

**Fire and Emergency Services Administration**

BACHELOR OF APPLIED SCIENCE (BAS)

REQUIRED CREDITS: 121

DEGREE CODE: FIRESA-BAS

Admittance into the Bachelor of Applied Science program will require a minimum of an associate degree in fire science or a closely related field. Those seeking entry into the program without a closely related associate degree will have their coursework reviewed for admittance. For information regarding the Bachelor of Applied Science – Emergency Services Administration degree, please contact Greg Gammon, Director of Fire Science at 702-651-7554 or Rita Hayes, Department Chair, at 702-651-4048.

**DESCRIPTION**

This BAS degree is intended for students who wish to develop their managerial skills and further compliment the technical skills they have already acquired at the AAS degree level. The BAS will open up career pathways and promotional opportunities beyond what an AAS degree will provide. Students will complete additional coursework that has been approved by Fire and Emergency Services Higher Education (FESHE) model curriculum. The BAS degree will be granted to students who have successfully completed an AAS degree in Fire Science or a closely related field from a regionally accredited community college and matriculate to complete the core and noncore courses recommended by FESHE.

**STUDENT LEARNING OUTCOMES**

- Evaluate community risk reduction methods related to the fire service.
- Assess effective leadership programs in public administration.
- Appraise business strategies involving personnel, fiscal management, legal and administrative practices related to the fire service.
- Create and evaluate policy, plans, and procedures to support emergency services administration.

**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 (37 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 120 or above (except 122, 123)

**ENGLISH COMPOSITION (6-8 credits)**

ENG 100 or 101 or 107 or 113 and 333

**COMMUNICATIONS (6 credits)**

Required: BUS 107 and COM 101

**HUMAN RELATIONS (3 credits)**

HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 205, 275

**NATURAL SCIENCE (6 credits)**

AST; CHEM; ENV; GEOG 103, 104, 117; GEOL; PHYS

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (9 credits)**

PHIL 302 and 311 and one from the following: AM; ANTH; ART; COM; DAN 101; ECON; ENG 223; GEOG 106; HIST; World Languages; MUS; MUSA; MUSE; PHIL; PSC; PSY; SOC; THTR; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 CREDITS)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 102 and HIST 111; or HIST 111 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (84 CREDITS)**

**LOWER LEVEL REQUIREMENTS (27 credits)**

FT 101	Principles of Emergency Services	3
FT 105	Fire Behavior and Combustion	3
FT 121	Fire Prevention	3
FT 125	Building Construction for Fire Protection	3
FT 131	Hazardous Materials Chemistry	3
FT 152	Legal Aspects of Emergency Services	3
FT 154	Principles of Fire and Emergency Services Safety and Survival	3
FT 224	Fire Protection Systems	3
FT 291	Fire and Emergency Services Administration	3

**SPECIAL PROGRAM REQUIREMENTS CONTINUED**

**ELECTIVES (choose 15 credits from the following)**

FT 126	Fire Investigation I	3
FT 150	Apparatus and Equipment	3
FT 151	Fire Protection Hydraulics and Water Supply	3
FT 153	Occupational Safety and Health for Emergency Services	3
FT 190	Fire Instructor I	3
FT 191	Introduction to Company Officer	3
FT 226	Fire Investigation II	3
FT 243	Strategy and Tactics	3

**Upper Division FESHE Requirements (42 credits)**

FT 300	Fire Dynamics	3
FT 301	Political and Legal Foundations for Fire Protection	3
FT 302	Fire and Emergency Services Administration	3
FT 303	Personnel Management for Fire and Emergency Services	3
FT 304	Fire Prevention Organization and Management	3
FT 305	Managerial Issues in Hazardous Materials	3
FT 306	Financial Management for Fire and Emergency Services	3
FT 400	Fire Investigation and Analysis	3
FT 401	Fire Protection Structures and Systems	3
FT 402	Fire Related Human Behavior	3
FT 403	Disaster Planning and Control	3
FT 404	Analytical Approaches to Public Fire Protection	3
FT 405	Community Risk Reduction for Fire and Emergency Services	3
FT 406	Applications of Fire Research	3

**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](http://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**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 333 Professional Communications	3
PHIL 302 Intermediate Reasoning and Critical Thinking	3
FT 291 Fire and Emergency Services Administration	3
FT 300 Fire Dynamics	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
FT 301 Political and Legal Foundations for Fire Protection	3
FT 302 Fire and Emergency Services Administration	3
FT 303 Personnel Management for Fire and Emergency Services	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses previous page)	3
FT 304 Fire Prevention Organization and Management	3
FT 305 Managerial Issues in Hazardous Materials	3
FT 306 Financial Management for Fire and Emergency Services	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
PHIL 311 Professional Ethics	3
FT 400 Fire Investigation and Analysis	3
FT 401 Fire Protection Structures and Systems	3
FT 402 Fire Related Human Behavior	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
FT 403 Disaster Planning and Control	3
FT 404 Analytical Approaches to Public Fire Protection	3
FT 405 Community Risk Reduction for Fire and Emergency Services	3
FT 406 Applications of Fire Research	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60</b>

Please note – This degree plan is based on a student who has already completed an associate’s degree in fire science or a closely related field.

