

# NCST

## NEW CASTLE SCHOOL OF TRADES

4117 PULASKI ROAD  
NEW CASTLE, PENNSYLVANIA 16101  
PHONE 724-964-8811

TOLL FREE 1-800-837-8299

FAX 724-202-6147

For Program Consumer Information go to:  
[www.ncstrades.edu](http://www.ncstrades.edu)



# SCHOOL CATALOG

## 2020

# NCST

## NEW CASTLE SCHOOL OF TRADES SATELLITE LOCATION

4164 US 422  
PULASKI, PENNSYLVANIA 16143  
PHONE 724-964-8813  
TOLL FREE 1-800-837-8299

FAX 724-964-8177

For Program Consumer Information go to:  
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*"Teaching America's Trades Since 1945"*

# ACCSC

Accrediting Commission of Career Schools and Colleges



*GENERAL INFORMATION* ..... 3

    A MESSAGE FROM THE PRESIDENT ..... 3

    HISTORY ..... 4

    LOCATIONS ..... 4

    FACILITIES ..... 5

    MAP ..... 6

*ADMISSION POLICIES AND PROCEDURES* ..... 7

    ADMISSIONS PROCEDURES ..... 7

    STEPS TO ENROLLMENT ..... 7

    LATE ADMISSIONS ..... 7

    RE-ADMISSION ..... 8

    TRANSFER OF CREDIT ..... 8

    STATEMENT OF CREDIT TRANSFER TO OTHER INSTITUTIONS ..... 8

    UNIFORM ARBITRATION ACT ..... 8

    STATEMENT OF NON-DISCRIMINATION ..... 8

*STUDENT SERVICES* ..... 10

    GRADUATE CAREER SERVICES ..... 10

    HOUSING ..... 10

    INFORMATION RESOURCE CENTER (IRC) ..... 10

    HEALTH, SECURITY AND SAFETY ..... 10

    ADDITIONAL STUDENT SERVICES ..... 11

*ADMINISTRATIVE POLICIES AND PROCEDURES* ..... 13

    HARASSMENT DEFINED ..... 13

    SEXUAL HARASSMENT ..... 13

    HARASSMENT & NONDISCRIMINATION POLICY ..... 13

    REPORTING VIOLATIONS; FILING COMPLAINTS ..... 14

    RIGHTS DURING COMPLAINT PROCEDURE ..... 15

    STUDENT PRIVACY AND FERPA POLICY ..... 16

    CANCELLATION OF CLASSES ..... 18

    CURRICULUM REVISIONS ..... 19

    TOBACCO USAGE POLICY ..... 19

    HEALTH/MEDICAL CARE ..... 19

    DRESS CODE ..... 19

    HARDSHIP WITHDRAWAL ..... 20

    VOLUNTARY PREPAYMENT PLAN ..... 20

    PAYMENT POLICIES ..... 20

    FINANCIAL OBLIGATIONS ..... 20

    ADDITIONAL FEES ..... 21

    STUDENT COMPLAINT/GRIEVANCE PROCEDURE ..... 21

*FINANCIAL SERVICES* ..... 22

    ELIGIBILITY ..... 22

    FEDERAL PELL GRANT ..... 22

    FEDERAL SUPPLEMENTAL EDUCATION OPPORTUNITY GRANT (FSEOG) ..... 22

    PENNSYLVANIA HIGHER EDUCATION ASSISTANCE AGENCY (PHEAA) GRANTS ..... 23

    SUBSIDIZED FEDERAL DIRECT LOAN ..... 23

    UNSUBSIDIZED FEDERAL DIRECT LOAN ..... 23

    DIRECT STUDENT LOANS MAXIMUM ELIGIBILITY PERIOD ..... 24

    PARENT PLUS FEDERAL LOAN ..... 24

STATE AND LOCAL AID, SCHOOL AID, AND OTHER PRIVATE AID PROGRAMS .....	25
OTHER STATE AND FEDERAL PROGRAMS .....	25
APPLYING FOR FEDERAL STUDENT FINANCIAL AID.....	25
CRITERIA FOR SELECTING STATE GRANT (PHEAA) RECIPIENTS .....	26
METHODS OF DISTRIBUTING AID AMONG STUDENTS .....	27
NEW CASTLE SCHOOL OF TRADES CODE OF CONDUCT FOR FINANCIAL AID OFFICE .....	32
FINANCIAL AID CONSUMER INFORMATION .....	33
PREVENTION OF FINANCIAL AID/SCHOLARSHIP FRAUD .....	33
ALTERNATIVE LOAN PROGRAM .....	34
VETERANS EDUCATIONAL BENEFITS.....	35
THE PRINCIPLES OF EXCELLENCE PROGRAM.....	35
WITHDRAWAL REFUND AND REPAYMENT POLICY .....	36
REFUND POLICY .....	36
<i>ACADEMIC POLICIES</i> .....	39
CLASS SCHEDULING .....	39
COURSE SIZES .....	39
DEFINITION OF TERMS .....	40
STUDENT PROGRESS REPORTS .....	40
GRADING SYSTEM.....	41
SATISFACTORY ACADEMIC PROGRESS .....	41
GRADUATION REQUIREMENTS .....	45
STUDENT AWARDS.....	45
ATTENDANCE POLICY .....	46
WITHDRAWAL AND TERMINATION .....	47
PROGRAM CHANGES.....	47
PROGRAM ADVISORY COMMITTEES .....	47
HOMEWORK .....	47
REQUESTING ACCOMMODATIONS .....	47
COPYRIGHT INFRINGEMENT/NETWORK USE POLICY .....	48
<i>STUDENT CONDUCT AND DISCIPLINE</i> .....	50
<i>PROGRAMS OF STUDY</i> .....	53
GENERAL INFORMATION .....	53
AUTOMOTIVE TECHNOLOGY .....	55
BUILDING TECHNOLOGY.....	56
DIESEL & HEAVY EQUIPMENT REPAIR TECHNOLOGY.....	57
ELECTRICAL TECHNOLOGY .....	58
INDUSTRIAL ELECTRO-MECHANICAL TECHNOLOGY .....	59
MACHINIST TECHNOLOGY .....	60
MOTORCYCLE & POWER EQUIPMENT TECHNOLOGY.....	61
REFRIGERATION & A/C TECHNOLOGY.....	62
COMBINATION WELDING.....	63
COMMERCIAL TRUCK DRIVING.....	64
HEAVY EQUIPMENT OPERATIONS WITH COMMERCIAL TRUCK DRIVING .....	65
COURSE DESCRIPTIONS.....	66
SCHOOL CALENDAR .....	80
TUITION AND FEES SCHEDULE .....	82

# **NEW CASTLE SCHOOL OF TRADES DIVISION OF EDUCATIONAL ENTERPRISES, INC.**

## **Approved for**

The Training of Eligible Veterans  
Licensed by  
the Pennsylvania State Board of Private Licensed Schools  
Pennsylvania Department of Education Harrisburg, PA

## **Approved by**

State Board of Proprietary School Registration State of Ohio  
Reg. #1226 Ohio State Board of Career Colleges and Schools

## **Accredited by**

The Accrediting Commission of Career Schools and Colleges

## **Member of**

Greater New Castle Chamber of Commerce  
Better Business Bureau of Western Pennsylvania  
Pennsylvania Association of Student Financial Aid  
Pennsylvania Manufacturer's Association  
Career College Association  
Manufacturer's Association of Western Pennsylvania  
Pennsylvania Association of Private School Administrators  
Home Builders/Remodelers Association of Mahoning Valley  
Air Conditioning Contractors of America  
American Welding Society  
Mercer County Home Builders Association  
Lawrence County Home Builders Association  
NATE Testing Organization  
Lawrence County Economic Development Corporation  
Alpha Beta Kappa Honor Society

## **Statement of Control**

New Castle School of Trades is wholly owned by Educational  
Enterprises, Inc.

The corporate officers are  
President - Rex Spaulding; Vice President - Crystal Henry  
Treasurer - Joyce Henry; Secretary - Wesley J. Henry



# GENERAL INFORMATION

## A MESSAGE FROM THE PRESIDENT

There are very few decisions in your lifetime that are more important than the decision to enhance your skills.

Since 1945, New Castle School of Trades has served the needs of our community and the needs of our graduates by matching skills. Emphasis is placed on Attitude, Attendance, Appearance, Academics, and Accountability. These “Five A’s” are the guiding principles that lead to the success of our graduates.

Our training programs are designed to enhance your talent and provide the most direct route to your new career. The programs are practical and intense. They result in the attainment of viable measurable skills- skills you can use from the very first day of your career!

We invite you to let us show you our commitment to helping you realize your dream.



Rex Spaulding, President  
New Castle School of Trades

## SCHOOL PHILOSOPHY

*It is our philosophy to service with excellence the needs of our community and the needs of our graduates by matching skills. Our training programs are kept practical, intense and results oriented in the attainment of viable measurable skills. Skills you can use!*

## HISTORY

The New Castle School of Trades was founded in 1945 and has become a multipurpose technical and trade institution. Over the years, the school has moved from the era of educating competent tradesmen, through the phase of the more sophisticated and innovative craftsman, to today's highly skilled technicians.

In 1954, with the growing number of enrollments, the school outgrew its original location in New Castle and moved to Route 422 in Pulaski, PA.

During January 1973, the school was accredited by the Accrediting Commission of the National Association of Trade and Technical Schools, (ACCSC, formerly NATTS), Washington, D.C. and in 1982, the school was approved by the Pennsylvania Department of Education to award the Associate in Specialized Technology Degree in the Electrical Technology program. The latest Associate in Specialized Technology Degree programs offered at the school are Automotive Technology, Machinist Technology, Refrigeration & A/C Technology, Building Technology, Industrial Electro-Mechanical Technology and Diesel, Heavy Equipment Repair Technology and Motorcycle & Power Equipment Technology.

Along with the Associate in Specialized Technology Degree programs, diploma programs are offered in: Combination Welding, Commercial Truck Driving, and Heavy Equipment Operations with Commercial Truck Driving.

In November 1988, the school was acquired by EFC Trade, Inc. Today, as throughout sixty plus years of operation, the programs continue to practice "hands-on" training and have produced thousands of qualified graduates for successful employment in business and industry.

In July of 2011 the school moved to a new 93,000 square foot facility approximately 6 miles east of the previous facility. The school moved eight of the ten programs: Automotive Technology, Electrical Technology, Building Technology, Refrigeration & A/C Technology, Machinist Technology, Combination Welding, Commercial & Industrial Maintenance, and Construction Trades. Commercial Truck Driving, Heavy Equipment Operations with Commercial Truck Driving, and Diesel, Heavy Equipment Repair & Generator Technology remained at the old school, which is now the Satellite Location. In 2016 the school opened a branch campus in East Liverpool, Ohio offering Combination Welding, Industrial Maintenance, and Refrigeration & Climate Control.

## LOCATIONS

- The Main Campus is located at 4117 Pulaski Road New Castle, PA 16101– seven miles east of the Ohio-Pennsylvania border- one block off of US Route 422.
- The Satellite facility is located at 4164 US 422 Pulaski, PA 16143 – one mile East of the Ohio-Pennsylvania border on US Route 422.
- The New Castle School of Trades – East Liverpool Campus is located at: 129 East 5th Street, East Liverpool, Ohio 43920.



## FACILITIES

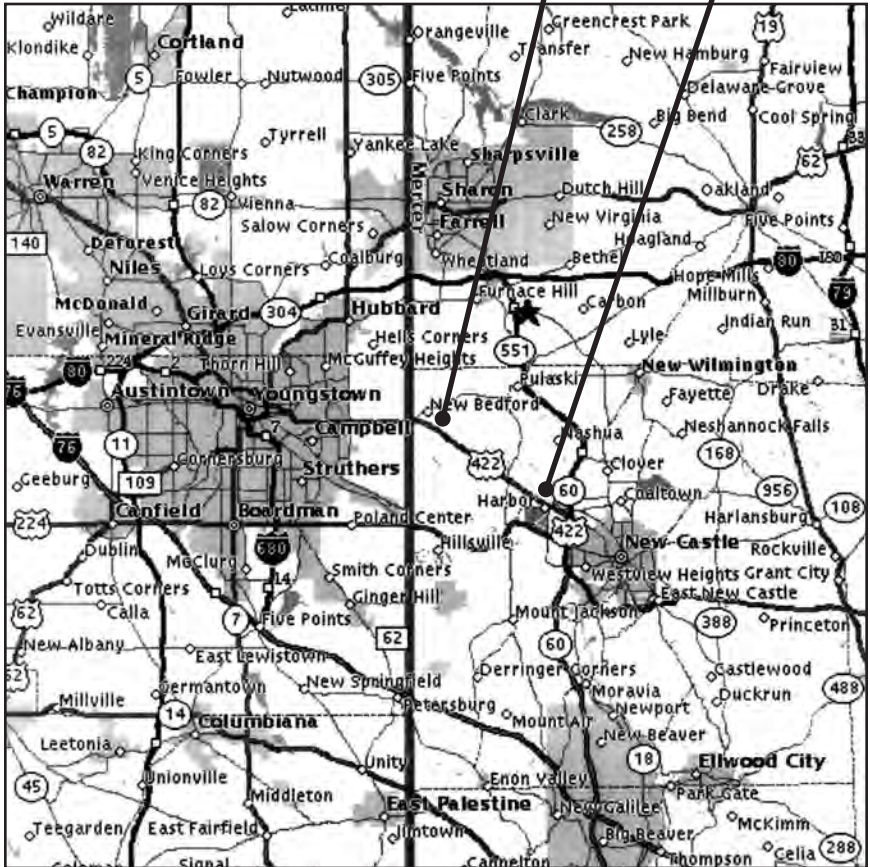
The New Castle school main facility is housed in a brick and block building with approximately 93,000 square feet of floor space. The school is divided into specific shop, classroom, lab and office areas. There are 12 classrooms, one computer lab, library, and each program has its own shop/lab area equipped with tools and equipment. In addition, there are advising and career service offices, administrative offices, a student cafeteria, and break areas. Parking is available on school property at no charge to the students. There are designated handicapped parking spots and the building is ADA compliant.

The New Castle School of Trades Satellite Facility is housed in a brick and block building with approximately 50,000 square feet of floor space divided into departments. In addition to the lab areas, there are 7 classrooms with seating capacities of 20-40 students each. All training areas are equipped with applicable tools and equipment. In addition, there are administrative offices, a reference library, and a break area. Parking is available adjacent to the school. Classroom and shop areas located on the first floor are readily accessible to handicapped students. Parking spaces are also reserved for the handicapped.

The New Castle School of Trades, East Liverpool branch is housed in a renovated brick building with approximately 50,000 square feet. The first and second floors are divided into labs, classrooms, a learning resource center, and offices. There are six classrooms with seating capacities of 24 – 40 students each. All training areas are equipped with applicable tools and equipment. Parking is available behind the school and includes designated handicapped spaces. The building is equipped with an elevator and is handicap accessible.

**NEW CASTLE  
SCHOOL OF TRADES**

**NCST  
SATELLITE LOCATION**



# ADMISSION POLICIES AND PROCEDURES

## ADMISSIONS PROCEDURES

Applicants who possess a high school diploma or General Equivalence Diploma must pass an entrance evaluation. For all programs the minimum evaluation score is 75. The Machinist Technology program requires the applicant to complete a math placement assessment in addition to the entrance evaluation. Applicants must also demonstrate, through a personal interview, the desire to complete the course and benefit from the training.

The New Castle School of Trades Representatives who enroll students will make a sound appraisal of the prospective enrollee through a personal interview.

The school makes the final decision on all applicants based on the information submitted on the applicant's qualification form, tests results and the representative's recommendation. Applicants must have the willingness to work within the school policies and procedures. Applicants for the Commercial Truck Driving Program, Heavy Equipment Operations with Commercial Truck Driving, and Diesel & Heavy Equipment Repair Technology must hold a current driver's license, obtain a CDL (Commercial Driver's License) permit, possess an acceptable driving record from the Motor Vehicle Administration, pass a physical and pass a drug screen.

## STEPS TO ENROLLMENT

- Applicant fills out Enrollment Information Sheet
- Applicant views school's Informational Video
- Applicant takes enrollment evaluation
- Applicant is interviewed by Admissions Representative
- Applicant visits and tours school
- Applicant fills out Enrollment Paperwork (enrollment occurs in school)
- Applicant pays registration fee
- Applicant is interviewed by Financial Aid
- Applicant receives a copy of School Catalog
- Applicant accepts/rejects Enrollment Agreement

## LATE ADMISSIONS

New students may enter class no later than the third day of the quarter. Applicants taken after the third day will be eligible for the next quarter.

## **RE-ADMISSION**

Students who have been forced to interrupt their education for any reason may request reinstatement by contacting the Director of Admissions. Re-entry will be determined after a review of the student's transcript, attendance, financial, and disciplinary records.

## **TRANSFER OF CREDIT**

Transfer credits from an accredited school, college or university to New Castle School of Trades is considered on an individual basis. To be considered for transfer credit, the student must supply an official copy of his/her transcript along with a copy of the course description(s). Transfer credits may be granted if:

- The course taken was successfully completed with a grade of "B" or better.
- The credits were earned with the last five (5) years.
- The course is similar in objectives and content to those offered at the New Castle School of Trades.

Submissions should be made within thirty (30) days from the date of enrollment at New Castle School of Trades. There is no legally enforceable right for a student to require New Castle School of Trades to accept a transfer of credit from another educational institution. The receiving institution, rather than the training institution, decides whether to accept credits for transfer.

## **STATEMENT OF CREDIT TRANSFER TO OTHER INSTITUTIONS**

The New Castle School of Trades offers training designed for employment in designated fields of study. The training curriculum is not designed with regard to credits being transferable to other institutions of learning. Therefore, the New Castle School of Trades makes no presumptions that credits earned may be transferable to other schools.

## **STATEMENT OF NON-DISCRIMINATION**

New Castle School of Trades does not discriminate on the basis of sex, age, disability, race, color, national origin, ancestry, creed, religion or sexual orientation in its admissions to or treatment in its programs or activities, including advertising, training, placement and employment.

The Director of Education is the Compliance Officer of the Title IX – the Educational Amendments Act of 1972, which prohibits discrimination on the basis of sex in any education program or activity receiving federal financial assistance; The Americans with Disabilities Act of 1990; Section 504 of the Rehabilitation Act of 1973; The Age Act; and all other nondiscrimination statutes and regulations.

The Compliance Officer is the individual that ensures the school acts in compliance with laws and regulations regarding discrimination. The Director of

Education may be reached by phone at 1-800-837-8299 or mail at New Castle School of Trades, 4117 Pulaski Road New Castle, PA, 16101.

The New Castle School of Trades shall make reasonable accommodations for identified physical and mental impairments that constitute disabilities, consistent with the requirements of federal and state regulations and laws

Harassment and discrimination are prohibited under New Castle School of Trades policy. The school encourages employees, students and third parties who have been subject to harassment or discrimination to immediately report incidents to designated employees. The New Castle School of Trades will investigate complaints promptly and corrective action will be taken when allegations are substantiated.

The school assures that any investigation will be conducted in an impartial manner, including an impartial decision maker.

No retaliation or reprisals may be taken against an individual for filing a complaint or reporting discrimination under good faith or against any person providing truthful information as a witness in an investigation or related proceeding. Reprisal or retaliation is in itself unlawful discrimination and constitutes an independent violation of this policy.

# STUDENT SERVICES

## GRADUATE CAREER SERVICES

From the time a student enrolls at New Castle School of Trades, the primary emphasis is on employability and success in the professional work world. The success of the graduates in the work place is the primary reason most students select a specialized career school.

