and/or interventional imaging procedures are performed. This curriculum is a specialty for radiographers.</td>
<td>$28,980e $38,300</td>
</tr>
<tr>
<td>Lateral Entry Teaching</td>
<td>Certificate</td>
<td>The lateral entry curriculum was developed for teachers who hold lateral entry license and leads to teacher certification.</td>
<td>$15,309e $37,253</td>
</tr>
<tr>
<td>Area of Study</td>
<td>ECC Program</td>
<td>Prepares you for:</td>
<td>Average yearly earnings</td>
</tr>
<tr>
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</tr>
</tbody>
</table>
| Manicuring/Nail Technology | Certificate                              | Positions in beauty salons and nail salons.                                       | $14,250e
|                            |                                          |                                                                                  | $22,830                 |
| Manufacturing Technology   | Associate in Applied Science Degree      | Positions as manufacturing technicians, quality assurance technicians, CAD/CAM technicians, team leaders, or research and development technicians. | $24,500e
|                            |                                          |                                                                                  | $45,500                 |
| Manufacturing Technology,  | Associate in Applied Science Degree      | Positions that set up, operate, or tend machines that taper, shape, or form plastic parts. | $18,500e
| Plastics Concentration     |                                          |                                                                                  | $28,250                 |
| Mechanical Drafting        | Diploma                                  | Employment in mechanical areas such as manufacturing, fabrication, research and development, and service industries. | $28,600
| Technology                 | Certificate                              |                                                                                  | $42,500                 |
| Medical Assisting          | Associate in Applied Science Degree      | Positions that assist physicians, prepare patients for exams, prepare treatment rooms, inventory supplies and instruments, schedule appointments, and maintain records. | $18,630e
|                            |                                          |                                                                                  | $24,270                 |
| Medical Office Administration| Associate in Applied Science Degree     | Employment in medical and dental offices, hospitals, insurance companies, and other health care related organizations. | $19,386e
|                            |                                          |                                                                                  | $25,688                 |
| Medical Transcription      | Diploma                                  | Employment as a medical language specialist who interprets and transcribes dictation by physicians and other health care professionals. | $21,850e
|                            |                                          |                                                                                  | $27,230                 |
| Networking Technology      | Associate in Applied Science Degree      | Employment supporting local- and wide-area networks.                              | $37,850e
<p>|                            | Certificate                              |                                                                                  | $58,780                 |</p>
<table>
<thead>
<tr>
<th>Area of Study</th>
<th>ECC Program</th>
<th>Prepares you for:</th>
<th>Average yearly earnings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing</td>
<td>Associate Degree</td>
<td>Positions that provide care, treatment, and health education to ill or injured people. Plan and supervise health programs and personnel.</td>
<td>$36,930e $46,370</td>
</tr>
<tr>
<td></td>
<td>Diploma</td>
<td>Positions that provide patient care under the direction of doctors or registered nurses; may bathe, dress, feed and give medication to patients.</td>
<td>$24,670e $31,200</td>
</tr>
<tr>
<td>Office Systems Technology</td>
<td>Associate in Applied Science Degree</td>
<td>Positions that provide high-level administrative support.</td>
<td>$22,870e $30,880</td>
</tr>
<tr>
<td>Pre-Engineering</td>
<td>Associate in Science Degree</td>
<td>Pre-engineering major prepares students to enter four-year engineering programs at N.C. State University and East Carolina University</td>
<td>$28,980e $38,300</td>
</tr>
<tr>
<td>Radiography</td>
<td>Associate in Applied Science Degree</td>
<td>Employment as a radiographer, who uses radiation to produce images of the human body.</td>
<td>$32,460e $40,270</td>
</tr>
<tr>
<td>Respiratory Therapy</td>
<td>Associate in Applied Science Degree</td>
<td>Employment as a respiratory therapist, who specializes in the evaluation, treatment, and care of patients with heart and lung diseases.</td>
<td>$24,150e $30,570</td>
</tr>
<tr>
<td>Surgical Technology</td>
<td>Diploma</td>
<td>Employment as a surgical technologist, who assists in the care of the surgical patient and functions as a member of the surgical team.</td>
<td>$24,630e $30,570</td>
</tr>
</tbody>
</table>
General Information

Social Security Number: _________ / _______ / _________ Date of Birth: _______ / _______ / _________
Last Name: __________________________ First (not nickname): __________________________ Middle: _____________
Former Name (if applicable): __________________________
Mailing Address: ____________________________________________ City: __________________________ State: __________________________ Zip Code: _____________
County: __________________________ Email address: __________________________
Home phone: __________________________ Work phone: __________________________
Gender: Male Female
Ethnic Background: □ American Indian □ Asian □ Black □ Hispanic □ White □ Other __________________________
(Note: Information regarding ethnic background is voluntary and will not be used in decisions regarding the admissions process.)

Residence Information

North Carolina Law (G.S. 116-143.1) requires that “to qualify for in-state tuition, a legal resident must have maintained his or her domicile in North Carolina for at least 12 months immediately prior to classification as a resident for tuition purposes.”

