

# INTRODUCTION TO MICROCOMPUTERS COMP 1000

# COURSE SYLLABUS HYBRID

# Fall Semester 2015

# \*\*TENTATIVE - SUBJECT TO CHANGE

Semester: FALL 2015 FY 201516

Course Title: Introduction to Microcomputers

Course Number: COMP 1000 Credit Hours/ Minutes: 3 / 3750

Class Location: Vidalia Med Tech Building Rm 836

Class Meets: Traditional as HYBRID / 15 wks Tuesday and Thursday 11:00 – 12:15 am 60%

& 40% as HYBRID on ONLINE

CRN: 20258

**Instructor:** Ms. Cathy Robinson

Email Address: crobinson@southeasterntech.edu

**Phone**: 912-538-6032

**Tutoring Hours:** Made by appt with instructor **Full-Time Instructor/Advisor:** Ms. Stephanie Moye

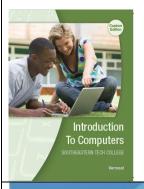
Office Phone: 912-538-3161

Office Hours: 2:00 – 4:30 Monday – Thursday

Office Location: Gillis Bldg Room 813 Email: smoye@southeasterntech.edu

This course is taught in a hybrid format. Hybrid classes require students to complete a portion of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student's convenience with respect to the instructor's requirements.

### **REQUIRED TEXT:**



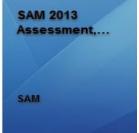
COMP 1000 - Introduction to Computers Georgia State Standards Edition (CUSTOM BOOK)

Shelly Cashman Series by Misty E. Vermaat

ISBN-10: 978-1305-0226-14

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BOOK, SAM KEYCODE BUNDLED TOGETHER. ISBN #978-1305-02300-0



Course Technology

SAM 2013 Assessment, Training, and Projects version 2.0 w/ Integrated Digital Book Printed Access Card. 1st Edition

ISBN: 978-1-285-42749-2

SAM ACCESS KEYCODES HAVE TO BE BRAND NEW, USED KEY'S WILL NOT WORK FOR SAM

You can purchase from the STC bookstore

stcbookstore@southeasterntech.edu or 912-538-3129

REQUIRED SUPPLIES & SOFTWARE: one USB Flash Drive, Windows 7 or Windows 8 Operating System, Internet connection with browser as Mozilla Firefox 2 (recommended) or Google Chrome. Office 2013 (Word, PowerPoint, Excel, and Access) IDS can be used for Office 2013; however, recommend you purchase a 180 day (6mth) full evaluation version from the STC Bookstore for \$35.00 due to variety of home internet connections.

Note: Although students can use their smart phones and tablets to access the online portion of their course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither ANGEL nor GVTC provide technical support for issues relating to the use of a

smart phone or tablet so students are advised to not rely on these devices to complete the online portion of the course.

**COURSE DESCRIPTION:** Introduces the fundamental concepts, terminology, and operations necessary to use computers. Emphasis is placed on basic functions and familiarity with computer use.

**MAJOR COURSE COMPETENCIES/COURSE OUTLINE:** Topics include: Computer Terminology, Introduction to the Windows Environment, Introduction to Internet and Email, Introduction to Word Processing Software, Introduction to Database Software, Introduction to Spreadsheet Software, and Introduction to Presentation Software.

PREREQUISITE(S): none

**GENERAL EDUCATION CORE COMPETENCIES:** STC has identified the following general education core competencies that graduates will attain:

- 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.

All students pursuing a degree, a diploma, or a Technical Certificate of Credit with a General Education component will be required to pass the General Education Competency Exams prior to graduation.

**HYBRID PROCEDURE:** Hybrid classes require students to complete a portion of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student's convenience with respect to the instructor's requirements.

**STUDENT REQUIREMENTS (Hybrid):** Students are expected to complete all work shown on the attached assignment sheet. Students are also expected to complete all chapter work, project assignments, discussion boards and tests on the dates specified on the attached calendar. Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor. **Assignments will be saved via the Remote Lab Information Delivery System (CITRIX – IDS), Angel, and SAM**. Students are responsible for policies and procedures included in the STC Catalog and Student Handbook. **Unannounced quizzes/assignments will be given. Students who miss an unannounced quiz or assignment will receive a grade of 0.** 

**ATTENDANCE GUIDELINES:** 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 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.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an F in a course.