No ethical school can guarantee employment. Employment success is greatly influenced by the student's attendance record, academic performance, previous employment history/record and overall attitude.

The New Castle School of Trades qualified staff offers students the following career services: Professional development advising, assistance with employment applications and resumes, cover letters, extending invitations to prospective employers and contacting potential employers.

Student Responsibilities - While the Career Services staff works diligently to assure that every student has employment opportunities, it is the belief of the school that securing employment is ultimately the responsibility of the student.

The goal of the school is to train the student in job search and interview techniques that will be of assistance to the student throughout his/her lifetime.

## HOUSING

Students who are relocating and must arrange their own housing may request additional assistance from the Admissions Department.

## INFORMATION RESOURCE CENTER (IRC)

The Information Resource Center (IRC) at New Castle School of Trades operates in support of the programs offered by the school. The Information Resource Center offers personal computers with internet access along with other computerized resource materials. An extensive collection of books, periodicals, and multimedia materials exist to contribute to the student's education experience.

The IRC is open 7:30 until 9:00 Monday through Thursday and 7:30 until 4:00 on Friday

## HEALTH, SECURITY AND SAFETY

The school strives to provide its students with a secure and safe environment. Classrooms, laboratories, and shops comply with the requirements of the various Federal, State, and local building codes, and the Board of Health and Fire Marshal regulations.

Students are responsible for their own security and safety both on-campus and

off-campus, and must be considerate of the security and safety of others. The school has no responsibility or obligation whatsoever for any student's personal belongings, including school issued books and tools, that are lost, stolen, or damaged, whether on or off school premises or during any school activities. The school has no responsibility or obligation whatsoever with respect to any altercations or disputes between students, whether on or off the school's premises or for any damages or injuries arising therefrom. Students should immediately report any medical, criminal, or other emergency occurring on the school premises to the School Director or Director of Education. Upon receipt of any report of a medical or criminal emergency, the school will, on behalf of the student, obtain the services of medical or security professionals, as required. As part of any medical or alleged criminal activity, the school reserves the right to search a student's locker. Following a criminal emergency, the school may require the reporting student to confirm in writing the details of the criminal emergency reported. Students are encouraged to promptly and accurately report all crimes to school officials and the appropriate police agencies.

The school issues a Security Policies and Crime Statistics Report on an annual basis. This report discloses information about this school's campus security policies and procedures, and statistics concerning the number of certain crimes that may have taken place on campus. This information is available at [www.ncstrades.edu](http://www.ncstrades.edu). Students may obtain a printed copy of the report from the School Director.

## **ADDITIONAL STUDENT SERVICES**

### **Transportation Assistance**

The school maintains information on students interested in carpooling. Transportation to and from school is the student's responsibility.

### **Parking**

Ample parking is available for all students. Only cars with handicapped license plates or permits may use handicapped spaces. Cars without permits or parked in these spaces may be towed or ticketed at the owner's expense.

### **Field Trips**

New Castle School of Trades believes that training is enriched by observing real-life applications. When appropriate, visits are arranged to industrial or professional locations.

### **Special Lectures**

Guest lecturers are invited to speak to students about career opportunities and current industry applications of educational programs.

### **Drug Abuse Prevention**

Referral to an off-site drug abuse prevention program is available to any officer, employee, or student of New Castle School of Trades. Referral to the appropriate program will be made by the School Director or their designee.

## **Tutoring**

A student who feels he/she is having difficulty with a course is urged to request assistance from his/her instructor or department head. Additionally, an instructor or tutor can be available for consultation on weekdays, after or before hours.

## **Make-Up Time/Work**

There will be no make-up time for hours missed. Students may make up work at the discretion of the instructor.

## **Services for Disabled Students**

New Castle School of Trades (NCST) prohibits unlawful discrimination against qualified students with disabilities and encourages their full participation within the NCST community. All faculty, staff, and administrators will actively support students with disabilities in all education programs and activities, in cases where such support is readily achievable and is not an undue burden.

The New Castle School of Trades policy, in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, defines a qualified student with a disability as “any person who is regarded as having such an impairment, and (a) who meets the academic and technical standards requisite for admission to or participation in the school’s programs, and (b) who has a documented physical or mental impairment that substantially limits one or more major life activities.



# ADMINISTRATIVE POLICIES AND PROCEDURES

## HARASSMENT DEFINED

Harassment consists of verbal, written, graphic or physical conduct relating to a person's race, color, national origin, ancestry, gender, age disability/handicap, sexual orientation, religion, creed or any other legally protected classification when such conduct:

- Is sufficiently severe, persistent or pervasive that it affects an individual's ability to participate in or benefit from an educational program or activity or to perform job functions; or it creates an intimidating, threatening or abusive educational or work environment.
- Has the purpose or effect of substantially or unreasonably interfering with an individual's academic or work performance.
- Otherwise adversely affects an individual's learning or employment opportunities.

## SEXUAL HARASSMENT

Sexual harassment consists of unwelcome sexual advances, requesting or demanding sexual favors, displaying or distributing sexually offensive materials and other inappropriate verbal, written, graphic or physical conduct of a sexual nature when:

- Submission to such contact is made explicitly or implicitly a term or condition of a student's academic status or an individual's employment.
- Submission to or rejection of such conduct is used as the basis for academic or employment decisions affecting the individual.
- Such conduct deprives a student of educational aid, benefits, services and treatment.
- Such conduct is sufficiently severe, persistent or pervasive that it has the purpose or effect of substantially interfering with a student's school performance or employee's job performance; or creating an intimidating, hostile or offensive educational or working environment.

## HARASSMENT & NONDISCRIMINATION POLICY

This policy covers, without limitation, harassment by a student to another student, a student to an employee, an employee to a student, an employee to an employee, a third party to a student or employee, a student or employee to a third party, a male to male, a female to female, a male to female, a female to male.

The school's Human Resource Director is designated as the Coordinator and The School's Director of Education is designated as the Compliance Officer to both serve as the Coordinator and Compliance Officer for purposes of Title IX of the Educational Amendments Act of 1972, the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973 and all other nondiscrimination statutes and regulations.

The Compliance Officer oversees the school's policies and actions regarding harassment and discrimination. The Coordinator assists in communicating the policies and in taking action in the event of a complaint. Both the Officer and Coordinator accept and respond to complaints. Therefore, a complaint may be made with either individual. In the event that a complaint is against the Compliance Officer it should be made to the Coordinator if against the Coordinator than it should be made to the Compliance Officer.

## REPORTING VIOLATIONS; FILING COMPLAINTS

A student, employee or third party who believes he or she has been subject to conduct violating the New Castle School of Trades nondiscrimination and harassment policy is encouraged to promptly report the incident to the Director of Education. A student may report the incident to an administrator, department chairperson or instructor.

A school employee who has been notified or suspects a student has been subject to conduct which constitutes a violation this policy should notify the Director of Education of the incident immediately and no later than twenty-four hours unless mitigating circumstances exist and justify a reasonable extension of the timeline.

If it is not possible to contact the Director of Education in a timely manner or in the event the complaint is against the Director of Education, the School Director should be notified. The School Director or Director of Education may be reached by telephone at 1-800-837-8299 or mailed at New Castle School of Trades, 4117 Pulaski Road New Castle, PA 16101.

All complaints by a student, employee or third party who asserts to have been subject to conduct violating this policy may be made in writing on the **Form for Complaint of Discrimination or Harassment** available in the school's Education Office. If the incident was reported verbally the Director of Education shall inform the student, employee or third party of the right to file a complaint, the complaint procedure and provide the Form for Complaint of Discrimination or Harassment as well as assist the complainant to file an appropriate written complaint if he/she so desires. If the complainant does not choose to file a written complaint, verbal complaints of discrimination or harassment will also be accepted by New Castle School of Trades.

Complaints shall be filed within thirty calendar days of an incident or they may be deemed untimely. Filings occurring after thirty calendar days due to mitigating circumstances which justify a later filing shall be considered.

Even if no written complaint has been filed by or on behalf of a person who believes a violation of this policy has occurred, the Director of Education or School Director will conduct an informal investigation upon receiving a report of possible violation. The Director will change the victims academic or employment situation if changes are requested by the victim and reasonably available in order to prevent further violations during the period before completion of any informal and formal procedures.

If an informal investigation suggests that a violation of this policy has occurred, the Compliance Officer (Director of Education) shall review the available information and conduct such further investigation as he/she deems appropriate. If the Director of Education concludes that a violation of this policy exists, prompt and corrective action will be taken to ensure that conduct violating this policy ceases and will not reoccur. The Director of Education shall initiate what disciplinary procedures he/she deems appropriate.

## **RIGHTS DURING COMPLAINT PROCEDURE**

While conducting an investigation of a complaint regarding harassment or discrimination and until the conclusion of the procedure, the Director of Education shall be responsible to:

- Permit an employee or student to be accompanied by a representative at any conference, meeting or hearing pertaining to the investigation.
- Provide the opportunity for both the complainant and the accused to present witnesses and evidence.
- Take necessary actions reasonably calculated to prevent any other violations of this policy prior to the completion of the complaint procedure.
- Comply with the confidentiality requirements of this policy.
- Notify the complainant and the accused of the status of the investigation and complaint procedure on a periodic basis and at appropriate stages of the procedure.
- Ensure no retaliation or reprisals may be taken against an individual for filing a complaint or reporting discrimination under good faith or against any person providing truthful information as a witness in an investigation or related proceeding
- Assure that any investigation is conducted in an impartial manner, including an impartial decision maker

## **INVESTIGATION**

A formal investigation shall include individual interviews with the complainant, the accused and others with knowledge relative to the incident. The investigator also shall consider all information presented by the complainant and the accused. The investigator may evaluate any information and materials relevant to the investigation. The investigation shall be conducted and completed as thoroughly and speedily as possible.

The obligation of this investigation will not be negated by the fact that a criminal or insurance investigation is pending or has been concluded.

The Director of Education will report on the status of the investigation to the complainant and the accused within ten calendar days of the complaint file date and every five calendar days thereafter. The school will make every attempt to resolve the complaint within 15 calendar days of the filing. The school may extend the investigation when necessary to ensure equitable resolution.

Upon conclusion of the investigation, the school's findings shall be provided to the complainant and the accused.

## **ADMINISTRATIVE ACTION**

If the investigation results in a finding that the complainant is factual and constitutes a violation of this policy, the school shall take immediate corrective action calculated to ensure that such conduct ceases and does not reoccur.

Any student or employee found to have engaged in conduct violating this policy shall be subject to disciplinary action up to and including expulsion from school or termination of employment.

## **CONFIDENTIALITY**

The confidentiality of all parties shall be maintained with respect to the filing, investigation and disposition of all complaints under this policy, consistent with the school's investigative and legal obligations. The school shall not disclose the name of a complainant to an alleged violator/perpetrator/harasser if the complainant so requests, however, the scope of a reasonable response to the complaint may be limited as a result.

While a complainant has the right to learn the outcome of his/her complaint, the school shall not disclose to a complainant any sanction or discipline imposed upon a student or employee to the extent such disclosure is prohibited by the Family Educational Rights and Privacy Act or other applicable laws, regulations, rules, constitutional requirements or orders. In rare cases, exceptions may apply.

## **APPEALS**

If the complainant or accused is in disagreement with the outcome of his/her complaint, either party has the right to appeal the decision. The Compliance Officer must be notified that the complainant wishes to appeal a decision. The appeal will be heard by an Appeal Board comprised of the four school managers who have access to consult with the School President.

The appeal will be conducted in an impartial manner by impartial decision makers and the Appeal Board will make a decision within 15 calendar days of the filed appeal date.

## **STUDENT PRIVACY AND FERPA POLICY**

The Family Educational Rights and Privacy Act of 1974, as amended, is a federal law, which states (a) that a written institutional policy must be established and (b) that a statement of adopted procedures covering the privacy rights of students be made available. The law provides that the institution will maintain the confidentiality of student education records.

New Castle School of Trades accords all rights under the law to students who are in attendance, and in certain instances to the parents of dependent students, as defined in Section 152 of the Internal Revenue Code of 1954. Basically, a dependent student is a student whose parent(s) provides more than half of his/her support. Generally, the school does not provide information to parents because of this act. However, exceptions are made if:

1. The student gives his or her parents written consent; or
2. The parents provide a certified copy of their most recent Federal Income Tax Form reflecting dependency status of the son/daughter, which must be on file in the Financial Aid Office.

No one outside the institution shall have access to, nor will the institution disclose, any information from student's education records without the student's written consent except to personnel within the institution who have an educational need, to officials of other institutions in which students seek to enroll, to persons or organizations processing and providing students financial aid, to accrediting agencies carrying out their accreditation function, to persons in compliance with a judicial order, or a valid subpoena, and to persons in an emergency in order to protect the health or safety of students or other persons. Within the institution, only those members, individually or collectively, acting on the student's educational interest is permitted access to student education records.

At its discretion, the institution may provide directory information in accordance with the provisions of the act to include a student's name, address, telephone number, email address, date of birth, major field of study, dates of attendance, degrees and awards received, and all other information defined as directory information.

The law provides students with the right to inspect and review information contained in their education records, to challenge the contents of their education records, to have a hearing if the outcome of the challenge is unsatisfactory, and to submit explanatory statements for inclusion in their files if the decisions of the hearing panels are unacceptable.

The institution has designated the Director of Education to coordinate the inspection and review procedures for student education records, which include admissions, personal, and academic records. Students wishing to review their education records must make written requests to the Director of Education listing the item or items of interest. Only records covered by the act will be made available within 45 days of the request. Students may have copies made of their records with certain exceptions, or a copy of the academic record for which a financial hold exists. These copies will be made at the student's expense. Education records do not include records of instructional, administrative, and educational personnel which are the sole possession of the maker and are not accessible or revealed to any individual except a temporary substitute, records of the law enforcement unit, employment records, or alumni records.

Students may not inspect and review the following as outlined by the act: financial information submitted by their parents, confidential letters and recommendations associated with admissions, employment or job placement, honors to which they have waived their rights of inspection and review, or education records containing information about more than one student, in which case the institution will permit access only to that part of the record which pertains to the inquiring student. Students, who believe that their education records contain information that is inaccurate or misleading or is otherwise in violation of their privacy or other

rights, may discuss their problems informally with the Director of Education. If the decisions are in agreement with the student's requests, the appropriate records will be amended. If not, the students will be notified within a reasonable amount of time that the records will not be amended, and they will be informed by the Director of Education of their right to a formal hearing. Student requests for a formal hearing must be made in writing to the Director of Education who, within a reasonable period of time after receiving such request, will inform students of the date, place, and time of the hearing. Students may present evidence relevant to the issues raised and may be assisted or represented at the hearings by one or more persons of their choice, including attorneys, at the student's expense. The hearing panels, which will adjudicate such challenges, will be the individuals designated by the institution.

Decisions of the hearing panels will be final, will be based solely on the evidence presented at the hearing, will consist of written statements summarizing the evidence and stating the reasons for the decisions, and will be delivered to all parties concerned. Their education records will be corrected or amended in accordance with the decisions of the hearing panels, if the decisions are in favor of the student. If the decisions are unsatisfactory to the student, the student may place within the education record statements commenting on the information in the records, or statements setting forth any reasons for disagreeing with the decisions of the hearing panels. The statements will be placed in the education records, maintained as part of the student's records, and released whenever the records in question are disclosed. Students who believe adjudications of their challenges were unfair or not in keeping with the provisions of the act may request, in writing, assistance from the president of the institution to aid them in filing complaints with the:

Family Policy Compliance Office, U.S. Department of Education  
400 Maryland Avenue, SW, Washington, D.C. 20202-4605

Revisions and clarifications will be published as experiences with the law and the institution's policy warrants. This policy has been adopted in accordance with the Family Educational Rights and Privacy Act, 20 U.S.C. 1232(g), and the regulations promulgated there under at 34 C.F.R. 99.1 et seq., and that reference should be made to that statute and regulations for additional information. Please contact the Campus Director with any questions.

Students are given the current catalog before signing the Enrollment Agreement at New Castle School of Trades. The catalog contains the Family Educational Rights and Privacy Act information (FERPA). The FERPA information is also located on the New Castle School of Trades web site.

## **CANCELLATION OF CLASSES**

Generally, it is school policy to remain open regardless of weather conditions and to hold classes with as many students and instructors as can reach the school. However, should the administration determine that the building must be closed due to inclement weather, the announcement will be broadcast on local radio and/or television.

The school reserves the right to cancel any course or program for which there is insufficient enrollment.

## **CURRICULUM REVISIONS**

Since the New Castle School of Trades periodically reviews, updates, and offers new and additional courses, changes in some programs are inevitable. The school reserves the right to vary the sequence of program courses, revise program and course curriculum content, along with the policies and procedures contained in this catalog.

## **TOBACCO USAGE POLICY**

Any and all tobacco usage is prohibited throughout all school buildings. Failure to comply with the New Castle School of Trades Tobacco Usage Policy can result in discipline measures including suspension.

## **HEALTH/MEDICAL CARE**

Students must take proper care of their health so that they can do their best in school. This means plenty of sleep, sufficient exercise, nutritious food, and personal hygiene. Students who become seriously ill or contract a communicable disease should stay home and recover, but remember to notify the school immediately. All medical and dental appointments should be made after school hours.

The school will not be responsible for rendering any medical assistance; but, will refer students to the proper medical facility upon request.

## **DRESS CODE**

New Castle School of Trades maintains a dress code that encourages both safety and professionalism.

All students are required to wear New Castle School of Trades uniform shirts neatly tucked in. Shirts are issued during the first academic quarter and are also available for order through the school. If students choose to wear a hat, the hat must be a school issued New Castle School of Trades hat and worn with bill facing forward. Each student will receive one hat. Additional hats may be purchased from the school.

Trousers/pants should be clean and presentable and should not be worn in a manner that would prevent freedom of movement. Shorts and sweat pants are not acceptable. Pant leg length must be, at the minimum, to the ankles. Excessively long pant legs which drag on the floor are a safety hazard and not acceptable.

Hooded sweatshirts are deemed a safety hazard and are not to be worn in the school.

All students must wear properly laced and tied safety leather boots. Some programs may require steel toe safety boots. Safety glasses must be properly utilized in designated areas.

Length of hair is not only a professional issue, but a safety concern. Hair worn long must be tucked inside the shirt collar, tied up or put under a New Castle School of Trades hat when around tools/equipment.

Only ear studs less than 1/4" are permitted. Earrings that dangle are not allowed. Absolutely no jewelry is permitted in the Electrical Lab due to shock hazard.

## **HARDSHIP WITHDRAWAL**

Hardship withdrawals may be granted to students who experience personal tragedies that prevent them from completing a term. A hardship withdrawal allows students automatic re-entry into the institution for an upcoming term without incurring additional financial liabilities.

Students requesting a hardship withdrawal must be in good standing with both the attendance and satisfactory academic progress policies, complete the Hardship Withdrawal Form, and provide supporting documentation of the circumstances that specifically prevented them from attending classes. All hardship withdrawal requests are submitted to and approved by the Director of Education.

## **SPECIAL/MITIGATING CIRCUMSTANCES**

Students who are dismissed by the school will have the right to appeal that decision due to special or mitigating circumstances. Students must initiate the process by submitting a completed Special/Mitigating Circumstance Appeal Form along with any supporting documentation to the Director of Education.

The decision of the Director of Education is final. Students whose appeal is granted are allowed to continue the term in which they were dismissed. The student will still be subject to normal satisfactory academic progress and other conditions as indicated on the appeal form.

