

**ARIZONA CTE CAREER PREPARATION STANDARDS & MEASUREMENT CRITERIA**

<b>TECHNICAL THEATRE, 50.0500.2</b>	
<b>STANDARD 1.0 – INVESTIGATE HOW THEATRICAL DESIGN COMPONENTS CONTRIBUTE TO THEATRICAL PRODUCTION</b>	
1.1	Demonstrate the elements of design as applied to theatre
1.2	Distinguish among types of performance venues, traditional and non-traditional
1.3	Research historical and contemporary production designs from a variety of perspectives to determine a production style
1.4	Interpret cultural and historical eras in theatre
1.5	Identify previous and contemporary production techniques
1.6	Demonstrate how design conveys the mood, places the action, and reveals character and setting
1.7	Describe the role of the designer in the collaborative process of theatre
1.8	Demonstrate how a designer communicates a production design, including renderings, models, sketches, drafting, computer graphics, etc.
<b>STANDARD 2.0 – EXPLORE HOW TECHNICAL THEATRE REALIZES THE DESIGN PROCESS</b>	
2.1	Recognize the roles and responsibilities of technical theatre positions and their positions within a production hierarchy
2.2	Interpret design drawings, including renderings, drafting, and models
2.3	Collaborate with designers to realize the design
2.4	Employ interpretations in constructing sets, costumes, and installing lighting and sound plots
<b>STANDARD 3.0 – SCENERY: PRACTICE THEATRICAL CONSTRUCTION TECHNIQUES THAT REALIZE THE SET DESIGN</b>	
3.1	Employ shop safety protocols
3.2	Identify construction materials, tools, and hardware
3.3	Develop material costs and time estimates for the set design
3.4	Select construction materials appropriate to the set design
3.5	Explore automation techniques for scenery in theatre (hydraulics, pneumatics, mechanical theatre, show control)
3.6	Apply appropriate construction techniques based on material choices
3.7	Determine and apply appropriate scenic painting techniques
3.8	Assemble/strike scenic elements on stage

**ARIZONA CTE CAREER PREPARATION STANDARDS & MEASUREMENT CRITERIA**

<b>STANDARD 4.0 – COSTUMES: PRACTICE THEATRICAL TECHNIQUES THAT REALIZE COSTUME DESIGN</b>	
4.1	Employ shop safety protocols
4.2	Create costume patterns based on the designs
4.3	Identify costume construction materials, tools, and hardware
4.4	Develop material costs and time estimates for the costume design
4.5	Select construction materials appropriate to the costume design
4.6	Apply appropriate construction techniques based on material choices
4.7	Conduct fittings with actors
4.8	Determine and apply appropriate finish techniques, including dyeing and painting
4.9	Organize quick changes, costume repairs, and general maintenance through the run of a show
<b>STANDARD 5.0 – PROPERTIES: COLLABORATE WITH DIRECTOR AND DESIGN TEAM ON PROPERTY LIST AND SET DRESSINGS</b>	
5.1	Employ shop safety protocols
5.2	Plan for rehearsal properties
5.3	Determine whether to build or procure properties and set dressings
5.4	Identify construction materials, tools, and hardware as needed
5.5	Select construction materials appropriate to the properties and/or set dressings as needed
5.6	Develop material costs and time estimates for the properties and set dressings
5.7	Apply appropriate construction techniques based on material choices as appropriate
5.8	Determine and apply appropriate finish techniques, including dyeing and painting
5.9	Install set dressings
5.10	Organize properties table for the run of show
5.11	Maintain properties through run of show
<b>STANDARD 6.0 – RIGGING: EMPLOY SAFE RIGGING PRACTICES</b>	
6.1	Demonstrate proficiency in clove-hitch, bowline, half-hitch, and snub (Sunday) knots
6.2	Understand and operate single and double purchase theatrical rigging systems

These technical knowledge and skill standards were validated by a Skill Standards Validation Committee on June 30, 2009, and used in the adaptation, adoption, and development of test items for first time testing in Spring 2010.