**SURFING THE WEB WHILE IN CLASS:** For each time a student is caught on Facebook or a site that is not approved by the instructor, a 5 point deduction will be taken on the next assignment

**CELL PHONE USING IN CLASS:** Cell phone usage is not allowed in the classroom. Any student caught using a phone or answering a call during class will have a 5 point deduction on the next Project.

EMAILS: All emails should be sent to me using Owl Mail. Make sure that you always type your name and class in the subject line of every email you send me so I know which class you are in. For example: COMP1000 Robinson COMP 1000 Fall 2015 FY201612 Robinson HYBRID crn-20258 Tues/Thurs & OL Page 2

**Discussion Board topics** must be appropriate to the class. Spelling and Grammar are considered part of the grade. Posted content should fully answer the question. Short 1 to 2 sentence posts will not be sufficient. See Discussion Board grading rubric below. **Complete your initial post by Wednesday and all replies by the Monday due date.** 

**CHECKING GRADES:** A grade book is made available in the ANGEL course on the main page when students log in. This grade book is for students to review and is continuously updated throughout the semester. Students can RUN a REPORT of their grades at any time to see the individual grades for each assignment. Students are to keep in mind that if assigned a grade of zero that these grades are not automatically counted in the current averages shown until instructor post those grades manually so averages could seem higher at the time before posting these grades. Students are responsible for knowing how to average their grades, not the instructor. The overall percentage averages should display in the grade book to help track course progress.

**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.

**SPECIAL NEEDS:** Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 912-538-3126, to coordinate reasonable accommodations.

**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 advise me and make appropriate arrangements with the Special Needs Office. Swainsboro Campus: Jan Brantley Room 1208 (478) 289-2274 -- Vidalia Campus: Helen Thomas Room 108 (912) 538-3126.

**No Harm No Foul Policy:** It is the student's responsibility to drop courses during the first three days by completing a withdrawal form with a Counselor in Student Affairs. If a student comes to class during the first three days or any day during this time, the student will be dropped with no penalty **only if** they have completed the Withdrawal Form with Student Affairs by the close of business on the third business day of the quarter. (For **FALL** semester, that day will be August 19, 2015.) **The student must formally withdraw from classes in order to receive the no harm-no foul benefit.** If the student shows up the first day but does not return, the instructor will drop the student after the attendance period but that will not come under the no harm-no foul policy. The student will be charged for the class unless he/she formally withdraws.

**DROPPING COURSES BEFORE THE CLASS HAS BEGUN**: Students wishing to withdraw from one or all courses prior to the first day of class need to go to Banner Web and drop their classes. Please note that a registration access number will be needed as well as a student's ID number and PIN. If the registration access number is unknown, the student will need to contact the registrar.

WITHDRAWING FROM A COURSE: Students wishing to officially withdraw from course(s) after the drop/add period and prior to the 65% portion of the semester (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" is assigned when the student completes the withdrawal form from the course(s). After the 65% portion of the semester, the student has earned the right to a letter grade and will receive a grade for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" being assigned.

**WITHDRAWAL PROCEDURE:** Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (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" is assigned when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

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 accessed due to the withdrawal. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

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

MAKEUP GUIDELINES (Tests, quizzes, homework, projects, etc...): Students are required to take all tests scheduled during the semester. Failure to take Angel Exam(s), SAM Lab Exams and/or SAM Final will result in a grade of zero. There will be no makeup of TESTS. Assignments must be turned in on the assigned date and will not be accepted late, a grade of zero will be given.

One assignment grade will be dropped at the end of the semester. The due dates are posted on the lesson plan. Weeks start on Monday and end on Tuesday with assignments due on Tuesday before class. See Lesson Plan.

# FINAL EXAM WILL BE TAKEN IN THE CLASSROOM AND WILL BE PASSWORD PROTECTED.

**ACADEMIC DISHONESTY POLICY:** The STC Academic Dishonesty Policy states 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 STC Catalog and Student Handbook.