## **VOLUNTARY PREPAYMENT PLAN**

The school provides a voluntary prepayment plan to students and their families to help reduce the balance due upon entry. Details are available upon request from the Financial Services Office.

## **PAYMENT POLICIES**

Quarterly tuition is due on the first day of class. However, a monthly payment plan is available; monthly tuition is calculated by prorating the amount of tuition owed for the quarter.

Any financial aid, loans, grants, etc. which the student may receive will reduce the amount of monthly payment due to the school. Delinquent payment will be a basis for termination of enrollment.

## **FINANCIAL OBLIGATIONS**

Students who fail to make required payment promptly, issue personal checks which are returned by banks (student will be subject to a \$25.00 Non-sufficient Funds Fee), or fail to make good faith efforts to process their financial aid paperwork in a timely manner, are subject to the following restrictions: no academic records, including transcripts or financial aid records, with the exception of financial aid transcripts, will be released to any institution or individual until all financial obligations are satisfied.



## **ADDITIONAL FEES**

Transcript Fee - The first official transcript is issued upon graduation free of charge, unless fees have not been paid as stated above. The first copy of a transcript is \$5.00 with a charge of \$2.00 for each additional copy. A signed release is required before any transcripts will be released.

Replacement of Degree/Diploma Fee - Students will be charged \$25.00 for a duplicate degree.

Damage Fees - Students will be charged for the repair or replacement of any school property lost or damaged through negligence or willful misconduct. This includes damage to any part of the building or its immediate surroundings.

Non-sufficient funds - \$25.00

Tractor Trailer Refresher (4 hour minimum) - \$75.00 per hour

## **STUDENT COMPLAINT/GRIEVANCE PROCEDURE**

Persons seeking to resolve problems or complaints should first contact their instructor and then the Department Head. Unresolved complaints should be made to the Director of Education. Students who feel that the complaint has not been adequately addressed should contact the School Director. Written responses will be available to the student within seven working days.

Schools accredited by the Accrediting Commission of Career Schools and Colleges must have a procedure and operational plan for handling student complaints. If a student does not feel that the school has adequately addressed a complaint or concern, the student may consider contacting the Accrediting Commission. All complaints reviewed by the Commission must be in written form and should grant permission for the Commission to forward a copy of the complaint to the school for a response. This can be accomplished by filing the ACCSC Complaint Form. The complainant(s) will be kept informed as to the status of the complaint as well as the final resolution by the Commission. Please direct all inquiries to:

Accrediting Commission of Career Schools & Colleges  
2101 Wilson Boulevard Suite 302 - Arlington, VA 22201  
(703) 247-4212 - [www.accsc.org](http://www.accsc.org)

A copy of the ACCSC Complaint Form is available at the school and may be obtained by contacting the School Director or online at [www.accsc.org](http://www.accsc.org).

New Castle School of Trades is licensed by the State Board of Private Licensed Schools, Pennsylvania Department of Education, 333 Market Street, Harrisburg, PA 17126-0333. All questions should be referred to the School Director. If they are not resolved by the School Director, they may be brought to the attention of the Board.

New Castle School of Trades is registered with the Ohio State Board of Career Colleges & Schools School Registration, 30 East Broad Street, Suite 2481, Columbus, OH 43215.

Toll Free 877-275-4219. Reg. 1226.

All problems or complaints about the school, whether or not the problem or complaint has been resolved to your satisfaction by the school, may be directed to the Executive Director of the Ohio State Board.

# FINANCIAL SERVICES

## Types of Federal Financial Aid Programs

### ELIGIBILITY

Eligibility for federal student aid is based on financial need and on several other factors. Generally, to be eligible for Federal Financial Aid, a student must:

- Demonstrate financial need (except for certain loans).
- Have a high school diploma, General Education Development (GED) certificate, or complete a high school education in a home school setting that is treated as such under state law.
- Be enrolled or accepted for enrollment as a regular student working toward a degree or certificate in an eligible program.
- Be a U.S. citizen or eligible noncitizen.
- Have a valid Social Security Number.
- Register with the Selective Service if required. A student can use the paper or electronic FAFSA to register, register at [www.sss.gov](http://www.sss.gov), or call 1-847-688-6888. (TTY users can call 1-847-688-2567.)
- Maintain satisfactory academic progress once in school.
- Certify that he or she is not in default on a federal student loan and does not owe money on a federal student grant.
- Certify that he or she will use federal student aid only for educational purposes.

To apply for federal student aid, you should complete a Free Application for Federal Student Aid (FAFSA) form. These forms can be found on the Department of Education's website, [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Your actual eligibility amounts will be determined from the information you report on the FAFSA.

### FEDERAL PELL GRANT

The Pell grant is gift assistance, which does not have to be repaid. Pell is awarded to students who have a financial need as determined by the U.S. Department of Education standards. Annually, the U.S. Department of Education determines student eligibility for this grant. For the 2019-20 award year, the minimum grant for an eligible full-time student is \$657 and the maximum grant for an eligible student is \$6,195.

### FEDERAL SUPPLEMENTAL EDUCATION OPPORTUNITY GRANT (FSEOG)

Students who are unable to continue their education without additional assistance may qualify for this program. Grants are based on the funds available and do not have to be repaid. Need is determined by the financial resources of the student and/or parents, and the cost of attending the school.

## **PENNSYLVANIA HIGHER EDUCATION ASSISTANCE AGENCY (PHEAA) GRANTS**

This is a state program based on financial need. Only students enrolled in degree programs may be eligible for these awards. Veterans are considered without regard to income. The PHEAA state grant application can be completed at the end of the FAFSA application. More information on state grant programs can be found at [www.pheaa.org](http://www.pheaa.org).

## **SUBSIDIZED FEDERAL DIRECT LOAN**

The subsidized Federal Direct Loan program provides low interest loans through the U.S. Department of Education's Direct Loan Program. The maximum annual loan amount for the first academic year is \$3,500 for undergraduate students, less origination and other fees (if applicable). The federal government pays the interest for you during in-school, in-grace, and deferment periods. Interest does not accrue until the student enters repayment six months after leaving school or dropping below a half-time enrollment status. \*Note: If you receive a Direct Subsidized Loan that is first disbursed between July 1, 2012, and July 1, 2014, you will be responsible for paying any interest that accrues during your grace period. If you choose not to pay the interest that accrues during your grace period, the interest will be added to your principal balance. The minimum repayment amount is \$50 per month; however, subsidized Federal Direct Loans provide many flexible repayment plans as outlined in the loan counseling materials. Payments are based on the repayment plan selected by the student.

For loans first disbursed on or after 7/1/2019 and before 7/1/2020, the interest rate is fixed at 4.53%. For loans first disbursed on or after 7/1/2015 and before 7/1/16, the interest rate is fixed at 4.29% for undergraduate students. Borrowers with other outstanding loans may be eligible to consolidate eligible loans into one consolidated payment. Please refer to your Loan Entrance counseling package for additional information.

## **UNSUBSIDIZED FEDERAL DIRECT LOAN**

If you do not qualify for a full or partial Subsidized Direct Loan based on your financial need, or need additional loan funding, you may qualify for an Unsubsidized Direct Loan. The federal government does not pay the interest on unsubsidized loans while you are in school or have loans in a deferred status. Student loan borrowers are eligible for all interest that accrues on the loan while enrolled, during your grace period, and any deferment periods. You may elect to make interest payments while in school to avoid the capitalization of interest and lower the overall repayment debt. Loan repayment begins six months after leaving school or if you elect to attend less than half time.

For loans first disbursed on or after 7/1/2019 and before 7/1/2020, the interest rate is fixed at 4.53%. For loans first disbursed on or after 7/1/2015 and before 7/1/2016, the interest rate is fixed at 4.29%.

Independent students can borrow up to \$9,500 (Subsidized and Unsubsidized combined) for the first academic year. Dependent students can borrow up to \$5,500 (Subsidized and Unsubsidized combined) for the first academic year. Please see your Financial Aid Administrator to receive further information regarding the maximum annual loan amounts for second or subsequent academic years.

## **DIRECT STUDENT LOANS MAXIMUM ELIGIBILITY PERIOD**

For all new borrowers who receive a loan on or after July 1, 2013, a 150% limitation is in effect. This means a student who is eligible for a subsidized loan will reach their subsidized limit at 150% of a program's length of study. (This limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans) Once a student has reached their 150% limitation, their interest subsidy loan limit will end on all outstanding loans that were disbursed after July 1, 2013, and interest will begin to accrue. Students are therefore encouraged to complete undergraduate study on a timely basis.

For example, if you are enrolled in a 2-year associate degree program, the maximum period for which you can receive Direct Subsidized Loans is 3 years (150% of 2 years = 3 years).

Because your maximum eligibility period is based on the length of your current program of study, your maximum eligibility period can change if you change to a program that has a different length. Also, if you receive Direct Subsidized Loans for one program and then change to another program, the Direct Subsidized Loans you received for the earlier program will generally count toward your new maximum eligibility period.

For additional information visit the Federal Student Aid website:

<https://studentaid.ed.gov/types/loans/subsidized-unsubsidized#am-i-eligible-for-a>

## **PARENT PLUS FEDERAL LOAN**

The Federal Direct PLUS loan is available to parents who wish to apply for additional assistance for their dependent child's education. The amount of the PLUS loan cannot exceed the student's cost of attendance less other student aid awarded. The interest rate varies and is adjusted each year, not to exceed 9% and begins to accumulate on the date of the first disbursement. PLUS loans through the Federal Direct Loan Program first disbursed on or after 7/1/2019 and before 7/1/2020 will have a fixed interest rate of 6.08%, and those first disbursed on or after 7/1/2015 and before 7/1/2016 will have a fixed rate of 6.84%. The first payment will be due within 60 days after the final loan disbursement. Payments will include both principal and the interest that accumulates.

For additional information visit the Federal Student Aid website:

<https://studentaid.ed.gov/types/loans/subsidized-unsubsidized#am-i-eligible-for-a>

## STATE AND LOCAL AID, SCHOOL AID, AND OTHER PRIVATE AID PROGRAMS

This school catalog lists other aid programs, which may be available such as State and Local Aid, School Aid, and other Private Aid programs to enrolled students. Students should review the school catalog and see the Financial Aid Office for additional information on current aid programs.

## OTHER STATE AND FEDERAL PROGRAMS

### VETERANS/MILITARY EDUCATION

New Castle School of Trades is approved to train veterans under the following programs:

- Vocational Rehabilitation, Chapter 31
- Veterans Educational Assistance Program, VEAP, Chapter 32
- Veterans Education Post 911, Chapter 33
- Survivors and Dependents Educational Assistance Program Montgomery GI Bill, Chapter 30
- Selected Reserve Educational Benefit, Chapter 1606

Veterans eligible for education and training under Title 38 of the United States Code are entitled to a legislative set monthly allowance from the Veterans Administration while attending the College in an approved, full-time program of study.

### OFFICE OF VOCATIONAL REHABILITATION (OVR)

The Pennsylvania Office of Vocational Rehabilitation (OVR) provides vocational rehabilitation services to help persons with disabilities prepare for, obtain, or maintain employment. OVR provides services to eligible individuals with disabilities, both directly and through a network of approved vendors. Services are provided on an individualized basis.

### WORKFORCE INNOVATION AND OPPORTUNITY ACT (WIOA)

Financial assistance may be available for educational services if you are low-income, economically disadvantaged, unemployed, or underemployed. For more information on this program, contact your local CareerLink.

### DEPARTMENT OF PUBLIC ASSISTANCE

Financial assistance to eligible students may be available for special needs (i.e.: books, transportation, daycare, etc.) while attending college. Contact your County Assistance Office for more details.

### OTHER

Trade Adjustment Act (TAA).

## APPLYING FOR FEDERAL STUDENT FINANCIAL AID

Each student interested in receiving financial assistance must submit the "Free Application for Federal Student Aid" (FAFSA). If the FAFSA was previously completed within the award year you must add our college to the FAFSA. The

Financial aid office will utilize the results of the FAFSA to estimate and determine the student's financial aid eligibility. A student may be chosen to participate in a verification process of the information submitted on the FAFSA by the U.S. Department of Education. A student may be selected by the U.S. Department of Education's Central Processor (CPS) following procedures established by federal regulation. If, during the application process, the file is selected for "verification" by the U.S. Department of Education's Central Processor (CPS) following procedures established by federal regulation, the student and their family must submit all documents required to validate the information listed on the FAFSA application. Students should refer to the [www.studentaid.ed.gov](http://www.studentaid.ed.gov) website, which is sponsored by the U.S. Department of Education, for more detailed information.

#### Criteria for Selecting Title IV Recipients and for Determining Award Amounts

- If a student's FAFSA is selected for verification by the Department of Education, the student must submit a completed Verification form with all supporting documentation. Once your EFC has been confirmed, you will receive an award letter indicating an authorized award amount.
- New first time students need to be enrolled in class for at least 30 days in order to receive Federal Direct Loans.
- Students need to earn a minimum of 36 credits in their first year (3 quarters, an average of 12 credits per quarter) to be eligible for a secondyear loan; however; if they do not earn 36 credits, they would be eligible for a second first-year loan.
- Students are eligible for a maximum of three Federal PELL awards in the time period from July 1 to June 30.
- Students must maintain Satisfactory Academic Progress. These guidelines are listed in the New Castle School of Trades Catalog under Standards of Satisfactory Progress.

## CRITERIA FOR SELECTING STATE GRANT (PHEAA) RECIPIENTS

- To be eligible for a PHEAA grant, students must have a processed FAFSA (PELL grant application) by May 1st if the student received a PHEAA grant in the previous school year; otherwise, the deadline to file FAFSA is August 1st. Applicants must have established residency in the State of Pennsylvania 12 months prior to application.
- At the end of each Summer Quarter, your transcript will be reviewed and you must have earned (passed) an average of 12 credits per quarter for each PHEAA grant awarded to continue to qualify.
- Students that received a previous PHEAA grant at another post-secondary school are required to provide New Castle School of Trades with an academic transcript from the most recent year awarded PHEAA. This transcript will be reviewed before you may receive PHEAA grant money at New Castle School of Trades. If the student did not earn enough credits at the other school for each PHEAA award, students will be unable to receive PHEAA grant money at New Castle School of Trades until the student has earned the necessary credits at New Castle School of Trades.

# METHODS OF DISTRIBUTING AID AMONG STUDENTS

## **FEDERAL AID**

Federal Aid is distributed to students who complete the Free Application for Federal Student Aid (FAFSA) and meet the eligibility criteria as further described within the application instructions. Students should visit [www.FAFSA.ed.gov](http://www.FAFSA.ed.gov) or the financial aid office for an application.

## **STATE AID**

State Aid is distributed to students who meet the eligibility criteria as described in the specific state aid program requirements. Students should visit the financial aid department for additional information on state aid programs available to enrolled students of the institution and for an application or visit [www.Pheaa.org](http://www.Pheaa.org).

## **INSTITUTIONAL AID (SCHOLARSHIPS)**

Colleges may offer various types of scholarships to students enrolled in specific programs of study, participating in campus athletics, having met specific academic standards, etc. The number of scholarship recipients varies from year to year depending on the funding available and the number of eligible applicants. For additional information on available institutional scholarships, students are encouraged to visit/contact the financial aid office at the campus. Students are also encouraged to visit their library or research on the Internet as a source for additional scholarship programs not administered or awarded by the institution.

## **DISBURSING FEDERAL STUDENT AID**

### *Colleges Using Standard Academic Terms ("Standard Term")*

Financial aid is awarded based on an academic year as defined on a program-by-program basis at the institution. Disbursement of aid varies by the type of assistance. For colleges using standard academic terms, a portion of the Federal Pell Grant for those who qualify will be paid to the student's account during each payment period or term. (i.e., Quarters – three terms and Semesters – two terms) In order to receive federal loan proceeds, the student (parent in the case of PLUS loans) must complete and sign a valid promissory note. The loan proceeds are used to satisfy the student's tuition and fees for the academic year and are disbursed once per term. Once tuition and fees obligations charged by the institution have been met, the student may receive the excess amount of federal student aid that creates a credit on the account. A first-year, first-time borrower's account will not be credited with Direct loans until 30 days after their first day of class and a completed loan entrance interview. New Castle School of Trades uses this method.

## **BORROWER CONFIRMATION FOR LOANS IN A SUBSEQUENT ACADEMIC YEAR**

### *Subsidized and Unsubsidized Master Promissory Note (MPN)*

Students have the ability to obtain loan funds not exceeding the established loan limits through the Subsidized and Unsubsidized Federal Direct Loan program without having to sign a new Master Promissory Note for each academic year. New Castle School of Trades gives the borrower a student loan request form to indicate the amount they want to borrow and the loan period.

## **PARENT PLUS MASTER PROMISSORY NOTE (PLUS MPN)**

For Parent Direct PLUS loans made under the multi-year feature of the MPN, the regulations that govern the loan programs require the financial aid office at the school to document an active confirmation of Parent PLUS loan funds. This institution gives a PLUS loan request form to the parent and the parent indicates the amount they want to borrow and the loan period. The confirmation process is to provide a means for the parent borrower with greater control and understanding of PLUS loan debt. Parent must also complete another credit check and plus application for their second-year loan.

## **VOLUNTARY AUTHORIZATION PERTAINING TO CREDIT BALANCES**

A Voluntary Authorization Form is provided to students at any time they request. Students and parents (of a dependent student applying for PLUS loans) review the statement, complete the information requested and provide the signed form to the Financial Aid department. For continuing students who previously signed this statement, the initial authorization will continue to be valid unless the student requests a change. However, FSA credit balances cannot be held beyond the end of the loan period.

Based on student's authorization, the institution will retain the given amount of credit balance on the account to be applied to allowable future charges to assist students in managing those funds or to be disbursed at their request.

### *Terms and Conditions Under Which Students Receive Federal Loans.*

The Federal Loan programs provide funds to undergraduate and graduate students to assist them in meeting their educational expenses. To qualify for Federal Loan program funds, the student must meet the eligibility requirements for Federal Student Aid as well as the loan program specific terms and conditions specified below:

## **DIRECT LOAN (DL)**

- Student must be enrolled at least half-time during the period of enrollment to retain their eligibility for DL program funds. Students whose enrollment status is below half-time are not eligible for DL program funds. If eligibility is lost due to being enrolled less than half-time, a student can regain eligibility if enrolled at least half-time during a subsequent period of enrollment.
- A student who is borrowing a loan for the first time is required to participate in loan entrance counseling prior to the first disbursement of the loan. The first disbursement of a loan cannot be made earlier than 30 days after the start of the term or period of enrollment.
- Financial Aid Administrators may not perform credit checks on students in connection with awarding them DL program funds.
- A student borrower who is in default on an FSA loan is not eligible for additional DL loan funds unless eligibility is regained.



## **FINANCIAL AID LOAN MANAGEMENT**

Each first-time student borrower is required to complete a loan entrance interview conducted individually. The interview will include an explanation of the use of a Master Promissory Note (MPN), the importance of the repayment obligation, a description of the consequences of default, sample repayment schedules, information in reference to borrower's rights and responsibilities, as well as other terms and conditions.

Upcoming graduates, students who officially withdraw, or students who cease to attend at least half-time will be required to complete/attend the exit counseling session. Students who leave school without attending an exit counseling session will receive exit counseling information mailed by the campus. Exit counseling addresses topics such as the requirement to repay the loan, repayment plans, updating contact and demographic information, the consequences of default.

