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Programs A-Z
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Computer Technology is Changing the Way We Think, Work, and Play

Looking for Opportunity in Changing Times

By Bernie Hale, Theresa Schmitt, and Bob Carpenter

n 1943 the chairman of IBM, Thomas Watson, said, “I think there is a world market for maybe five computers.” At that time, Watson had no idea of the rapid change the computer age would bring. Now, two-thirds of American households have at least one personal computer, and there’s virtually no business that functions without one or more computers.

Today computers do much more than simply compute: Supermarket database systems calculate our grocery bill while keeping store inventory; computerized telephone switching centers play traffic cop to millions of calls and keep lines untangled; and mobile phone applications let us conduct banking transactions from a smartphone.

The U.S. Bureau of Labor and Statistics predicts employment in the computer systems design and related services industry will grow 45 percent from 2008-2018. The industry is projected to add more than 656,000 jobs over the decade, placing it among the five industries with the largest job growth. Watson said figures show more than 14,000 computer science jobs will be created through 2020 within a 150-mile radius of the Tri-Cities area.

To meet this growing demand, Northeast State offers four computer science concentrations:

Computer Programming - Prepares individuals as computer programmers, programmers assistants, maintenance programmers, and related positions in the information technology career field.

Internet and Web Development - Concentrates on teaching the design and management of third generation web sites using the latest software and multimedia tools to position individuals at the leading edge of Internet and e-commerce technologies.

Networking Systems - Prepares individuals for employment as computer network technicians, network and cable installers, and network administrators in a Microsoft networking environment. After completing program requirements, students should be academically prepared to take the following: CompTIA Net+ Certification Exam, CompTIA A+ Hardware and Operating Systems Certification Exams, and selected Microsoft MCTS Exams.

Personal Computer Management - Prepares individuals to set up and network personal computer equipment, install software and hardware, and analyze/correct problems encountered by computer users. After completing program requirements, students should be academically prepared to take the CompTIA A+ Hardware and Operating Systems Certification Exams.

In addition, starting in the fall of 2012, Northeast State will add a concentration in Information Assurance that will address the security aspects of data and information. The College also offers two associate of science degrees designed for transfer to four-year universities and colleges.

Lawson said Northeast State strives for the best mix of theory and hands-on training. Along with cutting-edge curricula, students can expect to solve their share of problems in reality-based lab situations. For example, in networking systems an instructor may “break” a connection and then task students to get the network back up and running.

“We don’t just teach it and hope they get it. When we give them instruction, we make sure they put it to use in a lab,” Lawson said. “It’s exciting to see them dig into problems; it gives them practice with both hardware and software. There’s no one out there that beats us as a two-year school; we can pretty much hold our own with anyone.”

Lawson said prospective students need to have a good math background as well as problem-solving, analytical, and communication skills. He said students who have taken advanced math courses in high school, such as calculus, will find they have an advantage in computer science courses.

“Do students have to be straight A students in math and calculus? No, but they have to be willing to work at it,” Lawson said. “Also, if a student can get that first programming language under his or her belt, other languages will come easier; and the student can grow and prosper in the program.”

Lawson said the department is also committed to ensuring that graduates leave Northeast State with a polished résumé and job interview skills, which he sees as key to landing a promising job.

“We want to give our students the best chance possible to succeed,” Lawson said. “Before they graduate from any of our division programs they know how to interview, how to set up that résumé, and how to communicate. That degree is not going to be as effective if they don’t know how to present themselves in a positive way.”

For more information about Northeast State’s computer science programs, call 423.323.0234 or e-mail dlawson@NortheastState.edu.
College Mentors
Program Fosters College-Going Culture

By Bob Carpenter

Equipped with a $750,000 grant from the U.S. Department of Education, the Alliance for Business and Training, and Northeast State Community College have created a program to foster a college-going culture to aid higher education enrollment, retention, and completion.

Essentially, the program – known as the College Mentor Corps Program – has two goals: one, to help high school graduates make the transition to college, and two, to aid the transfer of community college students to four-year institutions.

“The goal is to help economically disadvantaged and underserved students who are capable of academic success, but do not have a support system or knowledge of how to get into, and stay, in college,” said Linda Calvert, Northeast State’s director of College Access Programs. “We will provide a number of services and activities that will get high school students thinking about college and keep them moving toward a degree.”

Calvert said the program helps students with filling out college and financial aid applications, preparing for ACT and SAT exams, and completing scholarship paperwork. In addition, a number of workshops, information sessions, college tours, and face-to-face meetings are scheduled. Programs that bolster study skills, time management, test-taking strategies are in place for community college students, as well as help with transferring to four-year schools.

While these tasks may seem basic, Calvert said they are often an obstacle to success, especially for first-generation college students.

“If a student is coming from a home where there have been no college graduates, the language of college and the preparation of documents can be very daunting,” Calvert said.

“Research has shown that students who complete the FAFSA are more likely to attend college, so it’s very important to get these essential steps accomplished.”

Initially, the College Mentor Program will involve four high schools that currently collaborate with Northeast State and AB&T through the Workforce Investment Act: Sullivan Central, Sullivan East, Sullivan South, and Dobyns-Bennett. As envisioned, at least 10 high schools in the College’s service area will eventually participate in the program.

The mentors of the program will meet with their assigned students at least four times during the academic year and focus on high school graduation requirements, college entrance exams, admissions applications, and financial aid and scholarship applications. Mentors will monitor progress on each of these fronts.

As these students progress into college, the College Transitions Program will work with incoming freshmen to ensure they are knowledgeable of services and activities that provide support with study skills, time management, test-taking skills, and other coping strategies. In addition, the program will provide students with information about the transfer process to four-year colleges and universities.

“We want students to know where to get help and how to develop the skills and habits that make for a successful college student,” Calvert said.

Students interested in the program must complete and submit a program application, the High School Student Data Survey, and other required documentation such as high school transcripts. Students accepted into the program, and their parents must agree to submit all required paperwork, follow program guidelines, provide copies of grade and progress reports to mentors, and participate in at least 80 percent of program-related activities.

“Our goal is to help 500 students per year and we’ll be recruiting from the junior classes over a three-year period,” Calvert said. “We’ll be developing a college-going culture and a college-transfer culture with the students and their families during that time.”

For more information about the College Mentor Corps Program, contact Erika Adams at emadams@NortheastState.edu or 423.323.0223.
The financial aid process can seem complex, but the following information will keep you on track. If you have concerns or questions, please call the Northeast State Financial Aid Office at 423.323.0252 and the staff can help walk you through the process or e-mail financialaid@NortheastState.edu and staff will assist you via e-mail.

