

**Southern Arkansas University Tech**  
P.O. Box 3499 ~ Camden, AR 71711 ~ 870-574-4453  
[www.sautech.edu](http://www.sautech.edu)

## Online Course Information Sheet

**Course Number:** MATH 1043

**Course Title:** Math for Technology

**Course Description:** This course is designed to meet the mathematics requirement for an AAS Degree. Only students in an AAS degree plan should enroll in this course. The course consists of applications, formulas, problem solving and critical thinking skills as applied to AAS programs. Topics covered include basic mathematics skills, measurements, basic geometry, elementary algebra and basic trigonometric functions.

**Instructor Name:** Dr. Terry Hutson

**Instructor Bio:** I have taught Mathematics courses at Southern Arkansas University Tech as a member of the Arts and Sciences faculty since the Fall 1991 semester. I earned my EdD. at the University of Memphis, MS at the University of Arkansas, Fayetteville, and BS at the University of Central Arkansas.

**Prerequisite:** Successful completion of MA0145 (Elementary Algebra) or ACT/ASSET placement test score.

**Textbook Title:** *Technical Mathematics* – SAU Tech's custom printing of *Elementary Technical Mathematics*. 9<sup>th</sup> Edition by Ewen & Nelson, Thomson Brooks/Cole, 2007

**Cengage Account:** Cengage will be used for practice and homework. Information to help you setup your Cengage account is included with your textbook. **Access codes that have been used by other students cannot be reused.**

**Learning Outcomes:** Students will achieve a minimum 70% proficiency on the following course outcomes:

1. Practice Basic Concepts (Review only)
2. Perform operations on Signed numbers and Powers of 10
3. Work with the Metric System
4. Perform Measurements
5. Simplify Polynomials
6. Solve Equations and Formulas
7. Solve Ratio and Proportion Problems
8. Graph Linear Equations
9. Factor Algebraic Expressions
10. Solve Quadratic Equations
11. Work with Geometry
12. Solve Right Trigonometry problems.

**Teaching Methodology, including description of interaction between student and instructor:** Instructor utilizes a combination of reading and problem solving using the textbook and the Cengage software. Students must show reasonable and satisfactory progress toward completing the required coursework throughout the semester. Students may be dropped from this course for failing to make reasonable and satisfactory progress throughout the semester. Students must also maintain contact with the instructor on a regular basis throughout the semester by sending at least one e-mail every three weeks to report your progress in the course. Students must contact the instructor to report any technical or personal issues that are preventing them from making reasonable and satisfactory progress in the course.

**Methods of Testing:** Exams linked to Blackboard. Homework assignments contained in Cengage.

**Enrollment Procedures:**

Non-degree seeking students applying for admission to SAU Tech must submit an application for admission, appropriate placement test scores or, if applicable, official college transcript(s) with proof of Composition I and Intermediate Algebra (having earned a letter grade of "C" or better).

Full-time degree seeking students and part-time degree seeking students applying for financial aid applying for admission to SAU Tech must submit an application for admission, appropriate placement test scores, immunization record (if born after 01/01/1957), high school transcript or GED scores, and official college transcript(s), if applicable. (Note: Part-time students not applying for financial aid do not have to submit immunization record.)

Students are responsible for all tuition and fees at the time of registration. Students must officially drop by written notice or in person in order to reduce their balance owed. If students never attend class, he/she will still be assessed partial tuition and full student processing fees, unless completely he/she completely withdraws during the 100% refund period.

In order for a student to drop a class, he/she must complete a drop form or send written request to his/her advisor. A \$10 add/drop fee is assessed for adds/drops that take place after the registration period ends.

**Special Enrollment Issues (specialized software or equipment, access to a particular network, or similar requirements):**

**Special Attendance Requirements (student contact with instructor, proctored examinations, etc.):**

The final exam must be taken at an approved proctor site.

**Access to Learning Resources:**

Students will receive all required discussion materials through the Internet, links to texts, and the electronic mail with Blackboard. Students will be required to purchase the course textbook, if applicable, and Learning Resource Center access is encouraged but not required to be successful. Textbooks can be ordered online. The Bookstore number is (870) 574-4510. The Library number is (870) 574-4518.

**Other Considerations (writing ability, assignments/projects, time considerations, etc.):**

Students will need Internet access, Microsoft Word, Adobe Acrobat Reader, and the ability to send and receive e-mail attachments using the e-mail within Blackboard.