## **LOAN REPAYMENT OBLIGATION AND REPAYMENT OPTIONS**

Students who receive federal student loans sign a Master Promissory Agreement (MPN) which states the student is obligated to repay the student loan funds regardless of the student's graduation, withdrawal from school, or the student's inability to obtain employment. The student loan program offers students many different repayment options. Students are responsible for selecting the appropriate payment plan to suit their needs. The school's Financial Aid Office and servicer are available to review the different repayment options. If at any time a student becomes delinquent on a loan, it is the student's responsibility to contact the school or servicer to determine what options are available to the student.

## **THE FINANCIAL AID LOAN ENTRANCE COUNSELING**

The following information will be included in the Loan Entrance Counseling, which will be presented to a first-time student borrower prior to the first disbursement of loan funds.

- Explanation and use of the Master Promissory Note (MPN).
- Effect of accepting the loan on eligibility for other aid.
- Seriousness and importance of the repayment obligation.
- Option of the borrower to pay interest on Unsubsidized Direct Loans while in school.
- Interest accrual process and interest capitalization when a borrower elects not to pay interest or if the interest is not paid by the US Department of Education.
- Definition of half-time enrollment.
- Consequences of not maintaining half-time enrollment.
- Importance of contacting the appropriate office at the school if the student plans to withdraw before completing the academic program to allow the school to provide exit counseling to the borrower
- Obligation to repay the loans even if the borrower does not complete the program or does not complete the program within the regular time for completion, is unable to find employment, is dissatisfied with the school/ program, or does not receive the services purchased from the school

- The importance of repayment and the consequences of default, including adverse credit reports, federal offset, and other federal delinquent debt collection procedures and litigation
- 150% Subsidized Loan eligibility
- Sample monthly repayment amounts based on a range of levels of indebtedness or the average cumulative indebtedness of other loan borrowers within the same academic program as the borrower
- Information regarding the National Student Loan Data System (NSLDS) and how a borrower can access and monitor his or her loan records
- Name and contact information of the person the student may contact with questions regarding rights and responsibilities or loan terms and conditions

## **THE FINANCIAL AID LOAN EXIT COUNSELING**

Students are required to attend a Financial Aid Loan Exit Counseling session prior to graduating or shortly before the student ceases enrollment of at least half-time study. Students who seek to withdraw from the campus should see the Financial Aid Department to obtain exit counseling. Several topics presented at the entrance counseling session are again presented at the exit counseling. Exit counseling is required for all graduated, withdrawn, or dismissed students prior to exiting the institution as well as when a student ceases to attend at least half-time. If a student leaves school or chooses to postpone their education, the student should meet with a Financial Aid Administrator to understand the financial impact of this decision and attend loan exit counseling.

Exit counseling includes the following information:

- Explanation of all repayment plans available
- Comparative analysis of the features of each type of repayment plan, including average projected monthly payments and the difference in interest and total payments
- Explanation of the terms and conditions to obtain full or partial loan forgiveness or discharge
- Explanation of the terms and conditions under which the borrower may obtain a deferment or forbearance
- Debt management strategies to assist the student in successful loan repayment
- Information regarding the average anticipated monthly repayment amount based on the student loan borrower's actual indebtedness or the average indebtedness of student borrowers in the same academic program receiving the same types of loans
- A review of the use of the Master Promissory Note (MPN) and the student's obligation to repay the loan
- Explanation of the student's responsibility to repay the loan even if the student did not complete the program, did not complete the program within the regular completion time for that program, is unable to obtain employment, or is dissatisfied with the education received
- Explanation regarding the consequences of default, including adverse credit

reports, federal offset, other federal delinquent debt collection procedures and litigation under federal law

- Effects of loan consolidation, including the effect on total interest and fees to be paid, length of the repayment term, effect on borrower benefits on underlying loans (grace periods, deferment, loan forgiveness, and loan discharge), option to prepay or change repayment plans, and how borrower benefits may differ between lenders
- Explanation of the tax benefits available to the student
- Information concerning the National Student Loan Data System (NSLDS) and how the student can utilize NSLDS to access his or her records
- Information regarding the availability of the Student Loan Ombudsman's Office

In addition, the Financial Aid Department is responsible to collect the following information as part of the exit counseling and provide the information to the Secretary of Education within 60 days of receipt. This is completed with the online exit counseling at [studentloans.gov](http://studentloans.gov):

Name

Address

Social Security Number

References

Driver's License Number and State

Expected Permanent Address

Name and address of next-of-kin

Name and address of the student's employer or expected employer

## **LOAN DEFERMENTS FOR BORROWERS**

Students should visit the Financial Aid office for the terms and conditions under which students receiving federal education loans may obtain a deferment for repaying student loan debt.

## **LOAN DEFERMENTS FOR CERTAIN INDIVIDUALS**

Loan deferment terms and conditions are further defined for those serving in the Peace Corps, under the Domestic Volunteer Service Act, and as a volunteer for a tax-exempt organization of demonstrated effectiveness in the field of community service.

## **FINANCIAL AWARENESS COUNSELING TOOL**

The USDE just released a new Financial Awareness Counseling Tool for students at: <https://studentloans.gov/myDirectLoan/financialAwarenessCounselingLanding.action>

This addition to the student loan site will provide students the basics of financial management, show students their current federal student loan debt (and their current student loan debt if they enter information about their private student loans), and provide students an estimate of what their student loan debt is likely to be at the time they leave school.

## **NATIONAL STUDENT LOAN DATA SYSTEM**

National Student Loan Data System (NSLDS) is the U.S. Department of Education's (ED's) central database for student aid. Student financial aid information is submitted to the NSLDS. NSLDS receives data from schools, guaranty agencies, the Direct Loan program, the Pell Grant program, and other ED programs. NSLDS student access provides centralized, integrated view of Federal Student Aid Loans and grants so that recipients of funds from these programs can access and inquire about the Federal Student Aid loans and/or Grant data. Once the data is reported to NSLDS, this site and all information contained within is accessible to Financial Aid Administrators, Guarantee Agencies, and students. All users must sign-in and are an authorized user. To access the site, visit [www.nsls.ed.gov](http://www.nsls.ed.gov).

## **FEDERAL STUDENT AID OMBUDSMAN NOTIFICATION**

Student should contact the Financial Aid Administrator at the institution who is always ready to assist with any questions or concerns regarding Federal Direct Loans.

If a situation exists that a Financial Aid Administrator cannot resolve, students should follow procedures in the school catalog regarding "student concerns." In addition, the U.S. Department of Education's Office of the Ombudsman for student loan issues is available. The Ombudsman resolves disputes from a neutral and independent viewpoint. The Office of Student Financial Assistance Ombudsman will informally research borrower's issues and suggest solutions to resolve. Student borrowers can contact the Office of the Ombudsman by:

Via Online Assistance: <http://studentaid.gov/repay-loans/disputes/prepare>

Via Toll-Free Telephone: 1.877.557.2575

Via Fax: 1.606.396.4821

Via Mail: FSA Ombudsman Group, P.O. Box 1843, Monticello, KY 42633

## **NEW CASTLE SCHOOL OF TRADES CODE OF CONDUCT FOR FINANCIAL AID OFFICE**

In order to comply with the requirements of the Higher Education Opportunity Act of 2008, New Castle School of Trade's Office of Financial Aid promises to abide by the following Code of Conduct.

As employees of New Castle School of Trade's (NCST) Office of Financial Aid, we promise that:

- We will follow all laws and regulations governing the awarding, disbursing, and processing of any and all types of financial aid both federal and state.
- We will carry out our duties with the utmost level of professionalism.
- We will be honest and professional in all our duties regardless of race, nationality, gender, age, sexual orientation, and/or disability.
- We will not engage in any unethical or immoral behavior while performing our duties. This includes but is not limited to sexual harassment, theft, inappropriate language, and inappropriate Internet access.
- We will not accept any personal gifts from a student, parent, or lender.

- We will not accept any travel expenses paid by a student, parent, or vendor unless those expenses are provided directly from the organization and are related to the duties we perform.
- We will not accept any gift, monies, or other form of payment that would alter any aid awarded to any student and/or parent.
- We will not lobby any local, state, or federal government official in an attempt to influence any type of legislation without the permission of New Castle School of Trades.
- We will not enter into any revenue-sharing arrangements with any lender.
- We will not enter into any contracting arrangement that provides a financial benefit from the lender or any of the affiliates of that lender.
- We will ensure that employees of a lender may never identify themselves to students as employees of New Castle School of Trades. No employee of a lender may ever work in or provide staffing assistance to New Castle School of Trades in its financial aid office.
- We will not accept any offers of funds for private loans.
- We will not direct borrowers to particular lenders, or refuse or delay any loan certifications.
- We will not accept any compensation for service on an advisory board, commission, or group established by lenders or guarantors, except for reimbursement for reasonable expenses.

## **FINANCIAL AID CONSUMER INFORMATION**

Schools recognize that in many instances individuals and their families are not able to meet the entire cost of education. Therefore, the Financial Aid Department will assist students with the process of applying for federal student financial aid. The Financial Aid Department is the designated department at the school for consumer information. If a student or parent has a question, they should not hesitate to contact the Financial Aid Department at their school by contacting the school's main number located on the school's website.

## **PREVENTION OF FINANCIAL AID/SCHOLARSHIP FRAUD**

Every year, millions of high school graduates seek creative ways to finance the markedly rising costs of a college education. In the process, they sometimes fall prey to scholarship and financial aid scams. On November 5, 2000, Congress passed the College Scholarship Fraud Prevention Act of 2000 (CSFPA). The CSFPA enhances protection against fraud in student financial assistance by establishing stricter sentencing guidelines for criminal financial aid fraud. It also charged the Department, working in conjunction with the Federal Trade Commission (FTC), with implementing national awareness activities, including a scholarship fraud awareness site on the ED website.

According to the FTC, perpetrators of financial aid fraud often use these telltale lines:

- The scholarship is guaranteed or your money back.
- You can't get this information anywhere else.
- I just need your credit card or bank account number to hold this scholarship.
- We'll do all the work.
- The scholarship will cost some money.
- You've been selected by a 'national foundation' to receive a scholarship or 'You're a finalist,' in a contest you never entered.

To file a complaint, or for free information, students or parents should call 1-877- FTC-HELP (1-877-0382-4357) or visit: [www.ftc.gov/scholarshipscams](http://www.ftc.gov/scholarshipscams)

## **CONSUMER INFORMATION FROM THE U.S. DEPARTMENT OF EDUCATION**

The U.S. Department of Education (ED) has various websites available to students and financial aid staff that provide information regarding the regulations, requirements, and application for Federal Student Aid. There is no user fee for using ED Financial Aid sites.

- U.S. Department of Education: [www.ed.gov](http://www.ed.gov)
- Applying for Federal Student Aid: [www.fafsa.ed.gov](http://www.fafsa.ed.gov)
- Information for Students: [www.studentaid.ed.gov](http://www.studentaid.ed.gov), and [www.college.gov](http://www.college.gov).
- Information for Financial Aid Professionals and Schools: [www.ifap.ed.gov](http://www.ifap.ed.gov), and [www.fsa4schools.ed.gov](http://www.fsa4schools.ed.gov).

## **ALTERNATIVE LOAN PROGRAM**

### **TUITION FINANCING**

The New Castle School of Trades may be able to offer alternative loan programs to those who qualify. Contact the Financial Aid Office for additional information.

### **TRUTH IN LENDING**

Cash Payments: Monthly, Bi-Monthly or Quarterly- payable on or before the first day of classes and prior to the 15th day of the month the payment is due. If tuition is satisfied by cash payment while the student is still in school, there is no interest or finance charge. If the applicant is unable to pay all of the tuition costs on the first day, then the student will apply for all financial aid for which he/she may be eligible and apply all disbursements to any outstanding balance. The balance of any costs not covered by financial aid will be paid over the length of the program in monthly installments according to a payment plan (Installment Note) which, if applicable, will be determined by the Financial Aid Department. This payment plan (Installment Note) if used, will become an addendum to the Enrollment Agreement and is legally binding. In the event the student opts to take New Castle School of Trade's private financing plan to cover the balance of the tuition not satisfied by Federal Student Financial Aid, the annual interest rate is 12% (tuition does not necessarily need to be paid in full by graduation under the private financing plan). If a student seeks outside financing, the interest rate will vary depending on the lender chosen.

## VETERANS EDUCATIONAL BENEFITS

Individuals eligible for benefits from the Veterans Administration should make an appointment to see the VA representative at the school.

The funds available vary from year to year and are based upon changes in federal appropriations and regulations as well as changes in lenders participation in the GSL and PLUS programs.

In order to receive Financial Aid refunds, students must be attending class according to school policy. Before making Financial Aid disbursements, attendance and grades are checked to ensure that the student is in Satisfactory Progress. If the student is repeating classes due to grades and attendance, payment will be delayed until that repeat time is completed successfully.

Students are guaranteed that the tuition rate in effect at the time they begin classes will remain in effect for the duration of their program. There will be no increase in the tuition rate for students once they have begun classes.

Class-Cuts are not permitted and shall be recorded as absences. Make-up work is not permitted for the purposes of receiving Veterans Administration Training Allowance.

Our educational institution has a current policy that abides by Section 103 of the Veterans Benefit and transition act of 2018

The New Castle School of Trades has a policy that ensures that they will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries or other instructional facilities, or the requirement that **Chapter 31** or **Chapter 33** recipients borrow additional funds to cover the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement of payment by the U.S. Department of Veterans Affairs.

## THE PRINCIPLES OF EXCELLENCE PROGRAM

The New Castle School of Trades participates in the principles of excellence program. Educational institutions participating in the Principles of Excellence program agree to the following guidelines:

- Provide students with a personalized form covering the total cost of an education program.
- Provide educational plans for all military and Veteran education beneficiaries.
- End fraudulent and aggressive recruiting techniques and misrepresentations.
- Accommodate Service members and Reservists absent due to service requirements.
- Designate a point of contact to provide academic and financial advice.
- Ensure accreditation of all new programs prior to enrolling students.
- Align institutional refund policies with those under Title IV, which governs the administration of federal student financial aid programs.

## **WITHDRAWAL REFUND AND REPAYMENT POLICY**

In accepting applicants, the school has assumed the obligation of furnishing an entire program, including teachers, equipment, laboratories, classrooms and other facilities necessary, at the stated cost. Therefore, except when the Enrollment Agreement is not accepted by the school, cancellation of the Enrollment Agreement by the students may be made only by written notice delivered to the school.

In the event the school is unable to perform any of the obligations under the Enrollment Agreement by reason of fire, strike, work stoppage, riot, utility failures or shortage, damage by the elements, "acts of God" or any unavoidable casualty, the school shall not be responsible for damages or tuition refund caused by delay or failure to perform hereunder, provided said delay does not exceed ninety days and the school evidences positive effort every thirty days to reactive the school.

### **CANCELLATION PRIOR TO STARTING CLASSES**

1. An applicant will receive a full refund of all monies paid if:
2. The Applicant is not accepted for admission.
3. The Applicant requests it in writing, signed and dated, within five calendar days after signing the Enrollment Agreement, but before starting classes.
4. Applicants who have not visited the school prior to enrollment may cancel without penalty within five calendar days following either attendance at the scheduled orientation procedures or a tour of the school and inspection of equipment.

An applicant requesting cancellation prior to starting classes and under conditions not defined above, will receive a refund of all monies paid in excess of the registration fee.

### **WITHDRAWAL AFTER CLASS BEGINS**

The program for which the student has applied is divided into periods of obligation (quarter/segment). The cost per period is stated on the enrollment agreement. The percentage attended of the period is based on the number of weeks completed as a percentage of the number of weeks in that period, unless State requirements specify otherwise. The number of weeks completed is calculated from the first date of the period to the last date of attendance.



# REFUND POLICY

Commonwealth of Pennsylvania State Board of Private Licensed Schools,  
Department of Education Refund Requirements.

Students who withdraw from all classes at New Castle School of Trades may be eligible for a refund of their total tuition. The following refund policy applies to tuition only and is determined by the last scheduled date of classes that you attended.

<b>Last Scheduled Date of Class Attended</b>	<b>Refund</b>
During the first 7 days of the period of obligation	75% Refund
After the first 7 calendar days but within the first 25% of the term	55% Refund
After the first 25% of the term but within the first 50% of the term	30% Refund
After 50% of the term	No Refund
Prior to the start of classes	100% Refund

All student refunds are paid within 30 days of the date of determination. The date of determination is the day the student notifies the school of withdrawal, is dismissed or reaches 10 consecutive school days of absence.

For the purposes of date of determination, a student must be present in at least one class to be considered enrolled for the day.

## TITLE IV REFUND POLICY

The United States Department of Education implemented the regulation known as the Return of Title IV Funds on November 1, 1999.

This regulation applies to any student who withdraws from school after October 7, 2000, and is eligible to receive monies from the Federal Loan Program or the Federal Pell Grant Program (Title IV Programs).

The formula used is as follows:

1. Determine the last date of attendance in class. After the last date of attendance in class is known, the percentage of the payment period attended by the student is calculated. (If the percentage of the period completed is 60.01% or greater, no Title IV Funds have to be returned.)
2. Determine the amount of Title IV aid earned by the student by multiplying the total Title IV aid for which the student was eligible by the percentage of time enrolled.
3. Compare the amount to the amount disbursed. If the amount disbursed exceeds the amount earned, some Title IV aid must be returned to the respective programs (Federal Direct Stafford Loan Program or the Federal Pell Grant Program). If the amount earned is greater than the amount disbursed, then a post-withdrawal disbursement must be made if the student is eligible.

4. Allocate the responsibility for returning the unearned portion of the aid between the school and the student. The school must return its portion of unearned aid in the following order:

- a. Unsubsidized Direct Stafford Loan
- b. Subsidized Direct Stafford Loan
- c. Direct PLUS
- d. Federal Pell Grant

In some cases, the student must return a portion of the Title IV aid. If the amount the student must return is loan funds, the student is allowed to pay back his or her portion of any unearned loan funds in accordance with the terms of the promissory note. If the amount the student must return is Pell Grant money, he/she must return 50% of the grant repayment amount. The order in which the student must repay any unearned aid is the same as the order of the school. (See above)

5. Send the unearned Title IV aid back to the Title IV programs.

# ACADEMIC POLICIES

## CLASS SCHEDULING

- Classes are scheduled between 8:00 A.M. - 1:30 P.M., 5:30 P.M. - 11:00 P.M., Monday through Thursday. Students will attend class five and one half hours per day - except programs listed below.
- Diesel & Heavy Equipment Repair Technology classes are scheduled 8:00 A.M. to 3:00 P.M., Monday through Thursday.
- Heavy Equipment with Commercial Truck Driving Classes 8:00 A.M. - 3:30 P.M., Monday through Thursday.
- Commercial Truck Driving classes are scheduled 8:00 A.M. - 3:30 P.M., Monday through Friday
- Commercial Truck Driving weekend classes are 8:00 A.M. - 3:30 P.M., Saturday and Sunday.
- Welding 8:00 A.M. - 1:45 P.M. and 5:30 P.M. - 11:15 P.M. Monday through Thursday.

Although every effort is made to schedule classes for the students' convenience, New Castle School of Trades reserves the right to alter schedules so that proper facilities, equipment, and faculty are available.

## COURSE SIZES

New Castle School of Trades offers educational programs designed to train students in the shortest time possible for entry-level positions in their chosen fields. To provide meaningful instruction and training, classes are limited in size. Standard lecture maximum class sizes are 40:1 student/teacher ratio.

Laboratory/shop classes enable students to receive hands-on training using equipment similar to that used by business and industry. To ensure that students receive the necessary time and attention to build experience and confidence, maximum laboratory/shop classes are 25:1 student/teacher ratio.

