

**Arts, AV Technology & Communications Career Cluster**  
**Audio Video Technology and Film II**  
**Course Number: 10.51910**

**Course Description:**

This one credit course is the second in a series of three that prepares students for a career in Audio Video Technology and Film production and/or to transfer to a postsecondary program for further study. Topics include Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics; Career Opportunities; and Professional Ethics. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA) and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program.

**Course Standard 1**

**AAVTC-AVTFII-1**

**Demonstrate employability skills required by business and industry.**

The following elements should be integrated throughout the content of this course.

- 1.1 Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities.
- 1.2 Demonstrate creativity with multiple approaches to ask challenging questions resulting in innovative procedures, methods, and products.
- 1.3 Exhibit critical thinking and problem solving skills to locate, analyze, and apply information in career planning and employment situations.
- 1.4 Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity.
- 1.5 Apply the appropriate skill sets to be productive in a changing, technological, and diverse workplace to be able to work independently, interpret data, and apply team work skills.
- 1.6 Present a professional image through appearance, behavior, and language.

**Course Standard 2**

**AAVTC-AVTFII-2**

**Demonstrate use of multiple types and formats of programs and productions.**

- 2.1 Identify and explain a script using the following types/formats of programs and productions:
  - Film, including short film, long form, documentary
  - TV, including broadcast news, commercials, TV film, drama, magazine style show, and reality TV
  - Web, including reality, news programming, film programming
- 2.2 Plan and write a script following appropriate production format, including a treatment/program proposal.
- 2.3 Demonstrate editing a program using appropriate production format.
- 2.4 Prepare a finished production for distribution via multiple delivery formats (i.e., phone, web, DVD, TV, and Blu-Ray).

### Course Standard 3

#### AAVTC-AVTFII-3

##### Identify and demonstrate specified operational and set-up/maintenance procedures.

- 3.1 Review basic electrical needs for a production
- 3.2 Review types of audio/video/data connectors and cables.
- 3.3 Describe data transfer devices and protocols.
- 3.4 Demonstrate troubleshooting audio/video functions/signal path & distribution (i.e., output to TV, computer, web streaming, bad cable connection, and proper connectors).

### Course Standard 4

#### AAVTC-AVTFII-4

##### Perform advanced editing operations.

- 4.1 Edit multiple layers of video/audio and perform split audio/video edits.
- 4.2 Calculate back time and running time of production
- 4.3 Demonstrate matching action/matching frame editing
- 4.4 Demonstrate special effects processing to include color correction, keying and digital compositing.
- 4.5 Demonstrate maintaining proper continuity for a production.

### Course Standard 5

#### AAVTC-AVTFII-5

##### Demonstrate teamwork and proper use of equipment while participating in studio productions.

- 5.1 Identify and describe different studio productions (i.e., commercial, news, talk show, interview, and film).
- 5.2 Identify and develop leaders for studio production, including assigning leadership roles for producer and director.
- 5.3 Select appropriate studio equipment based on production requirements (i.e., green screens, news casts, and talk shows).
- 5.4 Demonstrate operating studio equipment, as assigned.
- 5.5 Demonstrate setting and adhering to production deadlines.

### Course Standard 6

#### AAVTC-AVTFII-6

##### Demonstrate correct operations for studio and field lighting.

- 6.1 Demonstrate setting lighting required for field production (i.e., using reflectors, on camera lights, and portable lighting instruments).
- 6.2 Demonstrate designing and setting lights for a studio broadcast.
- 6.3 Demonstrate setting lights for special effects (i.e., green screen and compositing).
- 6.4 Demonstrate using light modifiers (i.e., reflectors, bounce cards, flag, cookies, and gels).
- 6.5 Demonstrate and perform correct operation of a lighting dimmer.

## Course Standard 7

### AAVTC-AVTFII-7

#### Create production graphics.

- 7.1 Design and produce computer motion graphics and animation.
- 7.2 Demonstrate and explain key frames, motion paths and motion tracking.
- 7.3 Describe 3D space (i.e., x,y,z axis).

## Course Standard 8

### AAVTC-AVTFII-8

#### Identify and research related career opportunities.

- 8.1 Identify and research a career direction.
- 8.2 Demonstrate participating in productions to support a career direction.
- 8.3 List and describe a mastered-skills inventory.

## Course Standard 9

### AAVTC-AVTFII 9

#### Examine how SkillsUSA is a co-curricular part of career and technical education through leadership development, school and community service projects, and competitive events.

- 9.1 Explain the purpose, mission, objectives, motto, colors, official dress and other distinguishing characteristics of SkillsUSA.
- 9.2 Explain how participation in SkillsUSA can promote lifelong responsibility for community service, professional growth and development.
- 9.3 Explore the impact and opportunities that SkillsUSA can develop to bring business and industry together with education in a positive working relationship through innovative leadership and career development programs.
- 9.4 Explore the local, state, and national opportunities available to students through participation in SkillsUSA, including but not limited to conferences, competitions, community service, philanthropy, and other SkillsUSA activities.