A new application for financial aid must be filed for each academic year as soon as possible after January 1. Completed FAFSA (Free Application for Federal Student Aid) applications received by March 1 will receive priority consideration for limited financial aid funds. However, Tennessee State Assistance Awards (TSAA) are available only to Tennessee residents whose financial aid application is received and processed soon after January 1.

Requirements
To be eligible to apply for State and federally funded aid programs, you must meet the following requirements:

• U.S. citizen, U.S. national, U.S. permanent residency who has an I-151, I-551, or I-551C or refugee. If you are not in one of these categories, you may view more guidelines posted in the Guide to Federal Student Aid at www.studentaid.ed.gov in the Glossary Section http://studentaid.ed.gov/PORTALSWebApp/students/english/Glossary.jsp.
• Regular high school diploma or successful GED.
• Social Security number (name on FAFSA application must match the Social Security card).
• No convictions for possession/sale of illegal drugs while enrolled in college.
• Selective Service registration for males 18 to 25 years of age.

Free Application for Federal Student Aid
By completing the FAFSA, you are applying for the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), Federal Work-Study (FWS), Federal Stafford Loans, Tennessee Student Assistance Award (TSAA), Tennessee Education Lottery Scholarship (TELS) and some institutional and local scholarships.

• Include Northeast State's Federal School Code Number 005378.
• Submit your FAFSA information at www.fafsa.gov.
• All students must obtain a Personal Identification Number (PIN) at www.PIN.ed.gov to electronically "sign" a submitted FAFSA. A parent must also obtain a PIN to sign a dependent student's application.

A new application for financial aid must be filed for each academic year as soon as possible after January 1.
Bring in these 12 items and the Financial Aid office will assist you in completing the financial aid application online. Students will get a quicker response on their eligibility and the application will be more accurate, saving time later to make corrections. Please call for an appointment for this service before June 1! For more information, call 423.323.0252 or e-mail financialaid@NortheastState.edu.

1. Copy of 2011 Tax Return (student/spouse/parent); be prepared to grant permission to the IRS to import your tax information to your FAFSA.
2. Copy of 2011 W2 (student/spouse/parent).
3. List of all untaxed income received in the household; child support, VA disability, Worker's compensation, Housing Allowances, IRA accounts, etc.
4. List of child support paid out for a child and the child's name.
5. PIN (personal identification number). If dependent, parent must also have a PIN number.
7. If dependent, the student must know or have parent's date of marriage, date of residency, birth dates, and Social Security numbers.
8. If ward of the court, bring court documentation.
9. If orphan, submit documentation.
10. If food stamps are received in household, bring Department of Human Services certification.
11. If student or parent has stocks, bonds, CD's, trust fund, real estate, partnerships, etc., please have the net value (fair market value – debt = net value) of each.
12. E-mail address.
New Auto Body Program and Facility Rev Up for Grand Opening

By Rob Carpenter

In January, Northeast State Community College unveiled the newly renovated Pal Barger Regional Center for Automotive Programs in downtown Kingsport. The downtown Kingsport building is located at 337 W. Center St. and formerly housed the Free Service Tire Company. Northeast State Foundation purchased the building with a $400,000 donation from Kingsport executive Pal Barger.

The center houses the auto body service technology certificate program, which trains students how to repair and rebuild auto bodies involved in accidents and collisions. Students will receive state-of-the-art training in areas such as welding, metal fabrication, refinishing, auto painting, and repair estimation. Eventually, the College will offer a two-year degree in auto body service technology.

“Our faculty and staff have worked very hard over the last several months to get the automotive building ready for classes,” said Dr. Janice Gilliam, Northeast State president. “Plant Operations Director Pete Miller and staff are to be commended for helping the contractors get the work done. They have been at the site over fall semester and early this year to get the framing/sheetrock, electrical, and painting work done to help reduce the cost of renovation for the College and the Foundation. We are very appreciative of the donation to the College Foundation of $400,000 by Pal Barger to purchase the building. We also received a donation of equipment for the shop from Dennis Powell, valued at about $25,000.”

Gilliam said the cost for renovation is nearing $1.2 million, with nearly $750,000 targeted for state-of-the-art auto body-related equipment, paint booth and setup, furniture, computer labs, multimedia classroom equipment, and information technology.

In addition to the paint booth, the facility has two classrooms, two offices, 14 workstations, four virtual paint stations, and a large shop area.

The virtual paint station – an example of the facility’s cutting-edge technology - produces a realistic setting that allows students to practice techniques and muscle and joint movements that produce ideal paint coverage and thickness on a finished vehicle surface.

Wearing what looks like a welding helmet and wielding a hand-held device, a student makes sweeping motions in front of a sensor while an image changes color on a nearby computer screen. After painting a hood, fender, or other part, the students and instructors may view the work from 360 degrees, inspect defects, and evaluate paint coverage, thickness, and amount used. For another practice session, just few taps on a touch screen monitor get the student back to work.

“It really allows for immediate feedback and increases training time,” said Ernie Morelock, instructor of Automotive Service Technology. “With a glance, students can tell how well they did and then get right back to work on refining their techniques. There’s no doubt this means more hand-on practice time and students will learn to become better painters in a shorter period of time.”

Not only is the virtual painter a boon for training, but it also makes training less expensive and more environmentally friendly. There is no need for vehicle parts, overspray and waste is simulated, parts do not require cleaning with chemicals, and no volatile organic compounds (VOCs) are released.

Northeast State also recently gathered experts from every aspect of the collision repair field together to define the duties, tasks, skills, and knowledge a new employee needs to know to perform his/her job duties.

The process - known as a Developing A Curriculum Job Analysis - took approximately six hours over a two-day period. The purpose of conducting the DACUM was to ensure the curriculum for the Automotive Body Service Technology certificate would prepare candidates to meet industry needs. The sessions were held at Northeast State at Kingsport’s Regional Center for Advanced Manufacturing.

Northeast State Business Technologies Interim Dean Danny Lawson, Advanced Technologies Interim Dean Sam Rowell, Training Specialist Cindy Tauscher, and Morelock engaged with auto body shop owners and automotive dealers during the sessions to determine the best training content for students.

“We were very pleased with the outcomes, which verified earlier work by Ernie and others to set up the curriculum to meet industry needs and standards,” Gilliam said. “Ernie’s vision for the program is to develop a Center of Excellence for the region, as there are very few training centers for auto body related programs in the state, and none in the region.”