For Commercial Truck Driving classes the number of students assigned to each class is based on a student to teacher ratio that provides adequate time allocation to each individual, both in the classroom and in trucks. The maximum student to teacher ratio is 25:1 in the classroom, 1:10 in the yard and 1:4 in the road trucks.

For Heavy Equipment Operations with Commercial Truck Driving, Diesel & Heavy Equipment Repair Technology, the student to teacher ratio is 40:1 in the classroom and 25:1 on the range or lab. The CDL portion will be the same as stated above for the Commercial Truck Driving Program.

## DEFINITION OF TERMS

Certificate - An award issued to a student for successful completion of a course or program of study. Academic Hour - one clock hour consists of 50 minutes of class time. Clock hours are converted into credit units to allow for comparison with other postsecondary schools.

Conversion - one semester credit equals 1.5 quarter credits (credit unit).

NCST uses Quarter Credits

Quarter Credit Hours - one Quarter credit hour equals 30 units.

1-Clock Hour of Didactic Learning = 2 units

1-Clock Hour of Supervised Lab = 1.5 units

1-Clock Hour of Externship = 1 units

1-Clock Hour of Outside Work = .5 units

Per ACCSC Formula

Diploma - An award issued to a student indicating graduation from a prescribed program of study.

Degree - An award issued for graduation from a prescribed program of study for which New Castle School of Trades has received approval from the proper agencies.

Financial Aid - Students may be awarded financial assistance, if eligible, based on the number of clock hours or credit units they will earn.

Quarter - A period of study consisting of ten weeks.

Payment Period - Title IV funds are awarded based on the number of clock hours or credit units earned for the appropriate program of study. A payment period consists of ten weeks.

## STUDENT PROGRESS REPORTS

Students are entitled to a regular accounting as to their academic progress and status. Students placed on academic warning will be informed at the time the action is taken and appropriate advising is part of that process. Students may review their satisfactory progress by requesting a transcript from the Education Department.

Student progress and grades are determined through daily assignments, hands-on assessments, quizzes, written examinations, and attendance.

## GRADING SYSTEM

The following grading scale shall apply to all students:

GRADES	PERCENTAGES	QUALITY POINTS
A	100-95	4.00
A-	94-90	3.75
B+	89-85	3.50
B	84-80	3.00
C+	79-75	2.75
C	74-70	2.00
D+	69-65	1.75
D	64-60	1.00
F	59-0	0.00
I	Incomplete	0.00
W	Withdrawal	0.00
TR	Transfer Credit	0.00
TO	Test-Out Credit	0.00
TN	Transfer to Night	0.00
TD	Transfer to Day	0.00

If a required course is failed, it must be taken again. If a student is required to take a course which is a prerequisite to other courses, that course must be taken before advancement to subsequent courses. A course may not be repeated more than once. Special cases may be considered by the School Director. If a course is repeated, the new grade will be averaged into the cumulative GPA.

Students who withdraw (voluntarily or involuntarily) from a course(s) after the Drop/Add period will be assigned the grade of W.

## SATISFACTORY ACADEMIC PROGRESS

### GENERAL STANDARDS

All students entering New Castle School of Trades (NCST) must make Satisfactory Academic Progress toward their program completion. Satisfactory Academic Progress is measured by both the grades achieved each term and the number of credits successfully completed. These measurements are cumulative results during all periods the student is enrolled and are calculated at the end of each term.

### CUMULATIVE GRADE POINT AVERAGE REQUIREMENT

The student must maintain a specified cumulative grade point average (CGPA) as outlined in the Satisfactory Academic Progress Table (See Table 1). When a course is repeated, the new grade will replace the original grade for the purposes of the calculation of the CGPA. The original grade will be replaced with an R (Repeat) grade. Students are limited to attempting a course two (2) times to pass.

- Transfer credits (TR) accepted by New Castle School of Trades are not used in the calculation of the student's CGPA.
- Teach-Out credits (TO) awarded by New Castle School of Trades are not used in the calculation of the student's CGPA.
- Withdraw grades (W) are not calculated in the student's CGPA.
- The grade of I (Incomplete) is not calculated in the student's CGPA.

## SUCCESSFUL COMPLETION REQUIREMENT

The student must complete their academic program within a specified maximum time frame. At New Castle School of Trades the maximum time frame is 1.5 times the number of quarter credit hours of the program. This means that a student can attempt a maximum of 150% of the credits in the program. For example: if an academic program requires 100 credits, a student cannot exceed 150 total credits, which is 150% of the program length (100 total credits for the program x 1.5 = 150 credits).

- The student must successfully complete courses at each evaluation point at the rate outlined in the Satisfactory Academic Progress Table (See Table 1).
- The grades of A, A-, B+, B, C+, C, D+ and D indicate successful completion and credit is awarded. The grade of F indicates a lack of completion; no credit is awarded.
- The grade of F is calculated in the student's CGPA and is counted towards credits attempted.
- The grade of W is not calculated in the student's CGPA but is counted toward credit hours attempted.
- The grade of TO (Test-Out) is not counted in the student's CGPA but is counted towards credit hours attempted.
- The grade of R (Repeat) is not counted in the student's CGPA but is counted towards credit hours attempted.
- The grade of I (Incomplete) is not counted in the student's CGPA but is counted towards credit hours attempted.
- The grade of TR (Transfer Credit) is not counted in the student's CGPA and is not counted as credit hours attempted.
- The grade of TD (Transfer to Day) is not counted in the student's CGPA and is not counted as credit hours attempted.
- The grade of TN (Transfer to Night) is not counted in the student's CGPA and is not counted as credit hours attempted.

A student who has received transfer credit must complete their program of study within 1.5 times the rate of a student making normal academic progress. Such progress is measured according to the number of quarter credits remaining to be completed at New Castle School of Trades.

If it is determined at any point that the student is unable to successfully complete the program within the prescribed 1.5 times rate of a student making normal academic progress, that student will be academically withdrawn from the program. At the point of determination, the Director of Education will notify the student in writing that they are being academically dismissed from the program.

Table 1: Satisfactory Academic Progress All Students:

<b>Term</b>	<b>CGPA Required</b>	<b>Required Completion % of Credit Hours Attempted</b>
First Term	1.25	30%
Second Term	1.50	40%
Third Term	1.75	50%
Each Subsequent Term	2.00	67%

## **ACADEMIC WARNING**

Students are placed on Academic Warning if they do not meet Satisfactory Academic Progress (SAP) at any evaluation point in their program. A student placed on academic warning must achieve SAP by the end of the following term or they will be withdrawn from the institution. Students are considered to be maintaining SAP while on Academic Warning and maintain eligibility for Title IV funding.

## **NOTIFICATION**

Students placed on Academic Warning are notified in writing. This notification is made to assist the student in improving their cumulative grade point average and/or successful course completion percentage.

## **ACADEMIC WITHDRAWAL**

A student who has not made academic progress after being placed on academic warning, or has been academically disqualified by failing to successfully complete a class two (2) times, will be academically withdrawn from the institution and notified in writing by the Director of Education. A student who has been academically withdrawn has the right to appeal that determination in accordance with the Academic Appeal Policy procedure below.

## **ACADEMIC APPEAL POLICY**

In order to appeal being academically withdrawn, students must submit to the Director of Education an Appeal Hearing Request form and provide any other documentation that may be deemed necessary. The Director of Education will conduct this hearing and determine if circumstances warrant a student being eligible to re-enter into the institution. Students will be notified in writing when the appeal is accepted or denied.

A student approved to re-enter through the appeals process who was withdrawn for not making Satisfactory Academic Progress (SAP) will return on Academic Probation and must achieve SAP by the end of the term, or they will be withdrawn from the institution. Students on Academic Probation maintain eligibility for Title IV funding.

A student approved to re-enter through the appeals process who was withdrawn for having failed to successfully complete a course after two attempts will return on the status they held prior to withdrawal and are subject to the Satisfactory Academic Progress standards and terms as before withdrawal.

## **REQUEST FOR CASE REVIEW**

A student that is dissatisfied with the outcome of the appeal may submit a written request for interview and case review by the Campus Director. Upon completion of the case review the Campus Director will make a final determination and the student will be notified in writing of the outcome of this review.

## **INCOMPLETE GRADES**

A student may be awarded an "Incomplete" grade in a course in the case of special circumstances where they are unable to complete coursework by the end of the term.

Once a student's grade has been changed to an Incomplete, they have through the 10th class day of the next term to clear the Incomplete. This may be done by completing the course work for an award of a grade. If the student fails to clear the Incomplete by completing the coursework for a grade, the student will receive a Failure (F) grade for the course. Incompletes are not calculated in the student's grade point average, but they do count as credits attempted for purposes of monitoring a student's satisfactory progress.

### **COURSE REPEAT POLICY**

Courses may be repeated in an effort to improve the grade or acquire missing skills. Normal registration procedures are followed when a student repeats a course. A new grade earned in a repeated course will be computed in the student's cumulative grade point average. Once the course is retaken, the original grade will be replaced by an R (Repeat) grade. The initial course grade(s) will no longer factor into the student's CGPA but the credit hours attempted do count towards the Credit Completion Percentage. The earned grade from the subsequent course will be posted as the official grade and will be calculated into the student's CGPA. Students are limited in attempting a course two (2) times to pass the course.

### **WITHDRAWAL - NON-ACADEMIC**

Should a situation arise which requires a student to withdraw from New Castle School of Trades, the student must give written notice of withdrawal to the Director of Education, in order to officially terminate their enrollment. Students who do not provide written notification will be withdrawn from classes when it is determined by New Castle School of Trades that the student is no longer pursuing their educational objective. This date is determined after the student has stopped attending for 14 consecutive calendar days without official notification and is considered an unofficial withdrawal.

### **TRANSFER AND AWARD OF ACADEMIC CREDIT**

Academic credits with a grade of "B" or better earned at other accredited institutions may be transferred to New Castle School of Trades based on the comparability of the nature, content, and level of credit earned to that offered by New Castle School of Trades. No more than 50% of the required program quarter credits hours may be transferred and all credits must have been earned within the past five (5) years. Students wishing to obtain transfer of credit should have an official transcript and catalog or course descriptions sent by the accredited institution to New Castle School of Trades. There is no legally enforceable right for a student to require New Castle School of Trades to accept a transfer of credit from another educational institution. Submissions should be made within thirty (30) days from the date of enrollment at New Castle School of Trades.

### **SEEKING ADDITIONAL CREDENTIAL**

For New Castle School of Trades graduates, the grades of A, B, C, and D indicate successful completion for credits awarded from New Castle School of Trades and will be accepted for transfer of credit into another program, if applicable, at New Castle School of Trades. Credits will be applied to the new program as transfer credit and will not be calculated into the student's Satisfactory Academic Progress. Please refer to the Satisfactory Academic Progress Policy in this publication for further information.



## **CHANGE OF PROGRAM**

For current students changing programs or re-entering students, credit will be applied by associating grades and those grades will be calculated into the student's CGPA for the new program. These credits will be counted towards course hours attempted for the course completion percentage. Please refer to the Satisfactory Academic Progress Policy in this publication for further information.

## **STUDENTS RECEIVING FEDERAL TITLE IV FUNDING**

A student receiving federal financial aid who does not meet the cumulative grade point average standards at the end of the second year will no longer be eligible for financial aid, may not be placed on probation, and must be dismissed, unless the student wishes to continue without being eligible for federal financial aid. However, a student not meeting the cumulative grade point average standards at the end of the second year may appeal through the Academic Appeals policy if there are documented mitigating circumstances (i.e., death in the family, sickness of the student, etc.).

## **GRADUATION REQUIREMENTS**

A student is eligible for graduation only if:

1. The student has completed all required courses with a passing grade.
2. The student has accumulated the total number of credits required for graduation from his/her course of study.
3. The student has achieved a cumulative point average of 2.0.
4. The student has met all financial obligations to the school.
5. The student has completed the exit interview process.
6. The student has met the attendance requirements of his/her program.
7. Commercial Truck Driving students must pass Class A CDL test to complete program.

## **STUDENT AWARDS**

Awards for outstanding achievement are presented to deserving students based on performance and faculty recommendations. Graduates find these awards can be an asset when they seek future employment. The Education Department can provide information regarding the specific awards presented.

Per Quarter:

- Attendance Award – 95% - 100% attendance
- Academic Award – 3.50 GPA or better
- Dean's Award – 3.50 GPA or better with 95% or better attendance

Grad Awards: (Attendance and GPA for all quarters upon graduation)

- Attendance Award – 98% - 100%
- Honors Award – 3.50 or better GPA
- Honors & Attendance – 3.50 or better GPA & 98% or better attendance
- National Honor Society – 3.90 GPA or better and 98% attendance or better
- Valedictorian – graduate with highest GPA; if two or more students have same GPA, then it goes by best attendance. If same, then both are valedictorian.

## **DROP/ADD POLICY**

As courses offered at New Castle School of Trades are programmatic in nature, enrollment in all courses offered during a given quarter must be maintained. Students may not drop or add individual classes during any quarter within their program.

## **ATTENDANCE POLICY**

New Castle School of Trades has no system of excused absences, and all absences are recorded regardless of the reason. Attendance is vital to the achievement and acquisition of good work habits. Graduates are screened by prospective employers not only for academic achievement, but for attendance as well. Students are expected to call the school in the event of absence. Attendance is taken every hour in every class. Students may be terminated for the following reasons:

- Failing to take the final exam in any quarter.
- Failing to attend classes for 85% per quarter.
- Failing to attend Heavy Equipment Operations with Commercial Truck Driving, Commercial Truck Driving, and Diesel & Heavy Equipment Repair Technology 90% per quarter.

In addition, students providing the school with official written notification of their intent to drop will be withdrawn.

Absences are recorded in the student's permanent record and become part of his or her permanent transcript. Veteran and agency sponsored students' attendance will be reported to the appropriate government agency.

Appeals must be submitted by the student in writing no later than the last day of the grading period, and can only be granted for mitigating circumstances by the School Director.

In the event of an absence or tardy, all missed work must be made up.

Students are encouraged to schedule medical or dental appointments after school hours and should notify the appropriate instructor or department chairperson if he/she plans to be absent.

## **TARDINESS/EARLY DEPARTURE**

Tardiness is defined as arriving 10 minutes late or leaving 10 minutes early. Students who are tardy to class or leave early are charged 30 minutes of absence for the period. Tardiness is considered a disruption of class. Excessive tardiness will result in disciplinary action.

## **MAKE UP WORK**

Students are required to make up all assignments and work missed as a result of absence. The instructor may assign additional outside make up work to be completed for each absence. Arrangements to take any tests missed because of an absence must be made with the instructor. Missed time may be made up if extenuating circumstances exist. Make up time is determined at the discretion of the Director of Education.

## **WITHDRAWAL AND TERMINATION**

Failure to withdraw properly may result in the assignment of failing grades, which then become a part of the student's permanent record.

Students wishing to withdraw must personally notify the Director of Education and complete an exit process which includes finalization of the student's records with the Education Office, Business Office, Financial Services Office and the Career Services Office. This process assures the student that all records are correct and that he or she has, or will, receive all services available from New Castle School of Trades.

## **PROGRAM CHANGES**

Students who wish to change programs must contact the Director of Education. In order to be eligible to change programs, all current program financial obligations to the school must be satisfied.

## **PROGRAM ADVISORY COMMITTEES**

To uphold our dual commitment to high-quality, career-oriented training with maximum employability of graduates, the school has established Program Advisory Committees (PAC) for each program offered. The Program Advisory Committees are comprised of industry members and employers who formally meet regularly, at least twice per year, and as needed to assist in making decision regarding curriculum changes, equipment purchases and program enrichment. The Program Advisory Committees make it possible for the school to continually graduate students who are in step with, and sometimes ahead of, industry needs.

## **HOMEWORK**

To aid in the acquisition of the discipline-defined skill and the competency outlined on the course syllabus for each course, students will be required to participate in both in-class activities as well as complete out-of-class work. In-class work may include, but is not limited to, scheduled meeting times devoted to lecture, laboratory work/hands-on practice, and demonstrations. Out-of-class work is assigned such that it is to be completed at times other than scheduled class meeting time. For courses that contain lecture hours, students are expected to spend a minimum of two hours on out-of-class work for every one-hour spent in the lecture portion of each class. Out-of-class work may include, but is not limited to, use of the laboratory to practice skills, reading assignments, library research and other assigned homework or projects.

## **REQUESTING ACCOMMODATIONS**

Students requesting accommodations must first provide professional verification of the condition(s) that necessitate the accommodation utilizing the New Castle School of Trades Request for Accommodations form. Students can request this form from the Director of Education. Verification must be by a licensed health care provider who is qualified to diagnose the disability being claimed. This verification must indicate how the student is limited by his or her disability. The student shall provide the verification documentation to the Director of Education. The student may be required to provide additional information if the initial information provided is incomplete or inadequate

to determine the need for accommodations. The request must be made one week prior to the start of the term. Any cost associated with obtaining professional verification of a learning disability shall be borne by the student.

### **GRANTING REASONABLE ACCOMMODATIONS**

A reasonable accommodation is a modification or adjustment to a program, service, or activity that provides a qualified student with a disability an equal opportunity to participate in the school's programs. These services include but are not limited to: additional time to complete exams, taking exams in a quiet non-distracting room, faculty help sessions, etc. The Director of Education will notify the student promptly once a decision has been reached regarding whether or not an accommodation is granted. Students receiving accommodation shall meet with the Director of Education to evaluate the effectiveness of the accommodations in place. New Castle School of Trades faculty and staff will be informed of qualifying students' accommodations as deemed necessary by the institution.

### **CHALLENGING ACCOMMODATION DECISIONS**

If a student does not believe the accommodation decision will adequately address his or her disability, the student must contact the Campus Director. All decisions rendered by the Campus Director are final.

A student's decision about whether to self-identify as a person with a disability is a personal one. Individuals with disabilities are welcome to discuss their concerns with the staff. The decision not to self-identify as disabled is understood and respected.

It is each student's responsibility to ask for and make use of these accommodations. Each student is ultimately responsible for his or her academic success. Students must take the initiative to use time, facilities, and support services in a productive manner. For more information please contact the Director of Education. All inquiries are confidential.

### **COPYRIGHT INFRINGEMENT/NETWORK USE POLICY**

New Castle School of Trades (NCST) requires its students to respect the rights of others, including intellectual property rights. The federal Copyright Act prohibits the unauthorized making and distribution of copyrighted material. Violations of the Copyright Act may subject students to civil and criminal liabilities. These liabilities include, but are not limited to, actions by a copyright owner to recover actual damages, profits or statutory damages, as well as reasonable attorneys' fees and costs, and federal criminal charges that may result in fines and imprisonment.

New Castle School of Trades provides its students with access to computer equipment, e-mail accounts, and the Internet, exclusively for educational activities. New Castle School of Trades students are prohibited from using any of the foregoing, or any other New Castle School of Trades information technology systems, for the unauthorized copying or distribution of copyrighted materials. Downloading, viewing, distributing, or sending any pornographic or obscene materials is prohibited. Any communications by students via e-mail, instant messenger, voice mail, or fax that may constitute slander or defamation or may

be considered abusive, offensive, harassing, vulgar, obscene, or threatening is prohibited. This content includes, but is not limited to, sexual comments or images, racial slurs, gender-specific comments, or any other comments that would offend someone on the basis of age, race, sex, color, religion, national origin, ancestry, physical challenge, sexual orientation, or veteran status.

Any individual with a complaint about such communications should meet with the Director of Education about the communications. Students should not expect computer files, e-mail, voice mail, or Internet bookmarks to be either confidential or private. New Castle School of Trades periodically monitors communications to detect and deter unauthorized copying and distribution of copyrighted materials. Students should have no expectation of privacy whatsoever related to their use of New Castle School of Trades systems. Any computer-generated correspondence, the contents of all computer hard drives on the college premises, as well as saved voice mail messages are the sole property of the institution, may be considered business records, and could be used in administrative, judicial, or other proceedings.