## **Procedure for Academic Misconduct**

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

#### --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.

## --Second Offense--

Student is given a grade of "WF" 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.

# --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 second 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:** Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era or citizenship status, (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

**GRIEVANCE PROCEDURES:** Grievance procedures can be found in the Catalog and Handbook located on STC's website.

**ACCESS TO TECHNOLOGY:** Students can now access Angel, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the STC website at <a href="https://www.southeasterntech.edu">www.southeasterntech.edu</a>.

GRADING POLICY		GRADING	TCSG GUARANTEE/WARRANTY STATEMENT: The
Exams	30%	SCALE	Technical College System of Georgia guarantees employers
SAM Projects	30%	A: 90-100	that graduates of State Technical Colleges shall possess
Discussion Boards	10%	B: 80-89	skills and knowledge as prescribed by State Curriculum
<b>Unannounced Quizzes</b>	5 5%	C: 70-79	Standards. Should any graduate employee within two years
Final Exam	<b>25%</b>	D: 60-69	of graduation be deemed lacking in said skills, that student
Total	100%	F: 0-59	shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.

\*\*Disclaimer Statements\*\*

\*\*\*\*Instructor reserves the right to change the syllabus and/or lesson plan as necessary.\*\*\*\*

\*\*\*The official copy of the syllabus is located inside the student's online course shell or will be given to them during face to face class time the first day of the semester. The syllabus displayed in advance of the semester in a location other than the course you are enrolled in is for planning purposes only.\*\*\*

Discussion Board Project/Problems Grading Rubric					
Performance	Exceptional 100	Proficient 90	Satisfactory 80	Limited 70	Poor 60
Grammar/ Spelling	Grammatical and Spelling errors do not exist.	Grammatical and Spelling errors are few and cause no comprehension problems.	Grammatical and Spelling errors cause the reader to reread many parts of the paper.	Grammatical and Spelling errors are frequent. Makes paper confusing to read and comprehend.	Grammatical and Spelling errors are so numerous that the paper is hard or impossible to comprehend.
Posts & Word Count	Posts early to allow others time to read and reply to 4 or more posts     125 - 150 words in main thread	Posts early to allow others time to read and reply to 3 posts     80 – 124 words in main thread	Posts at the last minute without allowing enough time for others to read and reply to. Some required postings missing. Reply to 2 posts     50 – 79 words in main thread	Posts at the last minute without allowing enough time for others to read and reply to. Some required postings missing. Reply to 1 posts     25-49 words in main thread	Posts at the last minute without allowing enough time for others to read and reply to. Some required postings missing. No replies     0 – 24 words in main thread
Scope of Solution NO COPYING AND PASTING FROM WEBSITES. If any information comes from a website it must be cited as a resource.	Content provides a thorough frame of reference for comprehending the solution;     An original solution is provided.     Numerous Resources listed	Content provides appropriate factual data but is not original or complete to solve problem or topic.     Resources listed	Content attempts to solve problem or topic but is too vague or disorganized to completely comprehend solution.     Few resources listed	Content is not realistic solution to problem or topic.     One resource listed	Content fails to offer a conscientious solution to selected problem or topic.     No resource listed
Explanation	All Steps are covered. All Questions are answered correctly.	Most Steps are covered and answered correctly.	Most steps are covered but not answered correctly.	Less than half of the steps are covered and answered correctly.	Less than half of the steps are covered and not answered correctly.

