



**TENTATIVE—SUBJECT TO CHANGE**

**Combination Vehicle Advanced Operations**

**CTDL 1031**

**COURSE SYLLABUS**

**Spring Semester 2023 (202314)**

**COURSE INFORMATION**

Credit Hours/Minutes: 3/3750

Campus/Class Location: Vidalia Campus/CTD Building; Swainsboro Campus / Building 2

Class Meets: Day Students 8:00-4:00 MTWR; Evening Students 5:00-10:00 MTWR and 7:30-1:30 S

Course Reference Number (CRN): Term A – 40064, 40070, 40058; Term B – 40067, 40073, 40061

**INSTRUCTOR CONTACT INFORMATION**

Instructor: Dennis Davis (Vidalia), Michael Spivey (Vidalia), Ronnie Holton (Swainsboro)

Email Address, Director: [Dennis Davis \( ddavis@southeasterntech.edu \)](mailto:ddavis@southeasterntech.edu)

Administrative Assistant: [Ricky Strange \( rstrange@southeasterntech.edu \)](mailto:rstrange@southeasterntech.edu)

Email Address, Swainsboro Instructor: [Ronnie Holton \( rholtan@southeasterntech.edu \)](mailto:rholtan@southeasterntech.edu)

Vidalia Campus/Office Location: CTD Building, 1400 Harris Ind. Blvd.

Swainsboro Campus/Office Location: Building 2 Room 2140

Office Hours: Monday-Thursday 8:00 a.m. – 4:00 p.m.

Phone Number Vidalia: Dennis Davis 1-912-538-3138 / Ricky Strange 1-912-538-3140

Phone Number Swainsboro: Ronnie Holton 1-478-289-2233

Fax Number: 912-538-3156

**SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK**

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(https://catalog.southeasterntech.edu/\)](https://catalog.southeasterntech.edu/).

**DISCLAIMER(S):**

The syllabus is subject to changes. There are out-of-pocket expenses that are required for this program that must be paid as they occur. Please see the college website. The majority of this course takes place outdoors. Students should be prepared for cold and hot temperatures as well as any other weather conditions.

**REQUIRED TEXT**

NA

**REQUIRED SUPPLIES & SOFTWARE**

Two log books, ink pen, and one notebook. Please bring all required supplies to class each day.

**Students should not share login credentials with others and should change passwords periodically to maintain security.**

### **COURSE DESCRIPTION**

Advanced Operations develops students' driving skills under actual road conditions. The classroom part of the course stresses following safe operating practices. These safe operating practices are integrated into the development of driving skills on the road. Each student must demonstrate proficiency in required behind-the-wheel (BTW) skills such as operating a commercial vehicle safely on public roads through a variety of maneuvers.

### **MAJOR COURSE COMPETENCIES / OUTLINE**

The student(s) will be competent and able to successfully perform, complete, and/or discuss the following:

1. Vehicle Controls
2. Shifting/Transmission Use
3. Communicating/Signaling
4. Visual Search
5. Speed and Space Management
6. Safe Driver Behavior
7. Hours of Service Requirements
8. Hazard Perception
9. Railroad-Highway Grade Crossing
10. Night Operation
11. Extreme Driving Conditions
12. Skid Control/Recovery, Jackknifing, and Other Emergencies

### **ENTRY-LEVEL DRIVER TRAINING (ELDT) MINIMUM FEDERAL BTW INSTRUCTION STANDARD CURRICULUM**

The student(s) will be competent and able to successfully perform, complete, and/or discuss the following:

- A3.1 Vehicle Controls Including: Left Turns, Right Turns, Lane Changes, Curves at Highway Speeds, and Entry and Exit on the Interstate or Controlled Access Highway
- A3.2 Shifting / Transmission
- A3.3 Communications / Signaling
- A3.4 Visual Search
- A3.5 Speed and Space Management
- A3.6 Safe Driver Behavior
- A3.7 Hours of Service (HOS) Requirements
- A3.8 Hazard Perception
- A3.9 Railroad (RR)-Highway Grade Crossing
- A3:10 Night Operations
- A3.11 Extreme Driving Conditions
- A3.12 Skid Control / Recovery / Jackknifing, and Other Emergencies

### **PREREQUISITE(S)**

CTDL 1021 and meeting all regulatory requirements for program.