Students are not permitted to copy or remove any New Castle School of Trades installed software. By using the computer equipment, software, and communications devices, all students knowingly and voluntarily consent to being monitored and acknowledge the institutions' right to conduct such monitoring. The equipment is intended for educational purposes only, any other use by students – including, but not limited to any of the prohibited conduct described herein – will be dealt with under the “Student Conduct and Discipline” portion of catalog and may result in discipline up to and including dismissal from New Castle School of Trades.

# STUDENT CONDUCT AND DISCIPLINE

The following statements define some behaviors that are not in harmony with the educational goals of New Castle School of Trades:

1. Academic dishonesty such as cheating, plagiarism or knowingly furnishing false information to the school.
2. Forgery, alteration, misuse or mutilation of school documents, records, identification, educational materials, and school property.
3. Obstruction or disruption of teaching, administration, disciplinary procedures or other school activities including public service functions or other authorized activities on or off premises.
4. Physical or verbal abuse of any person or conduct which threatens or endangers the health or safety of another.
5. Theft of or damage to property of New Castle School of Trades including using or attempting to use school property in a manner inconsistent with its designed purpose.
6. Unauthorized entry to, use of or occupation of school facilities.
7. Intentional or unauthorized interference with a right of access to school facilities or freedom of movement or speech of any person on the premises.
8. Use or possession of firearms, ammunition or other dangerous weapons, substances or materials or bombs, explosives or incendiary devices.
9. Disorderly conduct or lewd, indecent or obscene conduct or expression.
10. Violation of a federal, state or local ordinance including, but not limited to, those covering alcoholic beverages, narcotics, gambling, sex offenses or arson, of which violation occurs on school property or at a school function (Please refer to the Drug Free Policy established by the school for further information.)
11. Rioting, aiding, abetting, encouraging or participating in a riot.
12. Failure to comply with the verbal or written directions of any school official acting in the performance of his/her duty and in the scope of his/her authority or resisting a security officer while acting in the performance of his/her duties.
13. Aiding and abetting or inciting others to commit any act of misconduct set forth in #1 through #12 listed above.
14. Conviction of a crime which is of a serious nature. Upon filing of charges in court involving an offense which is of a serious nature, and it is administratively determined that the continued presence of the student would constitute a threat or danger to the school community, such student may be suspended pending disposition of the charges in court.
15. Refusal to abide by student dress code policy.
16. Careless driving or failure to obey posted speed limits
17. Theft or damage of property belonging to the employees, students or visitors of the school by intent or willful negligence

Violation of any of the above may subject the student to any of the following:

- A. Reprimand.
- B. Specific restrictions may be imposed.
- C. Disciplinary probation. Further infractions will result in suspension if they occur within the specified probationary period.
- D. Temporary suspension.
- E. Termination.

After being terminated, a student may be readmitted only after a written request is approved by the School Director. Readmission will be on a probationary basis only. Students returning must follow the reinstatement procedure noted in this catalog. Any further infraction of the school policies will necessitate permanent termination.

The school understands that every student has certain rights, which must be respected, just as they themselves must respect their obligation to the school.

Rights, however, are not absolute. Along with every right is a corresponding obligation and duty to respect the rights of others, to adhere to all reasonable rules and regulations established for the government of the school, the damaging of the property, rights, and possessions of others.

It becomes incumbent on the part of all students to follow the School's Student Conduct & Discipline Policy prescribed for the operations of New Castle School of Trades, New Castle, PA.

Any other offenses which may be detrimental to the staff, students or graduates of New Castle School of Trades may result in the aforementioned penalties at the determination of the School Director.

## **U.S. VOTER REGISTRATION**

Students may stop at the main office of New Castle School of Trades or visit their local post office to obtain the required Voter Registration form and necessary requirements outlined by their state. For a downloadable version of the Voter Registration form go to: [www.votespa.com](http://www.votespa.com).

## **CONSTITUTION AND CITIZENSHIP DAY (SEPTEMBER 17TH)**

The Consolidated Appropriations Act, 2005 states that "each educational institution that receives Federal funds for a fiscal year shall hold an educational program on the United States Constitution on September 17 of such year for the students served by the educational institution." The law requires that Constitution Day be held on September 17 of each year, commemorating the September 17, 1787, signing of the Constitution. However, when September 17 falls on a Saturday, Sunday, or holiday, Constitution Day shall be held during the preceding or following week.

## **PROFESSIONAL COUNSELORS**

New Castle School of Trades does not employ pastoral or professional counselors. The following list is made available to all students, faculty and staff:

- National Center for Victims of Crime, Abuse & Domestic Violence and Rape, at 800-394-2255
- National Domestic Violence Hotline at 1-800-799-7233 or 1-800-787-3224
- Family and Children's Services at 1-800-222-8000
- National Child Abuse Hotline at 1-800-422-4453
- National Sexual Assault Hotline at 1-800-656-HOPE
- Rape, Abuse, and Incest National Network (RAINN) at 1-800-656-HOPE (4673)
- Alcoholics Anonymous at 1-800- 234-0246
- American Council on Alcoholism Help Line at 1-800-527-5344
- National Council on Alcoholism at 1-800-NCA-CALL
- National Institute on Drug Abuse Hotline at 1-800-662-HELP
- Drug and Alcohol Abuse Hotline at 1-800-234-0420
- Cocaine Hotline at 1-800-COCAINE
- Substance Abuse and Mental Health Services Administration at 1-800-662-HELP
- National Suicide Prevention Hotline at 1-800-273-8255
- National Alliance on Mental Health at 1-800-950-6264



# PROGRAMS OF STUDY

## GENERAL INFORMATION

New Castle School of Trades offers programs designed to prepare students in the shortest time possible for entry-level positions in business and industry. Certain credits in the diploma programs, may be transferred to the Associate in Specialized Technology Degree offered. The approved program awards presented are listed below:

<b>Program</b>	<b>Award</b>
Automotive Technology	Associate in Specialized Technology Degree
Building Technology	Associate in Specialized Technology Degree
Diesel & Heavy Equipment Repair Technology	Associate in Specialized Technology Degree
Electrical Technology	Associate in Specialized Technology Degree
Industrial Electro-Mechanical Technology	Associate in Specialized Technology Degree
Machinist Technology	Associate in Specialized Technology Degree
Motorcycle & Power Equipment Technology	Associate in Specialized Technology Degree
Refrigeration & A/C Technology	Associate in Specialized Technology Degree
Combination Welding	Diploma
Commercial Truck Driving	Diploma
Heavy Equipment Operations with Commercial Truck Driving	Diploma

Commercial Driver's License (CDL) Class "A"  
Commonwealth of Pennsylvania  
State of Ohio

Commonwealth of Pennsylvania Certification Program  
Safety Inspection Mechanic Training

Air Condition Contractors of America (ACCA)  
CFC Section 608 Certification Exam  
(Refrigeration Transition and Recovery Certification Exam)

American Welding Society  
Various ASME Certification Exams

**ALL PUBLISHED PROGRAM LENGTHS WITHIN THIS CATALOG REFLECT INSTRUCTIONAL WEEKS AND ACTUAL PROGRAM LENGTHS ARE TYPICALLY LONGER DUE TO SCHEDULED HOLIDAYS AND BREAKS.**

AUTOMOTIVE TECHNOLOGY	60 INSTRUCTIONAL WEEKS
BUILDING TECHNOLOGY	60 INSTRUCTIONAL WEEKS
COMBINATION WELDING	50 INSTRUCTIONAL WEEKS
ELECTRICAL TECHNOLOGY	60 INSTRUCTIONAL WEEKS
MACHINIST TECHNOLOGY	60 INSTRUCTIONAL WEEKS
DIESEL & HEAVY EQUIPMENT REPAIR TECHNOLOGY	60 INSTRUCTIONAL WEEKS
REFRIGERATION & AC TECHNOLOGY	60 INSTRUCTIONAL WEEKS
COMMERCIAL TRUCK DRIVING	6 INSTRUCTIONAL WEEKS
COMMERCIAL TRUCK DRIVING	15 INSTRUCTIONAL WEEKS
HEAVY EQUIPMENT OPERATIONS W/COMMERCIAL TRUCK DRIVING	30 INSTRUCTIONAL WEEKS
INDUSTRIAL ELECTRO-MECHANICAL TECHNOLOGY	60 INSTRUCTIONAL WEEKS
MOTORCYCLE & POWER EQUIPMENT TECHNOLOGY	60 INSTRUCTIONAL WEEKS

**THE SCHOOL CALANDER LISTING OF HOLIDAYS AND BREAKS IS PUBLISHED ON PAGE 80 OF THE SCHOOL CATALOG.**

# **AUTOMOTIVE TECHNOLOGY**

Associate in Specialized Technology Degree

90 Quarter Credits, 60 Weeks

## **OBJECTIVES**

The Automotive Technology program is structured to provide the student with the entry level job skills and knowledge necessary to enter the work market as an automotive technician. Graduates are prepared to maintain, diagnose, and service the vehicles found in the automotive industry.

## **CAREER OPPORTUNITIES**

Graduates of the Automotive Technology program should be able to find entry-level employment opportunities as automotive technicians in any of the nine ASE automotive repair categories.

## **EQUIPMENT**

Students will use the following equipment: a computerized automotive information system, four- wheel computerized alignment machine, computerized wheel balancer, articulating arm tire machine, brake lathe, exhaust gas analyzer, diagnostic computer scanners, lab scopes, fuel injection test equipment, basic engine testing tools, specialized automatic transmission tools, electronic circuit testing tools and meters, and air conditioning recovery and recharging equipment.

## **PROGRAM OUTLINE**

Course No.	Course	Credit Hours
A110	Engine Repair & Testing	12.00
A111	Electrical Systems	12.00
A112	Heating, AC & Circuitry	12.00
A113	Automotive Chassis	12.00
A220	Automotive Drivetrains	12.00
A221	Engine Performance	12.00
M150	Core Competencies	3.00
M205	Technical Math	3.00
R191	Metallurgy & Joining	3.00
R228	Business Management	3.00
R229	Service & Finance	3.00
R230	Computers & Job Search	3.00

*The order in which the above courses are offered is at the discretion of the school.*

# BUILDING TECHNOLOGY

Associate in Specialized Technology Degree

90 Quarter Credits, 60 Weeks

## OBJECTIVES

This curriculum is designed to provide classroom, lab and “hands-on” training in the residential construction and remodeling fields; with particular emphasis and placed on the fields of carpentry, millwork, masonry, interior and exterior finishes and roofing for entry-level positions in a number of areas.

## CAREER OPPORTUNITIES

Upon graduation, students are obtaining positions in the following occupations: carpenters assistants, aluminum/vinyl siding applicators, painters, masonry helpers, construction workers, building maintenance and roofing assistants.

## EQUIPMENT

Students in the Building Technology program will work on the following equipment: table saw, radial arm saw, miter saw, disk sander, drill press, mortar mixer, band saw, planner, joiner, router, assorted power tools and pneumatic nailer.

## PROGRAM OUTLINE

Course No.	Course	Credit Hours
B121	Interior Finishes & Utilities	12.00
B122	Construction Management	7.00
B123	Doors & Windows	5.00
B124	Framing	9.00
B125	Exterior Finishes	12.00
B220	Roof Construction	12.00
B221	Projects & Services	15.00
M150	Core Competencies	3.00
M205	Technical Math	3.00
M206	Applied Math	3.00
R228	Business Management	3.00
R229	Service & Finance	3.00
R230	Computers & Job Search	3.00

*The order in which the above courses are offered is at the discretion of the school.*

# DIESEL & HEAVY EQUIPMENT REPAIR TECHNOLOGY

Associate in Specialized Technology Degree

100.50 Quarter Credits, 60 Weeks

## OBJECTIVES

Graduates will have the ability to diagnosis troubles and disassemble diesel engines; replace pistons, bearings, gears, valves and bushings; install ignition systems; replace steering/suspension components; replace transmissions and parts; lubricate moving parts; diagnosis problems with and replace chassis assemblies; repair undercarriages and replace and repair pneumatic or hydraulic brake systems. These skills will be taught in both classroom and lab environments.

## CAREER OPPORTUNITIES

The students will acquire the entry-level skills necessary to work in the diesel engine and construction equipment mechanics field. The skills can be applied to semi tractors, diesel powered automobiles, heavy-construction equipment and farm equipment.

## EQUIPMENT

The students will perform repairs on various semi tractors, diesel engines and heavy construction equipment. The students will use a computerized information system, diagnostic computer scanners, lab scopes, fuel injection test equipment, basic engine testing tools, specialized transmission tools, electronic circuit testing tools and meters.

## PROGRAM OUTLINE

Course No.	Course Title	Credits
D120	Diesel Engine Repair	7.00
D121A	Diesel Engine Repair Lab	7.00
D122A	Electrical & Electronics	6.00
D123A	Electrical & Electronics Lab	5.00
D124	Chassis & Braking Systems	7.00
D125A	Chassis & Breaking Systems Lab	7.00
D220	Engine Analysis & Powertrains	7.00
D221A	Analysis & Powertrains Lab	7.00
D222	Heavy Equipment Repair	7.00
D223A	Heavy Equipment Repair Lab	7.00
D224	Commercial Truck Driving	12.50
M150	Core Competencies	3.00
M205	Technical Math	3.00
M206	Applied Math	3.00
R191	Metallurgy & Joining	3.00
R228	Business Management	3.00
R229	Service & Finance	3.00
R230	Computers & Job Search	3.00

*The order in which the above courses are offered is at the discretion of the school.*

# ELECTRICAL TECHNOLOGY

Associate Degree in Specialized Technology Degree

90 Quarter Credits, 60 Weeks

## OBJECTIVES

This program is designed to provide students with entry level knowledge and skills to install and service electrical applications within the residential/commercial and industrial fields. The program covers in practice and theory residential/commercial wiring, machine control, programmable controllers, telecommunications, solid state and electronic control.

## CAREER OPPORTUNITIES

Graduates of the Electrical Technology program will be able to assume entry level positions as panel builders and testers, machine repair technicians, electrical assemblers, electrical helper, electrical apprentice, industrial maintenance technician.

## EQUIPMENT

Throughout the program, students will work with the following types of equipment: various types of meters, conduit benders, all phases of motor control equipment, 3-phase motors, single phase motors, assorted residential, commercial, and industrial components, oscilloscope and programmable logic controllers.

## PROGRAM OUTLINE

Course No.	Course	Credit Hours
E105	Electricity & Residential Wiring	12.00
E106	Circuitry, Services & Conduit	9.00
E205	AC/DC & Motors	12.00
E206	Motor Control	15.00
E207	Solid State Electronics	12.00
E208	Programmable Logic Controllers	12.00
M150	Core Competencies	3.00
M205	Technical Math	3.00
M206	Applied Math	3.00
R228	Business Management	3.00
R229	Service & Finance	3.00
R230	Computers & Job Search	3.00

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*The order in which the above courses are offered is at the discretion of the school.*

# INDUSTRIAL ELECTRO-MECHANICAL TECHNOLOGY

Associate in Specialized Technology

90 Quarter Credits, 60 Weeks

## OBJECTIVES

Students will acquire skills in the areas of commercial and industrial electricity, welding, HVAC, pneumatics, hydraulics, gaskets/seals, pumps, plumbing, equipment maintenance, forklift operation, wind power generation and solar power. Students will also be trained in safety procedures and be familiar with tools used in an industrial setting.

## CAREER OPPORTUNITIES

The skills acquired in the program will be applicable to entry-level positions as Maintenance Mechanics, Maintenance Engineers and Building Superintendents. These job titles are in demand at manufacturing companies, mills, industrial plants, the gas & oil industry, hospitals, hotels, apartment complexes and real estate management companies. For graduates willing to travel or relocate, opportunities as wind turbine technicians and photovoltaic installers are available.

## EQUIPMENT

During the course of study in this program students will be exposed to conduit bending equipment, motor controls, electric motors, test meters, service panels, freezers/refrigerators, air conditioners, heating systems, precision measuring tools, pneumatic equipment, hydraulic equipments, pumps, valves, plumbing tools, plumbing fixtures, arc and MIG welders, cutting torches, wind turbines, solar components and forklift.

## PROGRAM OUTLINE

Course No.	Course	Credit Hours
I170A	Electricity & Fluids I	6.00
I171	Rigging, Safety & Tools	3.00
I172A	Welding & Cutting I	4.50
I174A	Electricity & Controls I	6.00
I175	Industrial Mechanics I	5.00
I270A	Electricity & Fluids II	6.00
I272	Welding & Cutting II	4.50
I274	Electricity & Controls II	6.00
I275	Industrial Mechanics II	5.00
I276	Industrial Mechanics III	5.00
I277	HVAC I	4.50
I278	HVAC II	4.50
I279	Solar & Wind I	6.00
I280A	Solar & Wind II	6.00
M150	Core Competencies	3.00
M205	Technical Math	3.00
M206	Applied Math	3.00
R228	Business Management	3.00
R229	Service & Finance	3.00
R230	Computers & Job Search	3.00

*The order in which the above courses are offered is at the discretion of the school.*

# MACHINIST TECHNOLOGY

Associate in Specialized Technology Degree

90 Quarter Credits, 60 Weeks

## OBJECTIVES

The Machinist Technology program is geared to provide the beginning machinist with the abilities, skills and techniques for entry-level positions in the field of machine trades. Students will be exposed to a combination of classroom theory and “hands-on” projects that will enable them to quickly develop the skills needed in the machine trades field.

## CAREER OPPORTUNITIES

Graduates will be able to assume responsible entry level positions as machinists and machine operators, metalworkers, CNC operators, tool programmers and CAD operators.

## EQUIPMENT

Students will utilize the following equipment: horizontal band saw, milling machines, lathes, hydraulic presses, drill press, shaper, fixturing jigs, precision measuring instruments, CNC lathe and mill, toolpost surface, and pedestal grinders.

## PROGRAM OUTLINE

Course No.	Course	Credit Hours
MT120	Turning, Prints & Practices	12.00
MT121	Milling, Dimensioning & Tolerance	9.00
MT250	Shaping Operations	6.00
MT260	Operations & CNC Principles	15.00
MT270	CNC Milling Operations	15.00
MT271	CNC Turning Operations	15.00
M150	Core Competencies	3.00
M205	Technical Math	3.00
M206	Applied Math	3.00
R228	Business Management	3.00
R229	Service & Finance	3.00
R230	Computers & Job Search	3.00

*The order in which the above courses are offered is at the discretion of the school.*



# MOTORCYCLE & POWER EQUIPMENT TECHNOLOGY

Associate in Specialized Technology Degree

90 Quarter Credits, 60 Weeks

## OBJECTIVES

Graduates will have the ability to diagnosis, troubleshoot and disassemble small engines; replace pistons, bearings, gears, valves and bushings; install ignition systems; perform wheel alignment and replace steering/suspension components; replace clutches, transmissions and parts; lubricate moving parts; diagnosis problems with and replace chassis assemblies; disassemble and replace hydraulic brakes; preform necessary maintenance and checks on various pieces of equipment. The skills will be taught in both classroom and lab environments.

## CAREER OPPORTUNITIES

The students will acquire the entry-level skills necessary to work in the small engine repair field. The skills can be applied to motorcycles, all-terrain vehicles, motorboats, personal watercraft, snowmobiles, riding tractors, lawn mowers and various pieces of power equipment.