# GREY SHADING INDICATES WORK TO COMPLETE ONLINE FOR THE WEEK; WHITE BOXES WILL BE COMPLETED IN CLASS.

COMP 1000 - Introduction to Microcomputers FALL Semester 2015 FY201612 Lesson Plan ***TENTATIVE – SUBJECT TO CHANGE						
Date	Chapter / Lesson	Content	Assignments Tests	*Competency Area		
		W	eek 1			
Tuesday Aug 18- Mon Aug 24		First Day of Class: Class Introduction – Syllabus, Outline, Work Ethics, Rules & Regulations coverage	-Familiarize yourself with ANGEL class (COMP 1000). See STC Website – MySTC	3 a, c		
		SEE DISCUSSION BOARD RUBRICS FOR GRADING.	Login to the course on ANGEL. Complete each item of the START HERE located under Lesson Tab, Week 1 on Angel			
	E-MAIL	Managing E-Mail Messages with STC OWL MAIL	-Familiarize yourself with Using Student Email Account (Owl Mail) from STC Website – Current Students			
			Send email to instructor with an attachment for First Day Attendance.  Due midnight 08/17/15			
	**Week 1 ass		nd turned in <u>before midnight</u> MONDAY Aug	g 24		
_			eek 2			
Tues. Aug 25- Mon Aug 31	Outlook, Intro to Technology, & SAM	Mobile Computer Buyer's Guide & Desktop Computer Buyer's Guide, Mobile Device Buyer's Guide	Read Introduction to Technology (IT 2-IT 36) in book.	1,2,3 a, c		
			**Complete Discussion Board #1 on Angel.			
			Login to the SAM. Please do not create your SAM 2013 user account, your instructor will do this and notify you. You should also have a SAM 2013 keycode to enter once you are able to enter your SAM login.			
			Complete Outlook Training on SAM Complete Intro to Technology Training and Exam on SAM. (SAM PATH)			
	**Week 2 assignments must be completed and turned in <u>before midnight</u> MONDAY Aug 31					

		W	eek 3	
Tues Sept 1 –			Read and step through Office and Windows 8 section (OFF2 – OFF81)	1,2,3 a, c
Mon Sept 7	Office 2013 and Windows 8	Essential Concepts and Skill Windows 7 tasks are given throughout the book in yellow highlight.	Complete Windows 8 *Office 2013 Training	,
			Complete Windows 8 *Office 2013 Exam on SAM (SAM PATH)	
Sept 7	H	HOLIDAY		
	**Week 3 as	signments must be completed ar	nd turned in <u>before midnight</u> MONDAY Sept 7	7
		W	eek 4	
Tues. Sept 8- Mon Sept	WORD 1	Creating, Formatting, and Editing a Word document with a Picture	Work through Word 1 steps in the <b>book</b> to create <b>Adventure Flyer</b> . (Pgs. WD 2-53) to learn	4 a, c
14			Finish working through the chapter steps	
			**Complete Discussion Board #2 on Angel.	
			Complete Word Chapter 1 Project on SAM.	
	**Week 4 ass	signments must be completed an	nd turned in before midnight MONDAY Sept 1	4
		W	eek 5	
Tues Sept 15-	WORD 2	Creating a Research Paper with References & Sources	Read and Biometric Devices Paper (WD 66-122) from book	4 a, c
Mon Sept 21			Finish working through the chapter steps	
			Complete Word Chapter 2 Project on SAM.	
			Finish working on chapter project	
	**Week 5 ass		nd turned in <u>before midnight</u> MONDAY Sept 2	1
		W	eek 6	
Tues Sept 22- Mon Sept	WORD 3	Creating a Business Letter with a Letterhead and Table	Complete Samaras Letterhead and Samaras Thank You Letter from book (WD 138-188)	4 a, c
28			Finish working through the chapter steps	
			Complete Word Chapter 3 Project on SAM	
			Finish working on chapter project	
	**Week 6 ass	signments must be completed an	d turned in before midnight MONDAY Sept 2	8