## **REGULATORY REQUIREMENTS**

Students who do not meet regulatory requirements, such as passing drug tests, are administratively withdrawn from the program. Students are responsible for costs incurred.

This course meets the minimum Federal curricula requirements as set forth in the Entry-Level Driver Training (ELDT) regulations. Southeastern Technical College is registered as a training provider at <http://tpr.fmcsa.dot.gov/provider>. These regulations require that students take both CTDL 1021 and CTDL 1031 at the same college within one year of one another. "Other" regulatory requirements will be followed as mandated.

## **SAFETY WITHDRAWALS**

In the event there are disproportionate safety concerns for students, instructors, and/or the public, students will be administratively withdrawn from CTDL 1031. Students are responsible for costs incurred as a result of withdrawal. Instructors document safety concerns on daily evaluations. Note: The inability to successfully conduct a full pre-trip inspection is a safety concern.

## **GENERAL EDUCATION CORE COMPETENCIES**

Southeastern Technical College has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

## **STUDENT REQUIREMENTS**

Students are expected to complete all tests and daily assignments on the date scheduled.

## **COVID-19 MASK REQUIREMENT**

Regardless of vaccination status, students are highly encouraged to wear masks or face coverings while in a classroom or lab at Southeastern Technical College. Masking may be implemented in some program areas (i.e. Health Sciences and Cosmetology) where students, faculty, and clients are in close proximity and social distancing cannot be maintained. This measure is being implemented to reduce COVID-19 related health risks for everyone engaged in the educational process. Masks or face coverings must be worn over the nose and mouth, in accordance with the Centers for Disease Control and Prevention (CDC).

## **COVID-19 SIGNS AND SYMPTOMS**

We encourage individuals to monitor for the signs and symptoms of COVID-19 prior to coming on campus.

If you have experienced the symptoms listed below or have a body temperature 100.4°F or higher, we encourage you to self-quarantine at home and contact a primary care physician's office, local urgent care facility, or health department for further direction. Please notify your instructor(s) by email and do not come on campus for any reason.

<b>COVID-19 Key Symptoms</b>
Fever or felt feverish
Chills
Shortness of breath or difficulty breathing (not attributed to any other health condition)

<b>COVID-19 Key Symptoms</b>
Cough: new or worsening, not attributed to another health condition
Fatigue
Muscle or body aches
Headache
New loss of taste or smell
Sore throat (not attributed to any other health condition)
Congestion or runny nose (not attributed to any other health condition)
Nausea or vomiting
Diarrhea
<b>In the past 14 days, if you:</b>
Have had close contact with or are caring for an individual diagnosed with COVID-19 at home (not in healthcare setting), please do not come on campus and contact your instructor (s).

### **COVID-19 SELF-REPORTING REQUIREMENT**

Students, regardless of vaccination status, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using <https://www.southeasterntech.edu/covid-19/>. Report all positive cases of COVID-19 to your instructor and Stephannie Waters, Exposure Control Coordinator, [swaters@southeasterntech.edu](mailto:swaters@southeasterntech.edu), 912-538-3195.

### **ATTENDANCE GUIDELINES COMMERCIAL TRUCK DRIVING**

Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of "F" (Failing 0–59) and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

Attendance is counted from the first scheduled class meeting of each semester/term. To receive credit for a course a student must attend at least 90% of the scheduled instructional time. All work missed due to tardiness or absences must be made up at the convenience of the instructor. Any student attending less than the required scheduled instructional time (90%) may be dropped from the course/CTDL program as stated below in the Withdrawal Procedure.

Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time. Three (3) tardies or early departures equal one (1) absence for the course/CTDL program.

**For this day program, which meets 4 days a week for 7.5 weeks, the maximum number of days a student may miss is 3 days during the term.**

**For this night program, which meets 5 days a week for 7.5 weeks, the maximum number of days a student may miss is 3 days during the term.**

### **STUDENTS WITH DISABILITIES**

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Swainsboro Campus: Emily Jarrell (ejarrell@southeasterntech.edu), 478-289-2259, Building 1, Room 1210.

Vidalia Campus: Helen Thomas (hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

### **SPECIFIC ABSENCES**

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

### **PREGNANCY**

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

Swainsboro Campus: Emily Jarrell (ejarrell@southeasterntech.edu), 478-289-2259, Building 1, Room 1210.

Vidalia Campus: Helen Thomas (hthomas@southeasterntech.edu), 912-538-3126, Building A, Room 165.

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery MAY NOT be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

### **WITHDRAWAL PROCEDURE**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

Students who are dropped from courses due to attendance after drop/add until the 65% point of the semester will receive a "W" for the course.

Important – Student-initiated withdrawals are not allowed after the 65% point. Only instructors can drop students after the 65% point for violating the attendance procedure of the course. Students who are dropped from courses due to attendance after the 65% point will receive either a "WP" (Withdrawn Passing) or "WF" (Withdrawn Failing) for the semester.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

**Note: Students are responsible for all costs incurred due to self-withdrawals, administrative withdrawals, and D- or F-Grades.**

## **WORK ETHICS**

The Technical College System of Georgia instructs and evaluates students on work ethics in all programs of study. Ten work ethics traits have been identified and defined as essential for student success: appearance, attendance, attitude, character, communication, cooperation, organizational skills, productivity, respect, and teamwork. Students will be required to take a work ethics exam as marked in the lesson plan. A grade of 70 or better is required to complete the work ethics requirements for this class.

## **MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC.)**

See the Student Requirements section of the syllabus.

## **ACADEMIC DISHONESTY POLICY**

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Handbook.

## **PROCEDURE FOR ACADEMIC MISCONDUCT**

The procedure for dealing with academic misconduct and dishonesty is as follows:

### **1. First Offense**

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

### **2. Second Offense**

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

### **3. Third Offense**

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

## **STATEMENT OF NON-DISCRIMINATION**

As set forth in the student catalog, Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic

information, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 165 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:ljonas@southeasterntech.edu">Lanie Jonas</a> <a href="mailto:ljonas@southeasterntech.edu">ljonas@southeasterntech.edu</a>

### **ACCESSIBILITY STATEMENT**

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

### **GRIEVANCE PROCEDURES**

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College's website.

### **ACCESS TO TECHNOLOGY**

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College \(STC\) Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

### **TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT**

*The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.*

### **TUTORING**

Tutoring time is allowed prior to the CTDL 1031 exit exam/capstone exam. Tutoring needs to be arranged at a time before class, after class, or on a separate day that is convenient for the tutor/ instructor/lab assistant. Students may have to share time with other students. Students who do not attend at times they arrange are not guaranteed another tutoring opportunity before the 1031 exit exam/capstone exam. Tutoring time may be limited upon the discretion of the tutor to 30 minutes or an hour. Tutoring time will be logged on the daily evaluation form. Students are responsible for arranging tutoring time with the tutor during times that are convenient and respectful to the tutor's time. (Arranging tutoring before or after class is typically the easiest time to accommodate.)

Tutoring is a privilege and not a replacement for student responsibility in their own learning. Student are fully expected to participate in all class activities including self-management of time and learning. Examples

include, but are not limited to, individually practicing pre-trip inspection skills or observing another student's driving when it is not your turn behind the wheel. All individual learning time you invest and observations you make are valuable learning experiences.