## EQUIPMENT

The students will perform repairs on various small engines. The students will use a computerized information system, tire machine, brake equipment, gas analyzer, diagnostic computer scanners, lab scopes, fuel injection test equipment, basic engine testing tools, specialized transmission tools, electronic circuit testing tools and meters.

## PROGRAM OUTLINE

Course No.	Course	Credit Hours
P120	Powersports Maintenance	12.00
P121	Powersports Equip. Ops & Repair	12.00
P122	Electrical Systems	12.00
P220	Fuel & Electronic Systems	12.00
P221	Drivetrains, Hydraulics & Suspension	12.00
P222	Powersports Performance & Repair	12.00
M150	Core Competencies	3.00
M205	Technical Math	3.00
M206	Applied Math	3.00
R228	Business Management	3.00
R229	Service & Finance	3.00
R230	Computers & Job Search	3.00

*The order in which the above courses are offered is at the discretion of the school.*

# REFRIGERATION & A/C TECHNOLOGY

Associate in Specialized Technology Degree

90 Quarter Credits, 60 Weeks

## OBJECTIVES

This program is designed to provide students with the entry level knowledge and skills to install and repair: heating, air conditioning and commercial/residential refrigeration equipment. The program covers in practice and theory the electrical requirements from power sources to circuits, diagnosing, troubleshooting and installation of RHVAC equipment and systems including ductwork and sheet metal fabrication.

## CAREER OPPORTUNITIES

Graduates will be able to assume entry level positions as air conditioning service and installation technicians, parts and counter persons, building maintenance, refrigeration technicians, furnace installers including sheet metal fabricating.

## EQUIPMENT

Students will work on the following types of equipment in the HVAC lab: commercial walk in coolers and freezers, central A/C, high, medium and low efficiency gas furnaces, oil furnaces and sheet metal fabrication brakes and formers.

## PROGRAM OUTLINE

Course No.	Course	Credit Hours
H110	Refrigeration Fundamentals	12.00
H111	Electricity & Circuitry	12.00
H112	Sheet Metal & Air Distribution	12.00
H210	Heating & Climate Control	12.00
H211	A/C & Heat Pumps	12.00
H212	Commercial Refrigeration	12.00
M150	Core Competencies	3.00
M205	Technical Math	3.00
M206	Applied Math	3.00
R228	Business Management	3.00
R229	Service & Finance	3.00
R230	Computers & Job Search	3.00

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*The order in which the above courses are offered is at the discretion of the school.*

# COMBINATION WELDING

Diploma

75 Quarter Credits, 50 Weeks

## OBJECTIVES

The Combination Welding Program is a series of comprehensive courses to provide graduates with a well - rounded background in various welding applications and techniques based on ASME and AWS specifications. Students will be prepared to participate in a variety of projects with a reasonable chance to pass qualification tests. This program provides the training for entry level employment in many facets of the welding field.

## CAREER OPPORTUNITIES

Graduates of the Combination Welding Program will be qualified for positions such as combination welders, fabricators, repair welders, pipeline welders, pipe welders, construction welders and burners.

## EQUIPMENT

During the course of this program, students will be introduced to and use oxy fuel equipment, electric arc welders, gas metal arc welders, flux cored arc welders, gas tungsten arc welders, portable and semi-automatic burning equipment, carbon and plasma arc cutting equipment, hydraulic shear, horizontal band saw, grinders and beveller.

## PROGRAM OUTLINE

Course No.	Course	Credit Hours
W150	SMAW & Cutting	4.00
W151	SMAW & Cutting Lab	7.00
W152	SMAW Pipe Welding	11.00
W153	Multi Welding Processes	11.00
W250	Semi Auto, TIG & Nonferrous	15.00
W251	Pipe, Fab & Fitting Processes	11.00
M180	Trade Math	4.00
R280	Theory & Calculations	4.00
R180	Print Reading	4.00
R181	Career Prep & Finance	4.00

*The order in which the above courses are offered is at the discretion of the school.*

# COMMERCIAL TRUCK DRIVING

Diploma Program

13 Quarter Credits, 6 Weeks for Weekday program and 15 Weeks for Weekend program

## OBJECTIVES

The objective of the commercial truck driving course is to qualify students for entry level positions as drivers in over-the-road or local driving vehicles. The focus of the course is on basic information about trucks, truck driving and the trucking industry and the fundamentals of operating trucks and tractor trailers. No prior education or experience with trucks is required. The student, however, must meet the driver qualifications set forth by the Bureau of Motor Carrier Safety and pass the physical examination requirements set forth by the Department of Transportation (D.O.T.).

## CAREER OPPORTUNITIES

Graduates of the Commercial Truck Driving program will be able to assume entry level positions as local and over-the-road tractor-trailer drivers, delivery truck drivers, van drivers, dump truck drivers, and drivers of other vehicles relating to the transport industry.

## EQUIPMENT

During the course of study students will train and practice in tractor-trailers similar to those found in the trucking industry.

## PROGRAM OUTLINE

Course No.	Course	Credit Hours
T110	Driver Safety & Procedures	4.00
T120	Basic Operation	5.00
T210	Operating Practices	4.00

## TRACTOR TRAILER REFRESHER TRAINING:

Refresher training is available to graduates of a recognized commercial driving program of former CDL Class "A" holders at a cost of \$75.00 per hour (4 hour minimum). The refresher fee must be paid in advance. Training will be scheduled at the discretion of the school. A current CDL class "A" permit is required for refresher training.

# HEAVY EQUIPMENT OPERATIONS WITH COMMERCIAL TRUCK DRIVING

50 Quarter Credits,- 30 Weeks

## OBJECTIVES

Graduates of this program will acquire the skills necessary to operate a variety of light/heavy equipment used in the construction and transportation industry. In addition the graduate will be trained to drive a tractor-trailer in order to take the Class A Commercial Driver's License Test. Through a mix of theory classes and hands-on practice the graduates of the program will be able to operate a tractor (semi truck) and trailer, fork-truck, dump truck, bulldozer, backhoe, front-loader, excavator, tractor and have the ability to maneuver a trailer for the loading and unloading of equipment and materials. These skills are supplemented with math, print reading, soil studies and finishing/grading procedures.

## CAREER OPPORTUNITIES

Graduates of Heavy Equipment Operations will be qualified for entry-level positions as Tractor-Trailer Drivers, Dump Truck Drivers, Heavy Equipment Operators, Grade Helpers and Forklift Operators.

## EQUIPMENT

Students will operate and use the following major pieces of equipment: Tractor-trailer combinations, dump truck, bulldozer, excavator, front-loader, backhoe, tractor and fork-truck.

## PROGRAM OUTLINE

Course No.	Course	Credit Hours
HE101	Safety & Heavy Equipment Maintenance	2.50
HE102	Heavy Equipment Concepts	6.00
HE103	Heavy Equipment Ops	5.50
HE104	Driver Procedures	4.50
HE105	Basic Ops & Maneuvers	4.00
HE106	Truck & Trailer Ops	3.50
HE201	Soils Finishing & Grading	5.50
HE202	Earth Moving	5.50
HE203	Excavating	5.50
CC150	Trade Foundations	2.50
CC151	Employability & Finance	2.50
CC152	Field Math	2.50

*The order in which the above courses are offered is at the discretion of the school.*

# COURSE DESCRIPTIONS

## **A110 Engine Repair & Testing**

Introduces the principles, design, construction, operation and maintenance of automotive engines. Activities include shop safety, use of manuals, use of tools and a complete engine tear-down for diagnosis and troubleshooting.

## **A111 Electrical Systems**

This course will provide the students with the needed background to operate electrical testing equipment, interpret electrical wiring diagrams, locate electrical components, test and repair electrical/electronic circuits and components.

## **A112 Heating, A/C & Circuitry**

This course covers the operation, troubleshooting, and service of heating and air conditioning systems. Service procedures covered include: charging, discharging, evacuating, leak testing, performance testing, and removal and installation of major system components. A study in schematics and instrumentation will enhance this course.

## **A113 Automotive Chassis**

In this course, the student will be exposed to the fundamentals of automotive braking systems, suspension and steering systems with emphasis on actual service procedures from diagnostic methods through all necessary corrective operations.

## **A220 Automotive Drivetrains**

This course will focus on the operation, troubleshooting and repair of automatic and electrically controlled transmissions and transaxles as well as the operation and service of clutches, manual transmissions, manual transaxles, constant velocity joints, and drive train components.

## **A221 Auto Engine Performance**

This course provides training in the testing and service of ignition systems, emission control systems, fuel systems, and computerized engine controls.

## **B121 Interior Finishes & Utilities**

This study will include the different types of finishes used on interior construction such as: drywall hanging and finishing, painting, textured ceilings and walls, and trim work. Covers the various utilities and services encountered in the field of residential construction. A mix of classroom and lab will focus primarily on plumbing with discussions on electrical services.

## **B122 Construction Management**

In this course, the student will be introduced to interpreting the various types of construction blueprint plans from symbols, nomenclature and dimensioning towards the application of these plans for construction. Uniform building codes, job safety, material estimating and leadership are also taught within this course

**B123                    Doors & Windows**

This course is designed to provide the students with the opportunity to gain the experience of door and window installation, along with the ability to install and mortise locksets. Weatherization of openings is covered.

**B124                    Framing**

The basic concepts of the way wood is cut, fastened, worked and finally finished to build various objects is explored in this course. Basic floor and wall layout in respects to project construction is covered. Three different types of stair construction will be taught as well as cabinet installation.

**B125                    Exterior Finishes**

This course is designed to provide the student with the opportunity to gain the knowledge of various types of siding, its installation along with siding trim and accessories, spouting, roof coverings, flashing and weatherproofing. Masonry is also explored as an exterior finish.

**B220                    Roof Construction**

The basic fundamentals of carpentry are used in this course. Emphasis will be placed on roof framing with various roof styles being covered. This is done by framing a roof system in the lab as well as the calculations to do this.

**B221                    Services & Projects**

This class will provide the student with the opportunity, to apply the various skills learned in carpentry, finish work, roofing, etc. in the program to construct projects, building repairs and remodeling projects. Estimating, crew leadership and project supervision are taught and practiced.

**CC150  
Trade Foundations**

This course is a combination of important aspects of the heavy equipment and construction industry. General safety and material handling will be discussed. Common tools are identified. Rigging will demonstrated and practiced. Print reading be a major focus of this course. Basic computer skills, job search, interviewing and resume writing will be practiced.

**CC151                    Employability & Finance**

This course provides effective job search techniques with emphasis placed on the written and verbal aspects of job placement. Topics include the final resume, employment applications, interviewing techniques, how to find job openings and tools which may be employed in finding those openings. In addition, the course covers key concepts needed to build financial plans and a career. Understanding personal finances, evaluating and making financial decisions, anticipating shortages and problems that can disrupt financial plans are areas of focus.

**CC152                    Field Math**

Mathematical functions, construction geometry and basic algebra are applied to the trades. Calculations that would occur on routine job sites are studied and performed. Material estimation, grade calculations, excavation volumes, angles and areas of various shapes are focuses of the application of math.

**D120                    Diesel Engine Repair**

This class introduces the repair and maintenance of diesel engines. The principles, design, construction, operation and maintenance of automotive engines are introduced.

**D121A                  Diesel Engine Repair Lab**

This lab course includes shop safety, the use of tools, and engine tear down for diagnosis and troubleshooting.

**D122A                  Electrical & Electronics**

This course will provide students with the required background to operate electrical testing equipment interpret wiring diagrams, locate electrical components, and test/ repair electrical circuits and components.

**D123A                  Electrical & Electronics Lab**

This lab course will provide students with the needed skills required to perform diagnostics, proper use of diagnostic tools, electronic engine programming, and diagnosis/troubleshooting electrical & electronic problems.

**D124                    Chassis & Braking Systems**

In this course the student will be exposed to the fundamentals of heavy truck suspension, steering systems and braking systems. The basic principles of hydraulic and pneumatic systems will be discussed.

**D125A                  Chassis & Braking Systems Lab**

In this lab course students will practice service procedures for heavy truck suspensions, steering systems and braking systems with emphasis on actual service procedures from diagnostic methods through all necessary corrective operations.

**D220                    Engine Analysis & Powertrains**

In this course the student will learn the concepts of inlet and exhaust systems, diesel fuel filters, fuel separators, fuel systems, governor operations, injection nozzles, corporation fuel systems, engine run-in, and engine troubleshooting. In an overview of powertrains, clutches, transmissions and drive axels will be discussed.

**D221A                  Analysis & Powertrains Lab    *\*Prerequisite D122***

In this lab course activities include shop safety, use of tools, and engine diagnosis and troubleshooting. Hands on activities will be performed on clutches, transmissions, propeller shafts and drive axle shafts.



## **D222 Heavy Equipment Repair**

In this course basic maintenance and repair of heavy equipment will be discussed. General heavy equipment components will be covered.

## **D223A Heavy Equipment Repair Lab**

This lab course will cover diagnostics and repairs on heavy equipment cooling systems, lubrication systems, hydraulic systems, brake system operations, testing and troubleshooting. Tools and attachments will be examined.

## **D224 Commercial Truck Driving**

In this course classroom students gain the knowledge necessary to operate as a truck driver including orientation to the program, filling out log books, map reading, hazmat regulations, what to do in case of an accident, and safety procedures common to all truck drivers. The hands-on portion of the course is practicing maneuvers necessary for driving and includes basic controls, coupling and uncoupling trailers, performing vehicle inspections, basic preventative maintenance and road driving. Completion of this course gives the student a reasonable chance at obtaining a Commercial Driver's License for their domiciled state.

## **E105 Electricity & Residential Wiring**

This is the study of the fundamental principles of electricity, the history of electricity, structure of matter, and their elements. The theory of basic electricity relative to atoms, electric charges, electron theory, how electricity is produced, alternating and direct current, the effect of electricity and magnetism, the use of multimeters, circuit components, Ohm's Law pertaining to series and parallel circuits. This course studies the fundamentals of switching circuits, preventing overloads, single and multi-pole switches, and other various types of controlling devices for domestic, commercial and industrial facilities. Students practice the fundamentals of circuit applications through the use of various electrical components in this lab class. Switches, receptacles, wiring, etc. are used to set up project circuits related to different types of specific field operations that the student may encounter.

## **E106 Circuitry, Services & Conduit** \*Prerequisite E105

This course continues dealing with circuit applications and the usage of various devices, applying the National Electric Code regulations and grounding methods that apply to local codes. The student will also study calculation and installation of residential services, the types of bends angle and length of conduit, the how's and why's to use a given size service for a specific home, and the parts of a service from the service drop down through the watt-hour meter to the panel to the branch circuits.

## **E205 AC/DC & Motors** \*Prerequisite E105

This class is the study of power sources. Kirchoff's Law, series parallel circuits, inductive and capacitance AC/DC circuits, power factors and transformer fundamentals, with hands-on projects. A fundamental study involving definitions,

NEMA Standards and the construction of various types of single phase motors. The study of operations, characteristics of split phase motors, three phase motors and troubleshooting various motors.

**E206                      Motor Control                      \*Prerequisite E105**

A study of theory relative to various types of controls, used in industry to include the practical understanding of logic and safety conditions required for the efficient control of single machines or a complex system. The course applies the various types of controls, design methods of motor controls, control transformers, fuses, disconnect circuit breakers, relay timers, solenoids and motor starters, extensive applications relative to the types of controls limit switches, temperature controls and switches, timers counters, and the types of motor starters for different types of electrical systems. Troubleshooting control devices and their circuits are also emphasized in this course.

**E207                      Solid State Electronics                      \*Prerequisite E105**

This theory is the study of solid state components, diodes, transistors, operational amplifiers, timers, SCR's and their application. Upon completion of this course the student will be able to troubleshoot electronic circuits. An in-depth study of electronic theory, electronic components through the building of discrete electronic circuits, power supplies, a robot and other basic electronic components. Students will also use various types of test equipment, to include: oscilloscopes, breadboards, multimeters and signal generators.

**E208                      Programmable Logic Controllers                      \*Prerequisite E105**

This course will focus on the underlying principles of how PLC's operate and also provide practical information about installing, programming, and maintain a PLC system. No previous knowledge of PLC systems or programming is assumed.

**H110                      Refrigeration Fundamentals & Processes**

This course offers a brief history of refrigeration, physics of refrigeration, temperature scales and conversion, basic refrigeration systems, refrigeration control devices, the different types of compressors, refrigerant recovery, recharging, pressure testing for leaks and evacuation, and the calculation skills to determine the proper displacement and capacity of refrigeration equipment. Cutting, swaying, bending, brazing, refrigerant recovery, recharging, pressure testing, evacuation and compressor assembly are practiced in lab.

**H111                      Electricity & Circuitry**

This course covers principals of electricity, Ohm's Law, series and parallel circuits, troubleshooting techniques, hermetic systems and controls, and sequence of operations, . HVAC controls including relays, thermostats, contactors, motor starters and use of meters are covered in this course. Circuit wiring and diagnosis are practiced.

## **H112 Sheet Metal & Air Distribution**

A study of the basic sheet metal layout, construction, fabrication and sizing of commonly used duct work components and transitions needed to conform to project design criteria. The study of air quality for human comfort by applying the principles of thermodynamics. The students develop skills on the modern techniques of heating and cooling calculations. The entire course is based on the use of the most current energy utilization and conservation measures available.

## **H210 Heating & Climate Control** \*Prerequisite H111

This course exposes students to equipment and practices involved in the installation and servicing of domestic heating systems. Troubleshooting is an integral part of this course. Students will learn to plot psychometric charts, measure airflow, development and use of ladder diagrams, relay operation, evaluation of air handlers and maintenance of equipment.

## **H211 A/C & Heat Pumps** \*Prerequisite H110 & H111

This course is designed to introduce the students to operation and design residential central air conditioners and heat pumps. Topics covered will include installation, service practices, wiring and control testing. In lab, the students will learn the skills needed to perform service and installation procedures for A/C and heat pump applications. Troubleshooting and diagnosis are a major portion of this curriculum.

## **H212 Commercial Refrigeration** \*Prerequisite H110 & H111

A course designed to familiarize the students with the basic criteria used in commercial refrigeration systems. Topics include: heat load/gains calculations, equipment selection and location, pipe sizing, installation practices, troubleshooting practices, refrigerant recycling/reclamation, preparation for E.P.A. certification test and sequence of operation and control systems. Lab includes defrost methods and controls, multiple evaporator systems, icemakers, split systems of walk-in units, system sizing and installation procedures and troubleshooting.

## **HE101 Safety & Heavy Equipment Maintenance**

In this course the various types of heavy equipment will be identified and safety protocol for each discussed and practiced. Preventative maintenance on equipment will be covered.

## **HE102 Heavy Equipment Concepts**

This course discusses and identifies operating procedures of various pieces of heavy equipment. Equipment discussed includes tractors, fork trucks, dump trucks, dozers, loaders, backhoes, compaction equipment, skid steers, trenchers and excavators.

### **HE103                    Heavy Equipment Ops**

In this course the students will practice safely operating various pieces of construction equipment. The students will perform basic operations with a tractor, dump truck, excavator, fork machine, front loader and bulldozer. Pre start inspections and preventative maintenance will be practiced on each machine.

### **HE104                    Driver Procedures**

This course is the classroom segment of Commercial Truck Driving. It provides training in the knowledge necessary to operate as a truck driver including orientation to the program, filling out log books, map reading, hazmat regulations, what to do in case of an accident, and safety procedures common to all truck drivers.

### **HE105                    Basic Ops & Maneuvers**

This segment of the program is designed for learning and practicing maneuvers necessary to truck driving. The majority of this course will be spent on the lot performing vehicle inspections, basic control, coupling and uncoupling trailers, backing, shifting, docking, and parallel parking.

