Program: Theatre & Film: Production & Design	CIP Code: 500502

Competency: 4A. Understand the processes, techniques and skills of LIGHTING, and the implementation to support a variety of performances.

Alignment (state competencies, dual enrollment, IRC...) Understand the processes, techniques and skills of LIGHTING, and the implementation to support a variety of performances. This competency aligns with the state competencies and our articulation agreement.

CTE Depth of Knowledge Performance Description	EXPANDING- DOK 4 ROUTINELY EXTEND THINKING AND WORK BEYOND A PROFICIENT LEVEL	PROFICIENT- DOK 3 ANALYZE, RESEARCH AND APPLY YOUR KNOWLEDGE AND SKILLS TO SOLVE TYPICAL TYPES OF INDUSTRY PROBLEMS	DEVELOPING- DOK 2 KNOW AND SHOW HOW SYSTEM COMPONENTS ALIGN AND WORK TOGETHER.	BEGINNING- DOK 1 RECALL, REMEMBER, AND CATEGORIZE ROUTINE DETAILS RELATED TO INDUSTRY SYSTEMS
Occupational Pathway	**Lighting Designer, Assistant Lighting Designer, Programmer,**	**Master Electrician**	**Electrician**	**Lighting Crew**
Practice Performance Indicators	I can- ❑ Program and fix cues "on the fly" during a performance. ❑ Program lighting Cues and looks in the blind. ❑ Create a Vectorworks plot. ❑ Manage a budget for a production. ❑ Technical feedback from directors and other collaborators. ❑ Supervise a lighting crew during an install. ❑ Read a basic VectorWorks Plot.	I can- ❑ Program basic lighting cues for a production. ❑ Patch and program basic cues using conventional and intelligent fixtures. ❑ Set up basic portable lighting for events. ❑ Setup a lighting console.	I can- ❑ Write lighting cues for a small project. ❑ Set DMX addresses. ❑ Patch fixtures within a console. ❑ Repair and maintain a fixture ❑ Plug a lighting fixture into the proper circuit and dimmer. ❑ Operate motor control panel ❑ Fix electrical components of a lighting fixture.	I can- ❑ Hang lighting fixtures. ❑ Disassemble and clean lighting fixtures. ❑ Reassemble lighting fixtures ❑ Use safety cables with each fixture. ❑ Identify lighting fixture parts. ❑ Call necessary safety cues
Evidence	ETC EOS Quiz	Patch quiz, Vectorworks	ETC Express Quiz, Patching Quiz	Source Four Parts Quiz

		Quiz		
Theory Performance Indicators	**I understand-** ❑ Problems and solutions with all types of fixtures. ❑ The Source of electrical issues. ❑ A Lighting Design to match the scope and artistry of a performance. ❑ A budget and adjustments for costs-related in a reasonable-sized production.	**I understand-** ❑ Color theory. ❑ Lighting "looks" & effects. ❑ The capabilities of Intelligent vs. Conventional Fixtures. ❑ Equipment needs for events.	**I understand-** ❑ The parameters of lighting (Time, Color, Effect). ❑ The principles of DMX universes. ❑ The parameters of patching. ❑ Electrical wiring of Source Four fixtures.	**I understand-** ❑ The necessary lighting components and safety requirements involved with lighting: programming, plot, maintenance and storage.
Evidence	ETC EOS Quiz	Patch quiz, Vectorworks Quiz	ETC Express Quiz, Patching Quiz	Source Four Parts Quiz