### **GRADING POLICY**

<b>Assessment/Assignment</b>	<b>Percentage</b>
Road Test / Driving Test	95%
Work Ethics Test	5%

### **EXIT EXAM / CAPSTONE EXAM**

The Exit Exam / Capstone Exam is the Road Test / Driving Test. If the score is less than 70% (by accumulating over 30 points on the grade sheet), the student will not exit CTDL 1031 and will receive a D or F grade as determined by the grade on the Road Test.

Note: The FMCSA Entry Level Driver Training regulations require students to successfully complete a Commercial Truck Driving Program at a registered training provider in order to be entered into the FMCSA Training Provider Registry. These registered students are allowed to schedule for the State CDL Licensure Exam.

Note: Students with holds on their college accounts will not be scheduled for the State CDL Licensure Exam until all holds are cleared and may result in withdrawal from CTDL 1031. If not cleared in enough time, FMCSA regulations may require a student to retake the program to be eligible again. Financial repercussions may result.

Note: Students are held to the STC Commercial Truck Driving Class Rules and Regulations that were signed by the student and to the information in the syllabus or amended syllabus.

### **GRADING SCALE**

<b>Letter Grade</b>	<b>Range</b>
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59



## CTDL 1031 Lesson Plan

### Combination Vehicle Advanced Operations

- Lesson plans are “plans” and not a guarantee of exactly what is done on a particular day. Dates are subject to changes determined by various reasons such as weather, school closings, required drug testing, etc...

Day	Instructor Sources	Content	Competency Area
Days 1-2	Federal Motor Carrier Safety Administration (FMCSA) Regulations Handbook  Entry-Level Driver Training (ELDT) Minimum Federal Curricula Requirements  TCSG State Standards	<ul style="list-style-type: none"> <li>Beginning of the course information</li> <li>Introduce work ethics and continue to promote throughout the course. Assess work ethics during the course.</li> <li>Practice pre-trip Inspections</li> <li>Instructor demonstrates proper driving techniques</li> <li>Students practice upshifting and downshifting by getting on and off the interstate</li> <li>Instructors complete daily evaluation logs and record behind the wheel driving hours</li> </ul>	ELDT: A3.1-A3.8 CC: 1-8 GC: a, b, c
Days 2-3	FMCSA Handbook  ELDT Textbook  TCSG State Standards	<ul style="list-style-type: none"> <li>Practice pre-trip inspections</li> <li>Students practice upshifting and downshifting on the interstate</li> <li>Instructors complete daily evaluation logs and record behind the wheel driving hours</li> </ul>	ELDT: A3.1-A3.8 CC: 1-8 GC: a,b,c
Days 3-4	FMCSA Handbook  ELDT Textbook  TCSG State Standards	<ul style="list-style-type: none"> <li>Practice pre-trip inspections</li> <li>Students practice upshifting and downshifting on the interstate</li> <li>Instructors complete daily evaluation logs and record behind the wheel driving hours</li> </ul>	ELDT: A3.1-A3.8 CC: 1-8 GC: a,b,c
Days 4-5	FMCSA Handbook  ELDT Textbook  TCSG State Standards	<ul style="list-style-type: none"> <li>Practice pre-trip inspections</li> <li>Students start a combination of rural driving and urban driving</li> <li>Instructors complete daily evaluation logs and record behind the wheel driving hours</li> </ul>	ELDT: A3.1-A3.10 CC: 1-10 GC: a,b,c