## ARIZONA CTE CAREER PREPARATION STANDARDS & MEASUREMENT CRITERIA

6.3	Understand and operate an automated rigging system
6.4	Identify, select, and employ appropriate hanging hardware
6.5	Implement the hang
<b>STANDARD 7.0 – LIGHTING: PRACTICE THEATRICAL LIGHTING THAT REALIZES THE LIGHTING DESIGN</b>	
7.1	Employ appropriate safety protocols, including electrical, rigging, etc.
7.2	Understand basic electrical formulas
7.3	Maintain lighting equipment
7.4	Discriminate between lamps
7.5	Understand lighting board operation and patching
7.6	Interpret the lighting plot and associated paperwork
7.7	Identify different types of instruments and their uses
7.8	Demonstrate ability to hang and focus lighting instruments, including cabling
7.9	Understand basic color media and lighting accessories
7.10	Integrate use and programming of intelligent lighting
7.11	Utilize lighting design software
7.12	Recognize DMX and other protocols
<b>STANDARD 8.0 – SOUND: PRACTICE AUDIO TECHNIQUES THAT REALIZE THE SOUND DESIGN</b>	
8.1	Employ appropriate safety protocols, including electrical, rigging, etc.
8.2	Understand basic electrical formulas
8.3	Maintain audio equipment
8.4	Discriminate between microphones, speakers, amplifiers, and peripherals
8.5	Understand sound board operation and patching
8.6	Interpret the sound plot and associated paperwork
8.7	Demonstrate ability to install and EQ audio equipment, including cabling
8.8	Understand basic acoustic theory

These technical knowledge and skill standards were validated by a Skill Standards Validation Committee on June 30, 2009, and used in the adaptation, adoption, and development of test items for first time testing in Spring 2010.

## ARIZONA CTE CAREER PREPARATION STANDARDS & MEASUREMENT CRITERIA

8.9	Integrate use and programming of automated mixing console
8.10	Utilize sound design/playback software
8.11	Understand live sound reinforcement techniques
8.12	Understand studio recording techniques
<b>STANDARD 9.0 – STAGE MANAGEMENT: APPLY ORGANIZATIONAL AND COMMUNICATION SKILLS TO MANAGING A THEATRICAL PRODUCTION</b>	
9.1	Understand and enforce safety procedures and protocols
9.2	Manage rehearsal process (schedule, actors, technicians, director)
9.3	Call the show, including lighting, sound, props, scene changes, actors, costuming, etc.
9.4	Develop a prompt book and show related paperwork
9.5	Conduct the technical/ pick-up rehearsals
9.6	Read scaled drawings and arrange rehearsal hall appropriately
9.7	Create blocking notes during rehearsal
9.8	Perform the role of liaison between all artistic and technical entities
9.9	Create master calendar for the production from first concept meeting to strike
9.10	Coordinate the running crew
<b>STANDARD 10.0 – STAGEHANDS: PERFORM TASKS NECESSARY TO SUPPORT THE PRODUCTION</b>	
10.1	Practice stage safety protocols, including ergonomics
10.2	Operate stage mechanics (rigging, turntables, hydraulics, etc.)
10.3	Understand proper manual stage shifting techniques
10.4	Establish and practice proper backstage decorum
<b>STANDARD 11.0 – PRACTICE MARKETABLE WORKPLACE SKILLS</b>	
11.1	Exhibit computer literacy as related to technical theatre
11.2	Develop a technical theatre portfolio and resume
11.3	Develop strong interpersonal communication skills
11.4	Utilize social networks appropriately to further career

These technical knowledge and skill standards were validated by a Skill Standards Validation Committee on June 30, 2009, and used in the adaptation, adoption, and development of test items for first time testing in Spring 2010.

---

**ARIZONA CTE CAREER PREPARATION STANDARDS & MEASUREMENT CRITERIA**

---

11.5	Understand the role of unions and professional affiliations as they relate to theatre and related industries
11.6	Research job, internship, and higher/continuing education opportunities, including scholarships in technical theatre