The building is the fifth facility at Northeast State a Kingsport. Other buildings include the Kingsport Center for Higher Education, the Regional Center for Advanced Manufacturing, the Regional Center for Health Professions, and the Regional Center for Applied Technology.

Students interested in admission to the Auto Body Service Technology program may contact the Office of Admissions and Records at 800.836.7822 or e-mail admissions@NortheastState.edu.

Northeast State Automotive Service Technology Instructor Ernie Morelock demonstrates how a virtual painter simulates vehicle painting and coating.
Flex Time
Northeast State Offers Convenience with Teaching Sites and ITV Courses

Northeast State subscribes to the concept of accessibility by extending credit classes through off-campus sites and satellite facilities as part of the delivery system. As a convenience to students, off-campus classes are organized and scheduled in locations conducive to enrollment. Because of community response and local needs, off-campus courses are available during the day and evening at certain off-campus locations. To determine the availability of classes at off-campus locations, please refer to the Northeast State web page at www.NortheastState.edu/offcampus.

Courses requiring laboratories, library materials, computers and other special resources are offered off-campus if the necessary resources are provided. To facilitate this scheduling, special arrangements are made for selected courses as needed. In addition, off-campus students have on-line access to the library on the main campus. Students may also use other libraries with which the college has cooperative agreements.

Northeast State at Elizabethton
Northeast State at Elizabethton increases access to relevant educational programming at a centralized location and convenient times for the citizens of Carter, Johnson, and Unicoi counties. Day, evening, and Weekend College classes may be offered on the Elizabethton site during the fall, spring, and summer terms in varying course delivery formats. The Student Research Center is linked to the main campus library and offers access to the online catalog, the Internet, and a variety of full-text databases. The site offers a variety of courses in liberal arts, technical, and professional subjects. The Student Resource Center is linked to the automated system at the main library and offers access to the online catalog, the Internet, and a variety of full-text databases.

For more information concerning Weekend College or Hybrid courses at the Northeast State at Kingsport, call 423-323-0221 or contact Kingsport Teaching Site at http://www.kingsporthighered.org, and the Regional Center for Applied Technology at www.NortheastState.edu.

Interactive Television Courses
Interactive Televised Courses (ITV) are designed to offer students greater access to educational programs and training at on and off-campus sites. Selected courses are offered via an interactive television loop between the Blountville, Elizabethton, Kingsport, Mountain City, and Unicoi County sites.

Using this format, a single instructor may teach from a single location and interact in real time with students present in one or all of the ITV classrooms. Course content and requirements are identical to a traditional, lecture-based class. Interactive classrooms are located in L114 in the Basler Library, E116 at Northeast State in Elizabethton, KC216 at Northeast State at Kingsport, M100 at Mountain City, and UC5 at Unicoi County.

For more information about ITV courses, please refer to the Northeast State Web page at http://www.NortheastState.edu/ITVor contact 423.323.0221 or e-mail EveDistEdu@NortheastState.edu.

Northeast State at Gray
Northeast State at Gray provides a variety of educational services. This teaching site offers selected academic credit classes and houses various special projects offices. For more information call the office of Evening and Distance Education at 423.323.0221.

Northeast State at Kingsport
Northeast State at Kingsport provides comprehensive educational programming at a location more convenient to the citizens of Sullivan County.

Day and evening courses may be offered during the fall, spring and summer terms in varying delivery formats at the Northeast State at Kingsport teaching site. The site offers a variety of courses in liberal arts, technical, health professions, and continuing education programs. The Student Resource Center is linked to the automated system at the main library and offers access to the online catalog, the Internet, and a variety of full-text databases.

For more information concerning Northeast State at Kingsport call the office of Evening and Distance Education at 423.323.0221 or contact the Kingsport Center for Higher Education, Regional Center for Health-Professions or Regional Center for Advanced Manufacturing at http://www.kingsporthighered.org, and the Regional Center for Applied Technology at www.NortheastState.edu.

Weekend College and Hybrid courses offer convenience

The Weekend College Program is designed to provide a variety of credit and professional developmental programs for working adult students. Courses are provided using both traditional and alternative delivery formats including: accelerated studies courses, Internet, telecourses, and traditional three-hour block classes. Through the Weekend College program students may earn up to 12 hours of credit per semester toward degree/certificate completion. Classes are conveniently offered on Friday evenings, Saturdays and Sunday afternoons to accommodate the working or non-traditional adult student.

Fast-paced modern life requires a lot of personal flexibility. That’s why Hybrid courses offered at Northeast State provide an excellent means for busy students to fit college work into their busy schedules. College-credit Hybrid courses combine online course work while providing students more time in class with the instructor.

For more information on Hybrid courses, call the Office of Evening and Distance Education 423.323.0221 or e-mail EveDistEdu@NortheastState.edu. Students are encouraged to refer to the semester Weekend College schedule and the Hybrid course schedule for specific course offerings.
Math may be a four-letter word, but an appropriate one in any setting. The mathematics faculty at Northeast State Community College spent months redesigning courses and creating a textbook to improve learning outcomes for students who need to refresh their math skills prior to taking a college-level course.

“In these courses students will focus on math topics specific to their major,” said Nancy Forrester, dean of the Mathematics Division at Northeast State.

Students who score less than 19 on the Math section of the ACT college placement exam are required either to pass the COMPASS test for the subject-specific area or take a learning support course to prepare them for college-level coursework. A second placement test called MyMathTest administered by Northeast State identifies specific areas where students need improvement.

Once the student’s needs are determined by the second placement test, he or she enrolls in the appropriate Math Learning Support course identified.

Forrester and the math faculty spent almost a year redesigning three mathematics classes into Learning Support competencies. Formerly called “developmental” classes, the new Math Learning Support divides math subjects into five one-credit hour courses with each course focusing on math topics such as percentages, fractions, algebra, and geometry.

“It is a different way of thinking for math,” said Forrester. “All five courses focus on specific math competencies that students need to master in order to enter college-level math courses.”

A critical part of the course redesign incorporates MyMathLab, an online support system which accompanies textbooks in mathematics and statistics. Instructors use MyMathLab to review and analyze students’ strengths and weaknesses by tracking their performance on tests, assignments, and tutorials, while the customizable grade book helps instructors manage results, calculate grades and plan learning strategies.

Each course is designed to last five weeks during one semester. A student’s test results are used to determine their enrollment in one, two, or all five courses. When a student grasps the concepts presented in one of the five courses, he or she demonstrates competency on the course test and moves on to the next course.