### **HE106                    Truck & Trailer Ops**

This course is designed for practicing driving tractor trailers on the roadways. The following operations will be performed: Pre-trip inspections, preventative maintenance, visual searching, communications, speed management, shifting and night operations. The last portion of this course will specifically focus on preparation for taking the Class A Commercial Driving Test.

### **HE201                    Soils, Finishing & Grading**

Various pieces of equipment will be discussed to move grade soil. Students will learn how to use transits and levels to read grades and lay out grade stakes. Several pieces of equipment will be outlined. This course also provides an overview of soil composition and characteristics. Unusual site conditions will be addressed.

### **HE202                    Earth Moving**

In this course the students will use various pieces of heavy equipment to move soil, rocks and gravel. Multiple machines will be used simultaneously to complete earth moving objectives. Continued practice and projects will be practiced with each piece of range equipment.

### **HE203                    Excavating**

This course presents the use, safe operation, and maintenance of excavators in conjunction with other earth moving equipment. Various operating techniques are practiced and the use of excavators in ditching, grading, and slope-finishing operations are performed. Combined equipment operations will be performed.

**I170 A                    Electricity & Fluids I**

This theory and lab course primarily covers the basics of electricity. Topics included are safety, conduit bending, anchors/fasteners, electrical theory, and electrical testing.

**I171                        Rigging, Safety & Tools**

This course covers the safety obligations of workers, supervisors, and managers to ensure a safe work place. The course introduces common job-site hazards and protections such as lockout/tagout, personal protective equipment and HazCom. Tools that are widely used in the industry are discussed. Safe rigging procedures are explained.

**I172A                    Welding & Cutting I**

This course identifies oxy fuel cutting equipment, setup and safety requirements. How to light, adjust, and shut down oxy fuel equipment will be practiced. Trainees will perform cutting techniques that include straight line, piercing, bevels, washing and gouging.

**I174A                    Electricity & Controls I**

This course is the first of two in a study of both AC and DC motors , circuits, connections motor protection, sensors, switches, relays, contactors, starters and switches. Ladder logic is used and principles of PLC operations, installation, programming and maintenance are covered.

**I175                        Industrial Mechanics I**

This theory and lab course is the first of a series of three courses which cover many of the basic operations performed in an industrial setting. Couplings, bearings, seals, gaskets, packing, precision measuring, flow, pressure, level and temperature will be the focus of this course. Machine maintenance, lubrication and installation are also covered. Mechanical operations are studied.

**I270A                    Electricity & Fluids II**

This theory and lab course continues covering the basics of electricity, but also including a study of hydraulics and pneumatics. Lab projects will be performed on hydraulic/pneumatic boards and related equipment.

**I272                        Welding & Cutting II**

This lab and theory course covers SMAW, MIG and welding safety. Students will practice the processes of welding.

**I274 Electricity & Controls II**

This course is part two of a study of both AC and DC motors , circuits, connections motor protection, sensors, switches, relays, contactors, starters and switches. Ladder logic is used and principles of PLC operations, installation, programming and maintenance are covered.

**I275 Industrial Mechanics II**

This theory and lab course is the second of a series of three courses which cover many of the basic operations performed in an industrial setting. Couplings, bearings, seals, gaskets, packing, precision measuring, flow, pressure, level and temperature will be the focus of this course. Machine maintenance, lubrication and installation are also covered. Mechanical operations are studied.

**I276 Industrial Mechanics III**

This theory and lab course is the third and final of a series of three courses which cover many of the basic operations performed in an industrial setting. Couplings, bearings, seals, gaskets, packing, precision measuring, flow, pressure, level and temperature will be the focus of this course. Machine maintenance, lubrication and installation are also covered. Mechanical operations are studied.

**I277 HVAC I**

This is part one of a course covers the basic principles, components and operation of refrigeration, air conditioning and heating. NEC requirements, HVAC control wiring and troubleshooting are also covered in both theory and practice.

**I278 HVAC II**

This is part one of a course covers the basic principles, components and operation of refrigeration, air conditioning and heating. NEC requirements, HVAC control wiring and troubleshooting are also covered in both theory and practice.

**I279 Solar Power**

This is part one of a course covers the basics of solar photovoltaic power, familiarizes students with the components of photovoltaic system and examines the installation, maintenance and troubleshooting of solar PV systems. An introduction to wind power generation. Topics include the evolution of wind power, wind turbines, blades, electrical power distribution and safety, maintenance, troubleshooting and repair. A discussion of self-replenishing sources such as sunlight, wind, tides, waves, current and geothermal as alternatives to conventional fuels used for power generation, heating/cooling, and automobile fuel. Hands-on troubleshooting and installation techniques will be performed.

**I280A Solar Power**

This is part one of a course covers the basics of solar photovoltaic power, familiarizes students with the components of photovoltaic system and examines the installation, maintenance and troubleshooting of solar PV systems. An introduction to wind power generation. Topics include the evolution of wind power, wind turbines, blades, electrical power distribution and safety, maintenance,

troubleshooting and repair. A discussion of self-replenishing sources such as sunlight, wind, tides, waves, current and geothermal as alternatives to conventional fuels used for power generation, heating/cooling, and automobile fuel. Hands-on troubleshooting and installation techniques will be performed.

### **M150                      Core Competencies**

This course will offer students the strategies they need to succeed in school, life and their professional career. Students will learn to balance areas of their lives, know themselves better, and discover their personal route to achieve and much more. Students will also study the mathematics and learn how to apply this material toward their respective trade.

### **M180                      Trade Math**

The material covered in this math course is representative of the mathematics needed in the trades. Topics included are: direct measure, English-Metric systems, perimeters, angular measures, areas, volumes and mass (weight) measure and practical word problems related to the trades.

### **M205                      Technical Math      *\*Prerequisite M150***

This course includes basic algebraic operations to include; solving single and multiple variable equations, solving word problems, scientific notation and powers and exponents of variables and their application. Operations with signed numbers are also applied.

### **M206                      Applied Math      *\*Prerequisite M150***

This course provides the student with experiences in using basic plane and solid geometry along with right angle trigonometry, with the usage of algebra, in the solution of math problems.

### **MT120                     Turning, Prints & Practices**

This study covers the major types of lathes and their attachments, safety, maintenance, job preparation and basic lathe operations, reading industrial blueprint symbols, nomenclature and basic dimensioning with the learning of how mechanical drawings are produced. Also, the student is introduced to the types of tools and machines that are commonplace to the machine shop and the setup and layout of a job order.

### **MT121                     Milling, Dimensioning & Tolerance**

This course demonstrates the setup and use of the milling machines, describes the functions, of basic cutters and attachments, the use of the dividing head covering indexing, angular indexing and the cutting of gears. This course also introduces the subject of tolerances to the students. Through a logical sequence of learning activities the student will move from conventional dimensioning to geometric dimensioning.

### **MT250            Shaping Operations**

The objective of this course is to explain the types of milling operations, covering spindles, arbors, feed rates. Safety precautions are also explained in this course.

### **MT260            Operations & CNC Principles**

Through this class students will learn the other machines found in the machine shop, some of which may be used rather infrequently, but require specific skills to operate. Projects will be used that have the students using a number of machines for the completion of their project. In addition, the study of Cartesian coordinates, CAD CAM programs, an introduction into positioning systems, and work piece geometry are covered. Basic CNC principles are introduced.

### **MT270            CNC Milling Operations    \*Prerequisite MT260**

Programming, operation, and set-up of CNC Milling centers will be the main focus of this course. Students will be expected to design a CAD drawing, program the tool path and part geometry, set up and run the production part, complete a time study as well as optimize the efficiency of the operation.

### **MT271            CNC Turning Operations    \*Prerequisite MT260**

Programming, operation and set-up of CNC turning centers will be the main focus of this course. Students will be expected to design a CAD drawing, program the tool path and part geometry, set up and run the production piece, complete a time study as well as optimize the efficiency of the operation.

### **P120             Powersports Maintenance**

A theory and lab course covering history of power sports equipment, types of equipment, theory of operations and maintenance procedures. Common industry fundamentals will also be covered.

### **P121             Power Equipment Ops and Repair**

This course covers the basics of two stroke and four stroke engines. Engine ratings, engine components, engine operations and industry fundamentals are the focus of this course. In lab, the removal, disassembly and assembly of engines will be practiced along with top and lower engine inspections.

### **P122             Electrical Systems**

This course covers electrical operations including electrical safety, terms, magnetism, electrical measurement, meters, electronic devices, batteries, starters, circuits magneto, capacitors, ignitions, charging systems, and DC circuits. Electrical diagnosis, analysis and repair are performed in lab.

### **P220             Fuel & Electronic Systems**

This course covers the fuel systems of small engines, motorcycles and power equipment along with electrical and electronics diagnosis. Carburetors and fuel injectors are studied. Hands on work includes troubleshooting circuits, identifying sensors, meter usage, voltage drop tests, analyzing diagnostic codes and electrical component testing coupled with fuel system operations.



**P221                      Drivetrains, Hydraulics & Suspension**

This course covers clutches, transmissions, gears, gear ratios, primary drives, final drives, cooling systems, synchronizing, hydraulic braking systems and suspensions as applied to power sports equipment and related power equipment. Lab work includes lubricating, plug installation, gapping, timing, cooling, carb synchronizing, chassis inspection, clutch and transmission projects.

**P222                      Powersports Performance & Repair**

This course covers factors affecting engine performance and troubleshooting methods on various types of power equipment and power sports equipment. Both study and hands on practices will be employed in the areas of operating conditions, throttles, governor systems, adjustments, replacements, valve servicing, disc drives and deposit removal. Diagnosing and correcting failures are practiced.

**R180                      Print Reading**

In this course students will learn common welding print symbols to include typical layouts for pipe. The essentials of reading and working with blueprints will be practiced. Dimensioning and measurement will also be a focus of this course.

**R181                      Career Prep & Finance**

This course prepares the student for the key concepts needed to build their own financial plans and their career. Job search techniques are taught. Topics include the final resume, employment applications, interviewing techniques, how to find job openings and start a career.

**R191                      Metallurgy & Joining**

This course will provide students with an analysis of common metals and processes for cutting and joining them.

**R215                      Computers & Job Search**

This course gives students knowledge in computer hardware and software with particular emphasis on the Windows operating System, word processing and spreadsheets. The acquired computer skills will be applied to creating a personal resume, using the computer to research various employers, and how to effectively search for career opportunities.

**R228                      Business Management**

This course involves the study of economic systems and then focuses on a free enterprise system, problems relative to business, business finance, business start-up, record keeping, organizing, planning as well as personal financial skills.

**R229                      Service & Finance**

This course prepares the student for the key concepts needed to build their own financial plans and their career. Understanding personal finances, evaluating and making financial decisions, anticipating shortages and problems that can disrupt financial plans are the main areas of focus. In addition, communication skills

needed by a technician to deal in a positive manner with a customer are studied. In general, while studying basic human behavior, the student will become a more valuable asset to an employer by being better able to handle customer complaints

### **R230                   Computers & Job Search**

This course provides effective job search techniques with emphasis placed on the written and verbal aspects of job placement. Topics include the final resume, employment applications, interviewing techniques, and how to find job openings. Computer usage to create a resume and carry out employment research is required.

### **R280                   Theory & Calculations**

A theory course covering the principles of pipeline welding with an emphasizes on pressure pipe welding along with math and calculations useful in the field of welding to include geometry and algebraic formulas.

### **T110 (T101E)       Driver Safety & Procedures**

This course is the classroom segment of Commercial Truck Driving. It provides training in the knowledge necessary to operate as a truck driver including orientation to the program, filling out log books, map reading, hazmat regulations, what to do in case of an accident, and safety procedures common to all truck drivers.

### **T120 (T201C)       Basic Operation**

This segment of the program is designed for learning and practicing maneuvers necessary to truck driving. The majority of this course will be spent on the lot performing vehicle inspections, basic control, coupling and uncoupling trailers, backing, shifting, docking, and parallel parking.

### **T210                   Operating Practices**

This course is primarily designed for practicing on the road driving. The following operations will be performed: Pre-trip inspections, preventative maintenance, visual searching, communications, speed management, safe operating procedures, shifting and night operations. The last portion of this course will be used to prepare for the C.D.L. test..

### **W150                   SMAW & Cutting**

This course consists of a study of cutting and welding equipment, their uses and safe operation. Students are given practical and theoretical instruction in the use of electric arc welders and oxy fuel equipment. Personal safety is a foremost study in this course, including clothing, eye, hearing and body protection, as well as protecting others.

### **W151                   SMAW & Cutting Lab**

Course work that features practice in applying stringers and weave beads on mild steel plates in the horizontal, vertical and overhead positions. Practice is on tee joints, corner joints, edge joints, square grooves and vee grooves both with and

without backing. Overlay techniques are used and various electrodes introduced. Cutting, beveling and gouging metal will also be practiced.

### **W152 SMAW Pipe Welding**

This course contains the theoretical instruction of pipe welding, covers both Fillet and Groove Welding of pipe in 1G (flat), 2G (horizontal), 5G (multiple), and 6G (multiple), positions using stick welding. Also covers Fit-Up and preparation of pipe as well as introductory plate projects, pipe beading and certification procedures. Practical application of welding technique on 6" sch. 40 and sch. 80 pipe in 1G, 2G, 5G, and 6G positions. Pipe setup is single vee-grooved butt joint and many include 1/8" to 0" root gap with various thickness lands.

### **W153 Multi Welding Processes**

A course that examines inert gas welding equipment, uses and safe operations. Students are given theoretical instruction on semi-automatic welding processes, including gas metal arc welding, flux welding, and gas tungsten arc. In lab the student will practice at welding MIG, Fluxcore, Self-shielded, and TIG. Practice will be in the Flat, Horizontal Vertical and Overhead positions on mild steel. All types of joints will be practiced with emphasis on complete penetration.

### **W250 Semi Auto, TIG & Nonferrous**

In this course, the student will weld using the MIG, Fluxcore, self- shielded and TIG welding processes. Students will practice at the fillet welding and groove welding of pipe and tubing on carbon steel, aluminum and stainless steel.

This course introduces the students to the welding of stainless steel by stick and TIG. Practice on aluminum will be on common joints in the Flat, Horizontal, Vertical and Overhead positions using MIG and TIG welding.

### **W251 Pipe, Fab & Fitting Processes**

In this course students practice fabrication and fitting through the basic study of the operations in the process of oxyfuel cutting and welding with various processes including both plasma and torch cutting, in all positions. Common welding processes used in the oil and gas industry are introduced. Pipeline welding techniques and processes for welding pressure pipe will be practiced. Students will practice for relevant qualification tests and have a reasonable chance of achieving a welding qualification. Various types of qualifications will be available for students to choose from.

# SCHOOL CALENDAR

Classes are in continuous session during all months of the calendar year. The School will observe a vacation period from just before Christmas through the first of the New Year, last week of June and first week of July. In addition, the following legal holidays will be observed:

<b>Martin Luther King Day</b>	<b>Good Friday</b>	<b>Labor Day</b>
<b>President's Day</b>	<b>Memorial Day</b>	<b>Thanksgiving Day</b>
<b>Friday after Thanksgiving</b>		

## 2020 Quarters - DAY CLASSES

WINTER	January 27, 2020	April 6, 2020
SPRING	April 8, 2020	June 17, 2020
SUMMER	July 7, 2020	September 15, 2020
FALL	September 17, 2020	December 1, 2020
WINTER	December 3, 2020	February 23, 2021

## 2020 Quarters - EVENING CLASSES

SPRING	March 9, 2020	May, 14, 2020
SUMMER	May, 19, 2020	August 11, 2020
FALL	August 13, 2020	October 22, 2020
WINTER	October 27, 2020	January 20, 2021

## 2020 Weekend Truck Operations Schedules

<b>Start Date</b>	<b>Grad Date</b>
November 2, 2019	February 29, 2020
March 7, 2020	July 12, 2020
July 18, 2020	November 1, 2020
November 7, 2020	February 27, 2021

### **2020 Days Off (No Class)**

April 11 & 12	Easter Weekend
May 10	Mother's Day
May 23 & 24	Memorial Day Weekend
June 21	Father's Day
July 4 & 5	Independence Day Weekend
September 5 & 6	Labor Day Weekend
November 28 & 29	Thanksgiving Weekend
January 2 & 3	New Year Weekend

## 2020 Weekday Commercial Truck Operation Schedule

<b>Start Date</b>	<b>End Date</b>
January 21, 2020 (3 Fridays)	March 12, 2020
February 18, 2020 (2 Fridays)	April 9, 2020
March 16, 2020 (1 Friday)	May 7, 2020
April 13, 2020	May 22, 2020
May 4, 2020	June 15, 2020
May 27, 2020	July 7, 2020
June 17, 2020	July 28, 2020
July 9, 2020	August 19, 2020
July 30, 2020	September 10, 2020
August 21, 2020	October 1, 2020
September 14, 2020	October 23, 2020
October 5, 2020	November 16, 2020
October 27, 2020	December 11, 2020
November 18, 2020	January 7, 2021
December 15, 2020	February 1, 2021

### **2020 Days Off (No Class)**

January 1	New Year Holiday
January 20	Martin Luther King Jr. Day
February 17	President's Day
May 25	Memorial Day
May 26	In-service Day
June 16	In-service Day
July 8	In-service Day
July 29	In-service Day
August 20	In-service Day
September 7	Labor Day
September 11	In-service Day
October 2	In-service Day
October 26	In-service Day
November 11	Veteran's Day
November 17	In-service Day
November 26	Thanksgiving Holiday
November 27	Thanksgiving Holiday
November 30	In-service Day
December 14	In-service Day
December 24	Christmas Holiday
December 25	Christmas Holiday
December 31	New Year Holiday

# NEW CASTLE SCHOOL OF TRADES TUITION AND FEES SCHEDULE

PROGRAM	CREDIT HOURS	*TUITION	BOOKS
AUTOMOTIVE TECHNOLOGY	90	\$ 21,582.00	\$ 948.00
BUILDING TECHNOLOGY	90	19,764.00	968.00
COMBINATION WELDING	75	19,260.00	912.00
ELECTRICAL TECHNOLOGY	90	20,736.00	1,706.00
MACHINIST TECHNOLOGY	90	20,466.00	1,274.00
**DIESEL & HEAVY EQUIPMENT REPAIR TECHNOLOGY	100.50	24,390.00	1,332.00
REFRIGERATION & A/C TECHNOLOGY	90	20,142.00	1,208.00
†**COMMERCIAL TRUCK DRIVING	13	5,970.00	
**HEAVY EQUIPMENT OPERATIONS W/COMMERCIAL TRUCK DRIVING	50	17,676.00	512.00
MOTORCYCLE & POWER EQUIPMENT TECHNOLOGY	90	21,294.00	1,167.00
INDUSTRIAL ELECTRO-MECHANICAL TECHNOLOGY	90	21,294.00	1,813.00

REGISTRATION FEE..... \$25.00  
 TRACTOR-TRAILER RECERTIFICATION (4 hour minimum) ..... \$75/Hour

† Total tuition cost for Commercial Truck Driving Program includes books only.

\* Total tuition cost for the programs includes: tools/equipment, three uniform shirts, and one pair of work boots.

\*\* Commercial Truck Driving, Heavy Equipment Operations with Commercial Truck Driving, and Diesel & Heavy Equipment Repair Technology. Additional fees include: DOT Physical, DOT Drug Screen, CDL learners permit and CDL license. These fees vary by state and physician. For more information contact the admissions department.

Revised 02/07/2020



