

Trimester 2 & 3 New Courses

Audio Engineering- Live

Offered Trimester 2; Period 3

What does it take to set up and run sound in a live performance environment? This hands-on course explores the acoustical, musical, and technical aspects of the live performance, in order to learn how to present the best possible sound to the audience. Students will study, evaluate, and compare several different live and studio recordings in order to build an aesthetic standard for their own live mixing choices.

Audio Engineering- Studio

Offered Trimester 3; Period 3

Ever thought about recording yourself or building your own recording studio? This course explores multi-track recording techniques as applied to professional sound systems. Studio consoles, signal path, microphone configuration and placement, signal to noise ratio, and other relevant topics will be studied. Students will experience the generation, transmission, and detection of sound; properties of sounds; history and aesthetics of electro-acoustic music and components; anatomy of audio equipment; professions in the field of audio technology; audio production studio management; and the global structure of audio recording-related industries. Students will apply basic recording and editing techniques in the completion of hands-on audio projects. No prerequisite courses or musical skills are necessary.

Intro to Eng Des: UAS-CTE

Offered Trimester 2 and 3; Period 5 in Trimester 2 and Period 1 in Trimester 3

The first course in the CTE course of study for Unmanned Autonomous Systems. Students will gain experience in solving problems by applying a design development process. Students will learn the basics of solid modeling computer design software, and students develop, analyze, and test models as well as communicate the features of those models.

Math for Aviation-CTE

Offered Trimester 2 and 3; Period 1 in Trimester 2 and Period 5 in Trimester 3

Geometry recommended

This is a mathematics course that is the introduction to South's new UAS (Unmanned Autonomous Systems) CTE Pathway. The course supports Intro to UAS which will be taken the same year. These two sophomore level courses will part of the course of study. Students will strengthen algebra and basic geometry skills by utilizing Aviation Charts and other Aeronautical resources. The course is project-based with a significant emphasis on mathematical modeling. Students may take the course concurrently with geometry. The prerequisite is a C- or better in Algebra I-C.

Computer Science IA and Computer Science IB

Offered 1A in Trimester 2 & 1B in Trimester 3; Periods 2, 3 and 4

(Formerly Computer Fundamentals) This is a hands-on introduction to personal computers and application software. Students will learn basic computer terminology, the role of computers in society, the Windows operating system and the use of word processing, spreadsheet, presentations, database, and Internet software. Students have the opportunity to customize the focus of their individual coursework. There are no prerequisite courses and students may take one or both courses.

NOTE: Intro to Eng Design and Math for Aviation should be scheduled in separate trimesters.