

**FIRE SCIENCE TECHNOLOGY**

Associate of Applied Science Degree

**AN**

*Purpose:* The overall goal of the program is to prepare individuals for entry or advancement in the fire service or a related field by providing them with knowledge of the fire protection profession and giving them the general education necessary to function and advance in one of these professions.

*Transfer Information:* Although transfer is not the primary purpose of an A.A.S. program, NVCC has articulation agreements that facilitate the transfer of this and other career-oriented programs to selected senior institutions. Students interested in transfer should contact a counselor or their faculty advisor early in their program.

<b>Two Years</b>		<b>Credits</b>
<b>1st Semester</b>		
ENG	111 College Composition I	3
FST	100 Principles of Emergency Services	3
FST	110 Fire Behavior and Combustion	3
FST	115 Fire Prevention	3
<sup>1</sup> MTH	151 Mathematics for the Liberal Arts I	3
<sup>2</sup> —	Social Science Elective	3
SDV	101 Orientation to Fire Science	<u>1</u>
<b>Total</b>		<b>19</b>
<b>2nd Semester</b>		
<sup>3</sup> ENG	112 College Composition II	3
FST	112 Hazardous Materials Chemistry	3
FST	120 Occupational Safety & Health for the Fire Science	3
ITE	115 Intro. to Computer Applications & Concepts	3
<sup>4</sup> PED	116 Lifetime Fitness & Wellness	1
<sup>2</sup> —	Social Science Elective	<u>3</u>
<b>Total</b>		<b>16</b>
<b>3rd Semester</b>		
FST	210 Legal Aspects of Fire Service	3
FST	240 Fire Administration	3
<sup>5</sup> —	Humanities/Fine Arts Elective	3
<sup>6</sup> —	Natural Science/Lab Elective	4
SPD	110 Intro. to Speech Communication	<u>3</u>
<b>Total</b>		<b>16</b>
<b>4th Semester</b>		
FST	205 Fire Protection Hydraulics & Water Supply	3
FST	215 Fire Protection Systems	3
FST	220 Building Construction for Fire Protection	3
FST	235 Firefighting Strategy and Tactics	3
FST	245 Fire and Risk Analysis	3
<sup>4</sup> PED/RPK		<u>1</u>
<b>Total</b>		<b>16</b>

**Total credits for the A.A.S. Degree in Fire Science Technology = 67**

<sup>1</sup> Students may substitute a higher-level math. Consult a faculty advisor to make the appropriate selection.

<sup>2</sup> The social science elective may be selected from the economics, geography, history, political science, psychology, or sociology (includes anthropology) courses listed on page 54. Fire Science students are encouraged to choose from psychology or sociology.

<sup>3</sup> ENG 115 or ENG 116 may be substituted for ENG 112.

<sup>4</sup> The PED requirement may be met by one of the following options: PED 116, 2 cr.; PED 116, 1 cr. plus a PED activities course, 1 cr.; or PED 116, 1 cr. plus RPK activities course. PED 116 is offered as both a 1-credit and a 2-credit course.

<sup>5</sup> Humanities/fine arts elective may be selected from list on page 54.

<sup>6</sup> The Natural Science elective may be selected from BIO 101 or BIO 141 or CHM 101 or CHM 111 or CHM 121 or NAS 101 or NAS 161 or PHY 101 or PHY 102 or PHY 201.

p. 2, A.A.S. Degree in Fire Science Technology