		W	eek 7	
Tues Sept 29 –			Complete Word Chps 1-3 Training on SAM.	4 a, c
Mon Oct.			Complete Word EXAM on SAM.	,
	POWERPOINT 1	Creating and Editing a Presentation with Pictures	Complete Keeping Hydrated (PPT2-55) from book	
			Finish working through the chapter steps	
	**Week 7 as		nd turned in <u>before midnight</u> MONDAY Oc	t. 5
		W	eek 8	
Tues. Oct 6- Mon.		SEMESTER MIDTERM (October 12, 2015)	Complete PowerPoint Chapter 1 Project on SAM.	7 a, c
12			Finish working on chapter project	
	POWERPOINT 2	Enhancing a Presentation with Pictures, Shapes, and Word Art	Complete Emergency Plan (PPT 74-125) from book. You do not have to print	
			Finish working through the chapter steps	
	**Week 8 ass	signments must be completed an	nd turned in <u>before midnight</u> MONDAY Oct	. 13
		W	eek 9	
Tues. Oct 13 – Mon 19			Complete PowerPoint Chapter 2 Project on SAM.	7 a, c
19			**Complete Discussion Board #3 on Angel. Finish working on chapter project	
	POWERPOINT 3	Reusing a Presentation and Adding Media & Animation	Complete Watch for Motorcycles (PPT 146-191) from book. You do not have to print	
			Finish working through the chapter steps	
	**Week 9 ass	signments must be completed an	d turned in <u>before midnight</u> MONDAY Oct	. 19
		We	eek 10	
Tues. Oct 20- Mon.			Complete PowerPoint Chapter 3 Project on SAM. See Grading Rubric.	7 a, c
26			Finish working on chapter project	,
			Complete PowerPoint Chp 1-3 Training on SAM	
			Complete PowerPoint Chp 1-3 EXAM on SAM	
	**Week 10 as	signments must be completed a	nd turned in <u>before midnight</u> MONDAY Oc	t. 26

		We	eek 11	
Tues. Oct 27- Mon	EXCEL 1	Creating a Worksheet and an Embedded Chart	Complete <b>Bob Gleamin Budget (EX 2 -</b> 53) from book.	6 a, b, c
Nov 2			Finish working through the chapter steps	u, o, c
			Complete Excel Chapter 1 Project on SAM.	
			**Complete Discussion Board #4 on Angel.	
			Finish working on chapter project	
	**Week 11 a	<u> </u>	and turned in <u>before midnight</u> MONDAY No	ov 2
			eek 12	
Tues. Nov 3 – Mon. 9	EXCEL 2	Formulas, Functions, and Formatting	Complete <u>HyperMass Online Storage</u> <b>Salary Report (EX 66-118)- from book.</b>	6 a, b, c
Wion. 9			Complete Excel Chapter 2 Project on SAM.	
			Complete Excel Chp 1-2 Training on SAM	
			Complete Excel Chp 1-2 EXAM on SAM	
	**Week 12 as	ssignments must be completed a	nd turned in <u>before midnight</u> MONDAY No	ov. 9
		We	eek 13	
Tues. Nov 10 – Mon 16	ACCESS 1	Databases and Database Objects: An Introduction	Complete Bavant Publishing AC2-63) from book BE SURE TO SAVE AT THE BEGINNING	5 a, c
			Finish working through the chapter steps	
			**Complete Discussion Board #5 on Angel.	
			Finish working through the chapter steps	
	**Week 13 as	signments must be completed a	nd turned in <u>before midnight</u> MONDAY No	v 16
		We	eek 14	
Tues. Nov 17		Notify instructor of the proctor date you have chosen.	Complete Access Chapter 1 Project on SAM.	5 a, c
– Tues. 24			Finish working on chapter project	,
			Finish working on chapter project	
			Complete Access Chp 1 Training and EXAM on SAM	
	T	hanksgiving Hol	lidays 25 <sup>th</sup> and 26 <sup>th</sup> .	
	**Week 14 a	ssignments must be completed a	nd turned in before midnight MONDAY Do	ec. 1
		*		

Week 15				
Mon		LAST WEEK OF CLASS	Complete COMP1000 Competency	1-7
Nov 30 – Dec 3		SEMESTER ENDS	Training on SAM.	a, b, c
			Complete COMP1000 Competency Training on SAM.	
			COMP 1000 Final Exam on SAM. (You	
			must make a 70 or higher in order to pass the course. NO EXCEPTIONS!) Due Dec 1st or 3rd	

Students are responsible for all information contained in this lesson plan. This lesson plan is subject to change at the instructor's discretion.

# **COMP1000 Introduction to Microcomputers Competency Areas:**

- (1) Computer Terminology
- (2) Introduction to the Windows Environment
- (3) Introduction to the Internet and Email
- (4) Introduction to Word Processing Software
- (5) Introduction to Database Software
- (6) Introduction to Spreadsheet Software
- (7) Introduction to Presentation Software

# **GENERAL EDUCATION CORE COMPETENCIES:**

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