“The placement test creates a study plan that allows students to master the competency and test out of the course before enrolling. This can be a big cost savings to the student and the school,” said Forrester. “The courses are not self-paced; students have a maximum of five weeks to complete each course although they may complete it sooner. The courses are designed to keep students on target week by week.”

Instructors use MyMathLab to help monitor student performance. MyMathLab also provides 24/7 technical support and tutorial services for students struggling with problems.

The course redesign saves money for both the institution and student. The student can take more courses applying to his or her major and far fewer learning support classes. The redesign also reduces a student’s financial burden of paying for those courses.

The condensed courses also allow the academic divisions to allocate their resources of faculty and teaching space with more efficiency. The new design places a greater emphasis on the student’s success while not spreading faculty members too thin with multiple class coverage issues.

“We are optimistic that Math Learning Support will get students ready for college-level math,” said Forrester. “We have high expectations for this program.”
expectations for the students, and we feel they can fulfill those expectations through the new course structure and learning support.”

New Courses for Reading and Writing

Northeast State has streamlined a selection of new learning support courses to help students raise their reading and writing skills at Northeast State.

The new English 0870 Basic Developmental Writing class began last fall replacing two developmental writing courses previously required of students.

“It is going to be condensed in content but expanded in writing mechanics,” said William Wilson, dean of the Humanities division. “We are going to use the computer to implement how we teach the mechanics of writing such as grammar exercises and punctuation.”

Students were previously required to pass two writing courses in consecutive semesters. The new five-credit-hour ENGL 870 Writing course meets Monday through Thursday. Wilson notes that students can test out of the course and into a college-level composition class before the end of the semester to accelerate their progress into college-level work.

New students who score less than 19 on Math or Reading or below 18 in English of the ACT college placement exam are required either to pass the COMPASS test for the subject-specific area or take a learning support course to prepare them for college-level course work.

Full-time and adjunct faculty members teach developmental courses in addition to college-level courses. Faculty members understand what many incoming Northeast State students face when enrolling – approximately 70 percent of first-year students need at least one developmental class.

“Reading and writing are the fundamentals of everything a college student will do,” said Dr. Xiaoping Wang, dean of the division of Behavioral and Social Sciences.

Wang’s division piloted one of state’s first three programs redesigned for Reading in 2008. She says the redesign’s first goal sought to improve the success and retention rate for students who require learning support courses. The second goal was creating cost efficiency by reducing the number of courses the institution taught and the overall number of courses students had to take.

Wang says the pilot program has improved reading comprehension for students. The division’s Reading faculty continues to monitor the program’s success rate and the challenges faced by so many students entering college. She and her colleagues continue to review results gathered at the end of each semester to determine how well the program benefits students.

“We wanted students to improve the areas they needed continuing to review the data we get from the classes format we piloted,” she says. “The new course structure does help students, but we want to continue to improve that structure as needed.”

The new writing course earns five credit hours and unites writing practice with laboratory practice on the mechanics of writing. Wilson adds that the learning support writing classes have used computers as writing instruction tools for students for more than 15 years.

Reading and writing provide not only fundamental skills, but the methods of higher learning and critical thinking students as their college classes get more rigorous.

“When you start writing about something,” says Wilson, “you really begin to learn about it.”

“We are optimistic that Math Learning Support will get students ready for college-level math.”

Nancy Forrester,
Dean of the Mathematics Division at Northeast State
Testing 101
Center helps smooth college exam process

Northeast State’s Testing and Counseling Services administers a variety of academic and online exams such as the GED, CLEP, COMPASS, and other tests that students need to enroll in college, earn college credit, or even graduate. For some, all those acronyms may be a bit confusing, but Testing and Counseling Services is there to explain and proctor tests with a minimum of effort so students can concentrate on doing their best and achieve their goals. Often, the Testing Center is the first stop for first-time students, so the staff strives to make the testing center welcoming to make the process go as smoothly as possible.

GED
Northeast State is a state approved GED testing center. The GED test must be taken through an approved center to be valid. A GED test taken online is not valid.

The GED diploma is required for all persons who do not have a high school diploma and desire to attend a college or university or who need it to increase their career opportunities.

Currently, the GED exam is a paper and pencil test and the cost is $65. Sullivan and Johnson counties offer fee waiver assistance for residents. Director of Testing and Counseling Services Denise Walker said the GED test is transitioning from a paper test to a computer-based test and Northeast State plans to have both the current GED paper and pencil test and a computer based test available in late 2012 or early 2013. There will be several advantages to the computer-based test as students will receive their score results immediately; however the cost will be higher at $120.

Then, in January 2014, a new GED computer based test will be implemented and no longer will a paper and pencil test be available. (Individuals will still need to take the GED computer based test at an approved GED Testing Center.) According to Walker, individuals are encouraged to work toward earning their GED before the new 2014 test, especially individuals who have taken the GED exam since 2002, but did not pass. “Starting in 2014, the old test scores (from 2002 – 2013) will no longer be valid, so it’s an ideal time to get the GED now,” Walker said. “The new test may be more difficult because it will have two levels – one for high school equivalency and one for college readiness. Also, the cost will increase.”

Walker said the tests take about two hours for writing, 90 minutes for math, 80 minutes for science, 70 minutes for reading. Students do not have to take all the tests at one time and can stagger them as needed.

“We work to make the exam a very positive experience,” Walker said. “We want to ensure success, so we do everything possible to keeps things calm and organized.”

COMPASS
Degree seeking students applying for admission to Northeast State undergo placement testing in English, Reading, and Algebra to ensure that each student is academically prepared to enter his or her chosen field of study. Students with valid ACT or SAT scores may submit them to the Office of Admissions and Records, but the majority of students enrolling at Northeast State take the COMPASS test.

COMPASS is a computerized test. It is used to determine placement into either learning support or college-level classes – the exam does not determine acceptance to Northeast State. Students schedule a test date online. Testing is available during the day and evenings in Blountville and Kingsport. The test costs $5 and students receive results upon completion of the exam. Students are allowed to retake the test one time at no charge, but they must wait two weeks before retesting.

“The COMPASS test helps students to be successful,” said Walker. “Students who place into learning support courses have the opportunity to strengthen their skills and become college-ready.”

Walker encourages students to access www.NortheastState.edu/compass and take practice tests.
to become familiar with the type of questions and the format. One advantage of the COMPASS test is that it isn’t timed. “Sometimes, a timed format can be a factor,” Walker said. “Many times, students will improve on their ACT scores because they’re not stressed by a deadline.”