1) Are you a legal resident of N.C.? □ Yes □ No 2) Have you been a resident of N.C. for 12 months? □ Yes □ No
3) Dates of out-of-state residence: __________________________

Employment Status

□ Full-time □ Part-time □ Unemployed (not seeking employment) □ Unemployed (seeking employment) □ Retired

Educational Experience

High School (check only one)
□ High School Graduate (Y) __________________________ Date Completed __________________________
□ Currently enrolled in High School (C) __________________________ Date Completed __________________________
□ Non-High School Graduate (N) __________________________ Date Completed __________________________
□ Adult High School Graduate (A) __________________________ Date Completed __________________________

College (check all that apply)
□ Vocational Diploma □ Associate Degree □ Bachelor’s Degree □ Master’s Degree or Higher

High School Last Attended: __________________________
School Name __________________________ Location __________________________ Dates Attended __________________________

College(s) Previously Attended: __________________________
School Name __________________________ Location __________________________ Dates Attended __________________________

Enrollment Information

I plan to enroll: Fall Semester __________________________ Spring Semester __________________________ Summer Term __________________________

Status: □ Freshman □ Transfer □ Campus(es): □ Rocky Mount □ Tarboro
Enrollment Attendance: □ Day Classes □ Evening Classes □ Full time □ Part time
(check all that apply): __________________________

Long Term Goal (check one)
□ To obtain an Associate Degree, Diploma, or Certificate. □ To enhance my job skills in my present field of work.
□ To enhance my employment skills for a new field of work. □ To take courses to transfer to another college.
□ To take courses for personal enrichment or interest.
Application Process

Submit this application for admission to ECC’s Department of Student Services in Tarboro or Rocky Mount. (Note: A high school diploma, GED, or Adult High School Diploma is required for all associate degree programs.)

Submit a transcript of credits from the last high school attended. Also include transcripts from any other college or university you may have attended. (High school transcripts are required for all students.) All official transcripts should be mailed directly to ECC from the institution attended. Applicants may hand deliver transcript(s) in an officially sealed envelope. (That is, transcripts that have the official college seal should arrive at ECC in an envelope sealed and stamped by the Registrar of the issuing institution.) Transcript request forms are available at Student Services on both campuses. Transcripts must be on file before a student can register for classes.

Complete placement test. This test is not an entrance examination and will not deny admission to the college for any student. The purpose of the test is to provide additional information in planning a student’s program. The tests are scheduled for both campuses on the second Tuesday of each month at 9 a.m. and 5:30 p.m.

Have a personal interview with a counselor.

Programs of Study

College Transfer

- A10100 Associate in Arts
- A10300 Associate in General Education
- A10400 Associate in Science
- A1010D Associate in Science/Pre-major in Engineering

Associate in Applied Science Degree Programs

- A25100 Accounting
- A20100 Biototechnology*
- A25120 Business Administration
- A25121 Business Administration/E–Commerce Concentration
- A55180 Criminal Justice
- A45260 Dental Hygiene*
- A55220 Early Childhood Associate
- A5522B Early Childhood Assoc./Teacher Assoc. Concentration
- A55280 General Occupational Technology
- A45360 Health Information Technology
- A25200 Healthcare Management Technology*
- A45380 Human Services Technology
- A25260 Information Systems
- A25290 Internet Technologies
- A45410 Interventional Cardiac and Vascular Technology*
- A50320 Manufacturing Technology
- A5032A Manufacturing Technology/Plastics Concentration
- A45400 Medical Assisting
- A25310 Medical Office Administration
- A25340 Networking Technology
- A45100 Nursing
- A25360 Office Systems Technology
- A45700 Radiography
- A45720 Respiratory Therapy

Diploma Programs

- D60100 Auto Body Repair
- D60160 Automotive Systems Technology
- D55140 Cosmetology
- D45200 CT/MRI
- D45260 Dental Assisting*
- D35210 Electric Lineman Technology*
- D50140 Electrical/Electronics Technology
- D50170 Facility Maintenance Worker
- D55260 Funeral Service Technology*
- D50340 Mechanical Drafting Technology
- D25320 Medical Transcription
- D45660 Practical Nursing
- D45740 Surgical Technology

Certificate Programs

- C45200 Computed Tomography (CT)
- C55160 Cosmetology (Instructor Training)
- C55230 Esthetics Technology
- C50240 Industrial Systems Technology
- C55430 Lateral Entry
- C45200 Magnetic Resonance Imaging (MRI)
- C55400 Manicuring/Nail Technology

Special Students

- T90990 Special Credit
- T90970 Huskins Bill
- T90980 Dual Enrollment

* collaborative program with another N.C. community college
A great company makes more than great products. It also makes great opportunities.

**Great company**
Rocky Mount, North Carolina is the home of Draka Elevator Products, the world's leading manufacturer and distributor of elevator and escalator components. From our facility on North Church Street, we oversee an international network of factories, warehouses and sales organizations that cater to the vertical transport industry. We are also part of Europe's third largest cable manufacturer, Draka Kabel N.V.

**Great products**
We've been a mainstay of Rocky Mount manufacturing for decades. Our products enjoy a global reputation for quality and are used in the world's tallest buildings. We are also innovators in delivering the products and services our customers demand.

**Great opportunities**
We are more than the products we sell - we are ideas, energy and most of all, a team of dedicated sales and manufacturing professionals looking for the people who can help us continue to grow.

If you're looking for a superior opportunity with a superior company, send your resume to Human Resources at Draka Elevator Products.
Proud to be... a Partner in Economics, a Partner in Education and a Partner in Civic Organizations.