

## Northern Virginia Community College 2008-2009 Catalog

### 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:* Transfer is **not** the primary purpose of an A.A.S. program, but NOVA 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
<sup>1</sup> MTH	151 Mathematics for the Liberal Arts I	3
<sup>2</sup> PED	116 Lifetime Fitness & Wellness	1
<sup>3</sup> _____	Social Science Elective	3
SDV	101 Orientation to Fire Science	1
	<b>Total</b>	<b>17</b>
<b>2nd Semester</b>		
<sup>4</sup> ENG	112 College Composition II	3
FST	112 Hazardous Materials Chemistry	3
FST	120 Occupational Safety & Health for the Fire Science	3
FST	115 Fire Prevention	3
ITE	115 Intro. to Computer Applications & Concepts	3
<sup>3</sup> _____	Social Science Elective	3
	<b>Total</b>	<b>18</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	3
	<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>2</sup> PED/RPK	Elective	1
	<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 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>3</sup> The social science elective may be selected from the social/behavioral sciences courses listed under General Education Electives. Fire Science students are encouraged to choose from psychology or sociology.

<sup>4</sup> ENG 115 or ENG 116 may be substituted for ENG 112.

<sup>5</sup> Humanities/fine arts elective may be selected from the humanities/fine arts courses listed under General Education Electives.

<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.