**CLEP**

CLEP is a credit-by-examination program accepted by most colleges and universities. Northeast State is an open test center, which means students from other colleges are welcome to take their CLEP exams at Northeast State.

CLEP examinations cover material taught in courses that most students take as requirements in the first two years of college. Colleges generally grant the same amount of credit to students earning satisfactory scores on the CLEP examination as it grants to students successfully completing that course. Northeast State does not award letter grades for CLEP examinations instead students receive a “P” for passing.

Each exam is 90 minutes long, and, except for English composition with essay, is made up primarily of multiple-choice questions; however, some exams do have fill-ins. Score reports for all examinations, except English composition with essay, are available immediately after completion of the test. Official results are mailed to students and the designated institution within two to three weeks while English Composition with Essay results may take up to six weeks.

While Northeast State offers equivalency credit for more than 25 exams, the College does not offer credit equivalency for all of the CLEP examinations. Northeast State students should check the College’s course equivalency table before scheduling an exam. Non-Northeast State students must check with their home institution for approved CLEP examinations and credit hours earned for each exam.

Testing dates may be scheduled online and each exam costs $97.00. For more information, e-mail testing@NortheastState.edu or call 423.323.0211.

“We work to make the exam a very positive experience. We want to ensure success, so we do everything possible to keeps things calm and organized.”

Denise Walker
Because of You Campaign Raises $54,000 for Scholarships

Northeast State’s recent Because of You campaign to raise scholarship dollars saw an overwhelming response from faculty and staff, raising more than $54,000 for new and existing scholarships.

Heather Cook, executive director of the Northeast State Foundation, said the campaign’s goal was to increase participation by 20 percent - a goal that was more than doubled as 56 percent of employees participated in the effort.

“Congratulations to staff and faculty for seeing the value in what they do every day,” Cook said. “More than half of our campus is supporting the main reason we are here – our students.”

The campaign ran for three weeks with individual groups and organizations each taking a day for fund-raising. Events were staged at Northeast State’s Blountville campus, as well as teaching sites in Elizabethton, Gray, and Kingsport.

The Foundation added $1,000 to the top fund-raising programs, with the overall winner, Learning Support, receiving $2,000. Learning Support’s sum total was $12,770.

“Obviously, it’s above and beyond the goals we set and we’re very excited about that,” said Northeast State President Janice Gilliam. “Now we’re ready to go out and ask for support because we have committed our own resources.

The top fund-raising programs were: Learning Support, Theatre Department, TRiO Student Support Services, Honors Program, Veterans Affairs, Alumni Program, Nursing Program, Medical Lab Technology, College Access Program, and Cardiovascular Technology.

Basler Scholarship Provides Incentive to Excel

Basler Incentive Endowed Scholarship recipient Will Saulsbury is the oldest of nine children and a product of a home school environment. He is currently in his second year at Northeast State and involved in the Council for Leadership, Advocacy, and Student Success; the Northeast State Scholars Foundation; and Student Traffic Court. He also serves as a tutor for TRiO Student Support Services.

Will says home schooling allowed for one-on-one instruction and a tailor-made curriculum, not to mention a boost in his powers of concentration.

“It’s actually paid off,” Will said. “When I’m in a noisy classroom or environment, it’s no big deal to concentrate. Actually, as crazy as you might think home school might be with six or seven kids in different grades, it wasn’t too bad. My mother knew what she was doing and she was a good teacher.”

Will was a dual enrollment student at Northeast State his senior year, which he said helped him acclimate to college life. He said he’s been well pleased with his decision to attend Northeast State.

“It’s really prepared me well not only for the next two years of college, but also for my future once I get out of college. I think community college is one of the best decisions you can make. I knew it would be good, but I didn’t know it would be this good,” Will said.

Will said the Basler Scholarship was a dream come true, allowing him to concentrate on his studies and put financial concerns away.

“It’s been a real incentive, knowing someone is paying for my school and counting on me to do well,” Will said.

After graduating from Northeast State, Will said he hopes to attend a local four-year institution and major in accounting.

“‘It’s been a real incentive, knowing someone is paying for my school and counting on me to do well.’”

Will Saulsbury
Past, Present, and Future Equals Success

By Bob Carpenter

Anyone who spends time with Northeast State alumna Mary K. Moore will come away with a number of positive impressions: She’s a professional, she’s willing to work, she loves learning, and she can hear opportunity knocking a mile way.

Recently, Moore participated in the College’s Alumni Lecture Series and talked about how a military career and a Northeast State education translated into a professional career at Eastman Chemical Company.

“The experience that you gain with every little step helps you become the person you are today,” Moore said. “I’m a little bit of every person I’ve been exposed to because every person has taught me something. Who we are today is influenced by who we interacted with in the past, and who will be depends upon who comes into our lives tomorrow.”

Moore’s journey began with a career in the United State Air Force. Not ready for college, she opted for the structure and discipline of military life – something that has served her well. Moore was a support specialist for Minuteman III missile systems, which provided hands-on experience in the fields of engineering and mechanical technology.

“It was there that I got interested in the way things worked and started asking questions. It was great learning experience – it not only included a technical education, but also an education about organization, respect, and teamwork. The best team I’ve ever been part of is in the military,” Moore said.

After almost nine years in the military, Moore moved to Tennessee with her husband. It was a critical time for Moore as she sized up her options, considering both computer science and chemistry.

“I’m not much for sitting behind a desk and a computer, so I chose chemistry and enrolled in the chemical technology program at Northeast State,” Moore said. “I knew I need more education – I didn’t want to settle for just a job and a $7-8 an hour wage.”

Moore found that her military engineering and mechanical experience matched up well with her Northeast State education.

“There was real connection between the two and they were my stepping stones to a career at Eastman Chemical Company,” Moore said. “If I hadn’t gone to Northeast State, I probably wouldn’t be working at Eastman and seeing myself as a professional.”

Moore completed her associate of applied science degree in chemical technology in 1991 and landed a job at Eastman conducting engineering processes for chemists. Moore said her career has allowed her to work with engineers and chemists. Through her work she has gained extensive experience in designing, constructing, and operating lab, bench, and pilot scale units for separation processes, organic synthesis, organic metallic chemistry, and experimental scale-ups.

“I call myself a hybrid because I get to do engineering and chemistry,” Moore said. “My career is like a hobby with a purpose – I love it – it doesn’t feel like a job.”

