



**Southern Arkansas University Tech**

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[www.sautech.edu](http://www.sautech.edu)

**ONLINE COURSE INFORMATION SHEET**

**Course Number:** PHSC2021

**Course Title:** The Physical Sciences Lab

**Course Description:** Labs to accompany PHSC2023, The Physical Sciences

**Instructor:** Steve Candler

**Instructor Bio:** AAS Colorado Technical College, BS University of Arkansas at Monticello, MA Southern Arkansas University

**Prerequisite:** eligible to take Composition I or have completed all appropriate Reading and Writing courses

**Textbook Title:** None, but a Physical Science text may be helpful, such as the one used in the Lecture portion: Physical Science, 10<sup>th</sup> Ed., Tillery

**Learning Outcomes:**

- A. Facilitate scientific inquiry
  - a. Use the Metric System
  - b. Use the Scientific Method to answer a question (solve a problem)
- B. Apply scientific principles
  - a. Interpret graphs
  - b. Investigate inertia, motion, falling objects, density, buoyancy, pendulums, and air pressure

**On-Campus Requirement**

None

**Modes of Interaction**

Entirely on line, self-paced, provided course deadlines are met. Students must maintain contact with instructor and make progress in the course at least every two weeks (every week during the Summer Session). Work must be submitted to the instructor before deadlines listed within the course.

**Methods of Assessment**

Labs are downloaded, performed (using common household materials), then turned in (on-line).

**Enrollment Procedures**

SAU Tech is an open admissions college; however, we have several items that you must provide in order to be admitted:

- Submit application for admission.
- Submit a high school transcript or GED, and official college transcripts from all previously attended colleges (if applicable).
- Provide proof of two immunizations against measles, mumps and rubella.
- Take a placement test. Students enrolling must submit ACT, SAT, ASSET or COMPASS scores. Students can take the ASSET or COMPASS test at SAU Tech.

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 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 drop fee is assessed for drops that take place after the registration period ends.

**Admissions Office Website:** <http://www.sautech.edu/studentResources/admissions.aspx>

**Course Registration Website:** <http://www.sautech.edu/studentResources/advising.aspx>

**Technical Requirements and Resources:** Students will need Internet access and have the ability to send and receive e-mail attachments using the e-mail within Blackboard.

**Library Website:** <http://www.sautech.edu/lrc/index.aspx>

**Bookstore Website:** <http://sautech.textbooktech.com>

**Adult Learner Resources:** Online library and bookstore services can be obtained at the library and bookstore websites. Advising services can be obtained at <http://www.sautech.edu/studentResources/advising.aspx>.

**Student Support and Learning Resources:** Online library and bookstore services can be obtained at the library and bookstore websites. Advising services can be obtained at <http://www.sautech.edu/studentResources/advising.aspx>.

#### Other Considerations

Prior computer skills are essential for success in an online class. Prior to enrolling in an online class, you should be able to:

- Surf the Internet and download web pages
- E-mail and attach files and know proper e-mail etiquette
- Use Microsoft Word skills and submit papers with correct format, grammar and spelling

All first time online students are required to complete Learning Strategies before they will be allowed to take their online course(s). The purpose of Learning Strategies is to teach students how to use Blackboard and provide information about other systems that students will use while a student at SAU Tech.

There are computer programs and other things that you will need if you are taking an online course from SAU Tech. To make it easier for you, we have compiled a list of these things. Before beginning your online course, you should go ahead and make sure each of these programs listed below are loaded on every computer that you will use while taking your online course(s).

- **Microsoft Word** – used to complete assignments and submit to instructor
  - Can be accessed via SkyDrive inside your student email account. **FREE**
  - Can be purchased from Wal Mart or other software vendor and will need to be loaded on to your computer
  - There is also a **free** product that works just as good as the Microsoft Office Suite. You can download it at <http://download.openoffice.fm/free/?pk=26976>
- **Respondus LockDown Browser** – used to take exams in Blackboard
  - Cost: Free
  - Can be downloaded to your computer from [http://www.sautech.edu/docs/ldb\\_instructions.pdf](http://www.sautech.edu/docs/ldb_instructions.pdf)
    - *Note: Not compatible with Linux operating system. Must have Windows XP, 2000, ME or 98 operating system for personal computers or OS X 10.3.9 or higher and Safari browser for Macintosh.*
- **Adobe Reader 7.0 or higher** – used to read files in pdf format
  - Cost: Free
  - Can be downloaded to your computer from <http://www.adobe.com/products/acrobat/readstep2.html>
- **Adobe Flash Player (7 or higher)** – used to view study activities and demonstrations in Learning Strategies course
  - Cost: Free
  - Can be downloaded to your computer from [http://www.adobe.com/shockwave/download/download.cgi?P1\\_Prod\\_Version=ShockwaveFlash](http://www.adobe.com/shockwave/download/download.cgi?P1_Prod_Version=ShockwaveFlash)
- **Macromedia Shockwave Player 8.5.1** – used for interactive quizzes, animations and activities
  - Cost: Free
  - Can be downloaded to your computer from <http://www.macromedia.com/shockwave/download/download.cgi?>
- **Windows Media Player** – used to listen play audio files
  - Cost: Free
  - Comes as part of your Windows operating system
- **Java** – a technology that is required in order for Blackboard to function properly as well as some other programs that SAU Tech uses with its online classes (**Note: Only one version of Java can be running on your computer at a time.**)
  - Cost: Free
  - Can be downloaded to your computer from <http://javashoplm.sun.com/ECom/docs/Welcome.jsp?StoreId=22&PartDetailId=jre->