<b>Day</b>	<b>Instructor Sources</b>	<b>Content</b>	<b>Competency Area</b>
Days 6-7	FMCSA Handbook ELDT Textbook TCSG State Standards	<ul style="list-style-type: none"> <li>• Practice pre-trip inspections</li> <li>• Watch and discuss videos on extreme driving conditions, night operations, skid control and recovery, jackknifing, and other emergencies</li> <li>• Students continue rural and urban driving</li> <li>• Instructors complete daily evaluation logs and record behind the wheel driving hours</li> </ul>	ELDT: A3.1-A3.12 CC: 1-12 GC: a,b,c
Days 7-8	FMCSA Handbook ELDT Textbook TCSG State Standards	<ul style="list-style-type: none"> <li>• Practice pre-trip inspections</li> <li>• Students practice rural, urban, and interstate driving</li> <li>• Instructors complete daily evaluation logs and record behind the wheel driving hours.</li> </ul>	ELDT: A3.1-A3.10 CC: 1-10 GC: a,b,c
Days 8-9	FMCSA Handbook ELDT Textbook TCSG State Standards	<ul style="list-style-type: none"> <li>• Practice pre-trip inspections</li> <li>• Students practice rural, urban, and interstate driving</li> <li>• Instructors complete daily evaluation logs and record behind the wheel driving hours</li> </ul>	ELDT: A3.1-A3.10 CC: 1-10 GC: a,b,c
Days 9-10	FMCSA Handbook ELDT Textbook TCSG State Standards	<ul style="list-style-type: none"> <li>• Practice pre-trip inspections</li> <li>• Students practice rural, urban, and interstate driving</li> <li>• Students take the Capstone Road Test / Driving Test as determined by the instructor</li> <li>• Instructors complete daily evaluation logs and record behind the wheel driving hours</li> </ul>	ELDT: A3.1-A3.10 CC: 1-10 GC: a, b, c

Day	Instructor Sources	Content	Competency Area
Days 10-11	FMCSA Handbook  ELDT Textbook  TCSG State Standards	<ul style="list-style-type: none"> <li>• Practice pre-trip inspections</li> <li>• Students practice rural, urban, and interstate driving</li> <li>• Students take the Capstone Road Test / Driving Test as determined by the instructor</li> <li>• Instructors complete daily evaluation logs and record behind the wheel driving hours</li> <li>• Students who do not pass the Capstone Road Test / Driving Test with a 70 or greater do not pass the class or the program</li> <li>• The FMCSA Entry Level Driver Training regulations require students to successfully complete a Commercial Truck Driving Program at a registered training provider in order to be entered into the FMCSA Training Provider Registry. These registered students are allowed to schedule for the State CDL Licensure Exam. STC is a registered training provider.</li> <li>• Students with holds on their STC accounts will not be scheduled to take the State CDL Licensure Exam until holds are cleared. If accounts are not cleared in a timely matter, it may result in having to retake the program to be eligible again.</li> </ul>	ELDT: A3.1-A3.10 CC: 1-10 GC: a, b, c

**COMPETENCY AREAS: (CC)**

The student(s) will be competent and able to successfully perform, complete, and/or discuss the following:

1. Vehicle Controls
2. Shifting/Transmission Use
3. Communicating/Signaling
4. Visual Search
5. Speed and Space Management
6. Safe Driver Behavior
7. Hours of Service Requirements
8. Hazard Perception
9. Railroad-Highway Grade Crossing
10. Night Operation
11. Extreme Driving Conditions
12. Skid Control/Recovery, Jackknifing, and Other Emergencies

**ENTRY-LEVEL DRIVER TRAINING COMPETENCY AREAS: (ELDT)**

- A3.1 Vehicle Controls Including: Left Turns, Right Turns, Lane Changes, Curves at Highway Speeds, and Entry and Exit on the Interstate or Controlled Access Highway
- A3.2 Shifting / Transmission

- A3.3 Communications / Signaling
- A3.4 Visual Search
- A3.5 Speed and Space Management
- A3.6 Safe Driver Behavior
- A3.7 Hours of Service (HOS) Requirements
- A3.8 Hazard Perception
- A3.9 Railroad (RR)-Highway Grade Crossing
- A3.10 Night Operations
- A3.11 Extreme Driving Conditions
- A3.12 Skid Control / Recovery / Jackknifing, and Other Emergencies

**GENERAL CORE EDUCATIONAL COMPETENCIES: (GC)**

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.