Moore points out that opportunity is always knocking and counsels young people to push beyond their comfort zones and find ways to grow and learn.

“If you just want to look through the window, that’s as far as you’ll get,” Moore said. “Try something new, get out of the routine, ask for new assignments – that’s where you learn and grow.”

Moore has received numerous honors during her career, including being named to the inaugural class of American Chemical Society fellows in 2009 for outstanding technical contributions to chemistry and ACS. She was the only ACS fellow in that first class that did not hold a Ph.D.

Moore has made numerous talks and presentations at elementary, middle, and high schools about science and chemistry. One of her favorite events at Eastman is National Chemistry Week when the company brings 1,400 fourth-graders on-site to learn about different types of chemistry.

“I’ve been doing it for 20 years and I love it,” Moore said. “I love seeing the excitement students have in learning how chemistry works and what it can do. It’s great seeing that passion ignited.”

Moore said she’s happy in her current role as a principal technologist, which allows her to perform a variety of tasks in chemistry and engineering, but in her typical fashion, she doesn’t rule out a change.

“Right now, I like what I do, but who knows?” Moore said. “Opportunities are always knocking at my door. I never know what tomorrow will bring.”

Mary K. Moore
instructor, educating young professionals about resume writing, job strategies, and interview skills. In addition, she has made numerous talks and presentations at elementary, middle, and high schools about science and chemistry.

CareerFocus | Spring 2012 | Mary K. Moore
Summer Courses are a Great Way to Pick Up Hours

Northeast State summer sessions are a great way to pick up credit hours in a short time. For example, a student could complete 12 credit hours and never be enrolled in more than two courses at a time.

The summer session is divided into four time frames: Intersession, first session, second session, and full session.

Intersession offers accelerated courses from May 10 – May 31 with open registration slated for May 9. The first session runs from June 4 through July 3, with open registration scheduled for May 31. The second session runs from July 5 through Aug. 8, with open registration on July 3. The full summer session runs from June 4 through Aug. 8, with open registration slated for May 31.

Students should consult with the appropriate financial aid representative to ensure that financial aid eligibility requirements can be met prior to registering for the various summer semester sessions.

For more information about summer sessions, contact the Office of Admissions and Records at 800.836.7822 or admissions@NortheastState.edu. More information about admission requirements and procedures can be found at www.NortheastState.edu/admissions.

Students should consult with the appropriate financial aid representative to ensure that financial aid eligibility requirements can be met prior to registering for the various summer semester sessions.
Your Future Awaits

At Northeast State, we’re here to get you where you want to go. Get the education you need, find the job you want, earn the money you deserve. People of all ages and backgrounds come to Northeast State to improve their lives in practical ways. There are endless possibilities with more than 80 programs of study available. Start here and you can earn an associate degree or certificate, or complete two years of courses that will transfer almost anywhere.

More than half of all Northeast State students receive financial aid, so there’s a good chance you qualify. Between Tennessee state aid, federal aid, and private scholarship, there’s a lot of help available.

Northeast State admissions, financial aid, and faculty advisors are here to guide you through the application and registration process. There is some paperwork involved, but we’re here to make sure you’ll be on your way in no time. CF

Northeast Community College A-Z

Behavioral and Social Sciences

Advertising/Public Relations

AA and AS

The university parallel program in Advertising/Public Relations is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree with a major in Advertising/Public Relations.

Broadcasting

AS

The university parallel program in Broadcasting is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree with a major in Broadcasting.

Public Safety and Justice Administration: Crime Mapping and Analysis

AAS

The Crime Mapping and Analysis program is designed to prepare individuals for a career in the field of public safety and criminal justice.

Criminal Justice

AS

The university parallel program in Criminal Justice is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree with a major in Criminal Justice.

Early Childhood Education

AAS and Certificate

The Early Childhood Education degree program is designed to prepare individuals for employment in the career fields of early childhood education, childcare, and early childhood development.

The Early Childhood Development certificate program is designed to prepare individuals to work with infant/toddlers and other pre-school-aged children and their families in a variety of childcare provider settings/agencies.

Exercise Science

AS

The university parallel program in Exercise Science is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree in Exercise Science.

Public Safety and Justice Administration: Forensic Science

AAS

The Forensic Science program is designed to prepare graduates for employment to work with a team of criminal justice personnel to collect crime scene evidence; to assist in receiving, processing, and tracking evidence; and to assist scientists in conducting forensic tests on evidence submitted to a crime laboratory for analysis.
### Behavioral and Social Sciences

#### Pre-Teacher Education: K-6

**AST**

The Associate of Science in Teaching degree program in K-6 education is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree program in K-6 education.

#### Sport and Leisure Management: Parks and Recreation Sport Management

**AS**

The university parallel program in Parks and Recreation management is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree in Parks and Recreation Management.

#### Pre-Teacher Education: Pre-K Early Childhood Education

**AS**

The university parallel program in Pre-K Early Childhood Education is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree in Pre-K Early Childhood Education.

#### Pre-Teacher Education – Physical Education

**AS**

The university parallel program in Physical Education is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree program in Physical Education.

#### Pre-Teacher Education – Secondary Education

**AS**

The university parallel program in Secondary Education is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree program in Education.

#### Pre-Teacher Education – Special Education

**AS**

The university parallel program in Special Education is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree program in Education.

#### Psychology

**AA and AS**

The university parallel program in Psychology is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree with a major in Psychology.

#### Public Safety and Justice Administration: Public Safety and Police Science

**AAS**

The Public Safety and Police Science Program is designed to prepare individuals for employment in the fields of law enforcement, public safety, or homeland security.

### Health-Related Professions

#### Cardiovascular Technology - Invasive Option

**AAS**

The Cardiovascular Technology program Invasive Option provides the general education core, program specific courses, and the clinical practicum to prepare students for a career as a Cardiovascular Technologist.

#### Cardiovascular Technology - Non-Invasive Option

**AAS**

The Cardiovascular Technology program Non-Invasive Option provides the general education core, program specific courses, and the clinical practicum for a career as a Registered Cardiac Sonographer.

#### Allied Health: Dental Assisting

**AAS and Certificate**

The Dental Assisting program provides the general education core, program specific courses, and the clinical practicum to prepare students for a career as a dental assistant.

#### Allied Health: EMT-Paramedic

**AAS and Certificate**

The EMT-Paramedic program provides the general education core, program specific courses, and the clinical practicum to prepare students for a career as a paramedic serving in the pre-hospital and in-hospital environments.

