

Engineering Technology – Theatre Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: ETTHTR-AAS

DESCRIPTION

This degree provides students with classroom and laboratory experience in electricity, mechanical power, and fluid power systems. The Theater Technology emphasis focuses on those skills used in entertainment environment. Academic courses emphasizing relevant math, science and human relations are stressed to prepare students to meet challenges common in the theater environment. The effective combination of theoretical courses and hands-on experience gained through Co-Op enhances student's ability to secure employment as well as future professional growth in theater technology.

STUDENT LEARNING OUTCOMES

- Show the necessary skills to design, assemble, and operate different fluid power systems and perform basic system calculations.
- Demonstrate a working knowledge of how to be effective in their technical roles as a theater technician.
- Obtain relevant up-to-date and applied knowledge and skills to set-up, upgrade and troubleshoot the equipment used in theater environment.
- Develop teamwork skills through design and operation of various mechanical power transmission systems and show potential to accept supervisory responsibilities as a manager.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)**MATHEMATICS (3 credits)**

Recommended: MATH 116 Technical Mathematics

ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 46 for courses

COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)

Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)**CORE REQUIREMENTS (30 credits)**

ADT 100B	Introduction to Drafting Theory	3
CADD 100	Introduction to Computer Aided Drafting	3
ET 104B	Fabrication and Soldering Techniques	2
MT 101B	Introduction to Theater Technology	2
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
THTR 204	Theater Technology I	3
THTR 214	Theater Technology II	3
WELD 132B	Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2

Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

ELECTIVES (choose 6 credits)

ET 106B	Test Equipment Operation	3
ET 132B	AC for Electronics	4
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 115B	Programmable Logic Controllers I	3
MT 116B	Programmable Logic Controllers II	3
MT 183B	Co-Op/Internship Third Semester	3
MT 184B	Co-Op/Internship Fourth Semester	3
WELD 131B	Blueprint Reading, Layout, and Sketching	3
WELD 133B	SMAW (Stick)	4
WELD 134B	GTAW (Tig)	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



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FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
MT 102B Fundamentals of Electricity	4
CADD 100 Introduction to Computer Aided Drafting	3
ET 104B Fabrication and Soldering Techniques	2
MT 101B Introduction to Theater Technology	2
TOTAL CREDITS	14
SECOND SEMESTER	Credits
Complete AAS English Composition p. 46	3-5
ADT 100B Introduction to Drafting Theory	3
MT 104B Industrial Electricity	4
THTR 204 Theater Technology I	3
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2
TOTAL CREDITS	15-17
THIRD SEMESTER	Credits
COM 115 Applied Communication	3
HIST 106 European Civilization Since 1648	3
TOTAL CREDITS	6
FOURTH SEMESTER	Credits
MUS 231 Recording Techniques I	3
MT 106B Mechanical Power Transmission	4
THTR 214 Theater Technology II	3
Complete Electives (see courses this page)	3
IS 100B or IS 101	0-3
TOTAL CREDITS	13-16
FIFTH SEMESTER	Credits
EGG 131 Technical Physics I	3
EGG 131L Technical Physics I – Lab	1
PSC 101 Introduction to American Politics	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses this page)	3
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	63-68