#### Speech Communication

**AA and AS**

The university parallel program in Speech Communication is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree program in Speech Communication.

#### Social Work

**AA and AS**

The university parallel program in Social Work is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree with a major in Social Work.

#### Sociology

**AA and AS**

The university parallel program in Sociology is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree program in Sociology.

#### Pre-Teacher Education: Pre-K Early Childhood Education

**AS**

The university parallel program in Pre-K Early Childhood Education is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree in Pre-K Early Childhood Education.

#### Pre-Teacher Education – Physical Education

**AS**

The university parallel program in Physical Education is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree program in Physical Education.

#### Pre-Teacher Education – Secondary Education

**AS**

The university parallel program in Secondary Education is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree program in Education.

#### Pre-Teacher Education – Special Education

**AS**

The university parallel program in Special Education is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree program in Education.

#### Psychology

**AA and AS**

The university parallel program in Psychology is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor’s degree with a major in Psychology.

#### Public Safety and Justice Administration: Public Safety and Police Science

**AAS**

The Public Safety and Police Science Program is designed to prepare individuals for employment in the fields of law enforcement, public safety, or homeland security.
Allied Health: Medical Laboratory Technology  
AAS  
The Medical Laboratory Technology program provides the general education core, program specific courses, and the clinical practicum to prepare students for careers as a Medical Laboratory Technician.

Allied Health: Surgical Technology  
AAS  
The Surgical Technology program provides the general education core, program specific courses, and the clinical practicum to prepare students for a career as a Certified Surgical Technologist.

Philosophy-Religious Studies  
AA and AS  
The university parallel degree program with an emphasis in Philosophy/Religious Studies is designed for transfer to East Tennessee State University and most other regional colleges and universities which offer a bachelor's degree program in Philosophy/Religious Studies.

Theatre  
AA and AS  
The university parallel degree program with an emphasis in Theatre is designed for transfer to East Tennessee State University and most other regional colleges and universities which offer a bachelor's degree program in Theatre.

Mathematics  
Business  
AS  
The university parallel Associate of Science degree program with emphasis in Business is designed for transfer to East Tennessee State University. Most other regional colleges and universities which offer a bachelor's degree program in Business or a related field also accept these courses.

Mathematics  
AS  
The university parallel program with emphasis in Mathematics is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Mathematics.

Pre-Engineering  
AS  
The university parallel program with emphasis in Pre-Engineering is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Engineering.

Pre-Industrial Technology  
AS  
The university parallel program with emphasis in Pre-Industrial Technology is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Industrial Technology.

Surveying and Mapping  
AS  
The university parallel program with emphasis in Surveying and Mapping is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Surveying and Mapping.

Humanities  
English  
AA  
The university parallel program in English is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in English.

General Tennessee Board of Regents Transfer  
AA and AS  
General degree program is designed for transfer to TBR Colleges and most other regional colleges and universities which offer a bachelor's degree program.

General University of Tennessee at Knoxville Transfer  
AA and AS  
General degree program is designed for transfer to the University of Tennessee - Knoxville and many other regional colleges and universities which offer a bachelor's degree program.

History  
AA and AS  
The university parallel degree program with an emphasis in History is designed for transfer to East Tennessee State University and most other regional colleges and universities which offer a bachelor's degree program in History.
Science

Biology

AS
The university parallel program in Biology is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Biology.

Pre-Cardiopulmonary Science

AS
The university parallel program in Pre-Cardiopulmonary Science is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Cardiopulmonary Science.

Chemistry

AS
The university parallel program in Chemistry is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Chemistry.

Environmental Health

AS
The university parallel program in Environmental Health is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Environmental Health.

Occupational Health

AS
The university parallel program in Occupational Health is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Occupational Health.

Pre-Occupational Therapy

AS
The university parallel program with an intent to apply for the graduate level degree in Occupational Therapy at Milligan College is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete a bachelor's degree.

Pre-Physical Therapy

AS
The university parallel program with an intent to apply for the graduate level degree in Physical Therapy at East Tennessee State University is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete a bachelor's degree.

Nursing

Nursing

AAS
The Nursing program prepares individuals to become registered nurses.

Physics

AS
The university parallel program in Physics is designed for individuals who complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Physics.

Pre-Dental Hygiene

AS
The university parallel program in Pre-Dental Hygiene is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Pre-Dental Hygiene.

Pre-Health Professions

AS
The university parallel program in pre-health professions is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree in a health-related occupations career field such as chiropractic medicine, dental hygiene, medicine, optometry, pharmacy, and physical therapy.

Pre-Nursing – ETSU

AS
The university parallel Associate of Science degree program with emphasis in Pre-Nursing is designed for transfer to East Tennessee State University and may be accepted by other regional colleges and universities which offer a bachelor's degree program in Pre-Nursing.

Pre-Nursing – King College

AS
The articulation agreement with emphasis in Pre-Nursing is accepted for transfer by King College, which offers a bachelor's degree program in the field of nursing.

Pre-Nursing – Milligan College

AS
The university parallel Associate of Science degree program with emphasis in Pre-Nursing is accepted for transfer by Milligan College, which offers a bachelor's degree program in the field of nursing.

Pre-Pharmacy

AS
The university parallel program in Pre-Pharmacy is designed for individuals who intend to complete the first two years of a degree program at Northeast State and then begin the professional pharmacy program in pursuit of the Doctor of Pharmacy degree or transfer to a four-year college or university to complete additional coursework prior to applying to Pharmacy School.
Advanced Technologies/Business Technologies

Internet and Web Development
AAS
The Internet and Web Development program concentrates on teaching the design and management of third generation web sites using the latest software and multimedia tools to position individuals at the leading edge of Internet and E-commerce technologies.

Networking Systems
AAS
The Networking Systems program is designed to prepare individuals for employment as computer network technicians, network and cable installers, and network administrators in a Microsoft networking environment.

Personal Computer Management
AAS
The Personal Computer Management program is designed to prepare individuals to set up and network personal computer equipment, install software and hardware, and analyze/correct problems encountered by computer users.

Electrical Technology - Electrical
AAS
The Electrical program prepares individuals for employment as electricians in residential, commercial, and industrial settings.

Electrical Technology - Electromechanical
AAS
The Electromechanical program prepares individuals for employment in electrical and mechanical maintenance fields as entry level maintenance technicians.

General Technology
AAS
The General Technology program is designed for students who wish to complete a two-year degree applicable to immediate employment.

Industrial Technology – Automotive Service
AAS
The Automotive Service program prepares individuals as automotive technicians and as automotive service center managers.

Industrial Technology - Auto Body Service
Certificate
The Auto Body Service program prepares individuals with knowledge and skills that will enable them to repair a modern automobile that has been involved in a major or minor collision.

Chemical Process Operations
Certificate
The Chemical Process Operations certificate program includes courses that prepare individuals for employment in chemical or related industries.

Computer-Aided Drafting
Certificate
The Computer-Aided Drafting academic certificate prepares individuals for possible employment as a detail drafter or drafting design apprentice in the manufacturing or industrial environment, construction field assistant, production process apprentice, or an entry-level position in estimating and procurement.

Computer and Information Sciences - Computer Programming
AAS
The Computer Programming degree program is designed to prepare individuals for employment as computer programmers, programming assistants, maintenance programmers, and related positions in the information technology career field.

Construction Electricity
Certificate
The Construction Electricity certificate program prepares individuals for employment in areas of residential, industrial, and commercial wiring.

Business Management – Accounting Technology
Certificate
The Accounting Technology certificate program prepares individuals to perform accounting functions and enhances the skills and abilities of persons currently employed in this career field.

Business Management – Accounting
AAS
The Accounting program prepares individuals for employment in corporate accounting positions and in firms which provide accounting services and enhances the skills and abilities of persons currently employed in this career field.

Business Management – Management
AAS
The Management program prepares individuals for positions in large-scale business, industrial, and governmental organizations and enhances the skills of individuals currently employed in these organizations.

Business Management – Small Business Management
AAS
The Small Business Management program prepares individuals for small business management positions and enhances the practical skills and abilities of small business owners and managers.

Business Management – Management
AAS
The Management program prepares individuals for positions in large-scale business, industrial, and governmental organizations and enhances the skills of individuals currently employed in these organizations.

Chemical Process Operations*
Certificate
The Chemical Process Operations certificate program includes courses that prepare individuals for employment in chemical or related industries.

Computer-Aided Drafting*
Certificate
The Computer-Aided Drafting academic certificate prepares individuals for possible employment as a detail drafter or drafting design apprentice in the manufacturing or industrial environment, construction field assistant, production process apprentice, or an entry-level position in estimating and procurement.

Computer and Information Sciences - Computer Programming
AAS
The Computer Programming degree program is designed to prepare individuals for employment as computer programmers, programming assistants, maintenance programmers, and related positions in the information technology career field.

Construction Electricity*
Certificate
The Construction Electricity certificate program prepares individuals for employment in areas of residential, industrial, and commercial wiring.

Business Management – Accounting
AAS
The Accounting program prepares individuals for employment in corporate accounting positions and in firms which provide accounting services and enhances the skills and abilities of persons currently employed in this career field.

Business Management – Management
AAS
The Management program prepares individuals for positions in large-scale business, industrial, and governmental organizations and enhances the skills of individuals currently employed in these organizations.

Business Management – Small Business Management
AAS
The Small Business Management program prepares individuals for small business management positions and enhances the practical skills and abilities of small business owners and managers.
Advanced Technologies/Business Technologies

Industrial Technology – Combination Welding*
Certificate
The Combination Welding technical certificate program is designed to prepare individuals for employment as welders in an industrial setting.

Industrial Technology – Industrial Drafting Design
The Industrial Drafting Design program prepares individuals for employment as industrial design drafters and engineering technicians in specific disciplines. The curriculum incorporates guidelines developed by the American National Standards Institute, American Institute of Steel Construction, American Society of Mechanical Engineers, and ISO (International Standards Organization).

Industrial Technology – HVAC*
Certificate
The Heating, Ventilation, and Air Conditioning (HVAC) Certificate program prepares individuals for positions in the Heating, Ventilation, and Air Conditioning industry. Instruction is provided in the maintenance, troubleshooting, and installation of HVAC equipment.

Industrial Technology – Machine Tool
AAS
The Machine Tool program prepares individuals for employment in an industrial setting as machinists and computer numerical control (CNC) programmer/operators.

Industrial Technology – Machine Tool Operations*
Certificate
The Machine Tool Operations certificate program prepares individuals as machinists capable of reading blueprints and operating precision measuring instruments, metal turning lathes, milling machines, and computer numerical control (CNC) equipment.

Industrial Technology – Manufacturing
AAS
The Manufacturing program prepares individuals to function effectively in technical/management positions in an industrial environment.
$45,920

Industrial Technology – Mechanical
AAS
The Mechanical program prepares individuals for positions in heating, ventilation, air conditioning (HVAC), and industrial maintenance career fields.
$31,140

Industrial Technology – Motor Sports
AAS
The Motor Sports program prepares individuals for employment in the motor sports automotive service industry as an entry-level technician.

Industrial Technology – Welding and Metal Fabrication
AAS
The Welding/Metal Fabrication program prepares individuals as welders or metal fabricators.

Office Administration Technology – General
The General Office program prepares individuals for employment as secretaries, office managers, or administrative assistants in a general office setting.

Office Administration Technology – Legal
The Legal Office program prepares individuals for employment as secretaries, office managers, or administrative assistants in law enforcement offices, courts, or legal offices.

Office Administration Technology – Medical
The Medical Office program prepares individuals for employment as insurance clerks, patient account representatives, medical transcriptionists, medical secretaries, or medical office assistants.

Office Technology*
Certificate
The Office Technology technical certificate program prepares individuals for entry-level duties in technology-intensive office environments.

Computer Science and Information Technology
AS
The university parallel program in Computer Science and Information Technology – is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Computer Science.

Manufacturing Technology
AS
The university parallel program in Manufacturing Technology is designed for individuals who intend to complete the first two years of a baccalaureate degree program at Northeast State and then transfer to a four-year college or university to complete the bachelor's degree with a major in Manufacturing Technology.

*Note for selected certificates: For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at, http://www.northeaststate.edu/default.asp?DocumentID=2610.
EVERYTHING YOU EXPECT FROM A COLLEGE. EXCEPT THE HIGH COST. With an excellent reputation and more than 80 programs of study, Northeast State has everything you’re looking for. You can complete the first two years of a four-year degree and transfer to the school of your choice, or enter one of our high-tech programs and join the workforce right away. Either way, it’s a smart move. While you’re here, enjoy a beautiful campus life, state-of-the-art facilities, and convenient online courses. Why wait to start on a great career? Call today.

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