

Chapter 4 - Training

FSTRS (Fire Service Training Records System)

Description of Schools

As the only agency in the Commonwealth accredited by the National Board on Fire Service Qualifications (Pro-Board), Virginia Department of Fire Programs coordinates funded, non-funded, and reimbursable fire-rescue training and certification courses across Virginia.

Funded schools are directly funded and delivered by VDFP at no cost to departments or students, with the exception of textbooks if applicable. Instructors for these classes are VDFP wage employees. VDFP personnel are responsible for the administration and management of the schools.

Non-funded schools require students and/or departments to cover all costs of registration, lodging, meals, text books, and instructor salaries. VDFP supports these schools through coordination, technical assistance, equipment loan, marketing, certification, and administrative records management.

Reimbursable schools are coordinated, delivered, and initially funded by VDFP, which is later reimbursed by the department or the locality receiving the training.

In Fiscal Year 2007, VDFP has had sufficient funding for 30% of all direct training requests statewide. This funding comes from VDFP's annual operating budget, which is completely derived from the special revenue Fire Programs Fund established in the Code of Virginia § 38.2-401. Because there is not a dedicated funding source for statewide training, schools funded by VDFP must be paid for with money remaining after all mandated disbursements/transfers are made from the Fund in accordance with the COV and the Appropriations Act.

Type of Schools

VDFP coordinated a total 2,123 schools in FY 2007 in Virginia, including 547 funded schools (26%), 1,538 non-funded schools (72%) and 38 reimbursable schools (2%). (See Figure 33 and Table 27.) The total number of schools have remained steady during the last few years with 2,126 schools conducted in FY 2006 and 1,952 conducted in FY 2005. There were 547 funded schools in FY 2007, a 17.6 percent decrease from FY 2006. (See Figure 34.)

Figure 33. Type of Fire Service Schools, FY2007

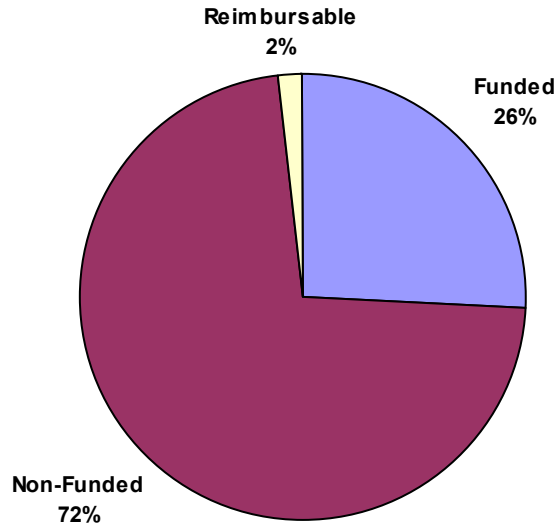


Figure 34. Type of Fire Service Schools By Fiscal Year

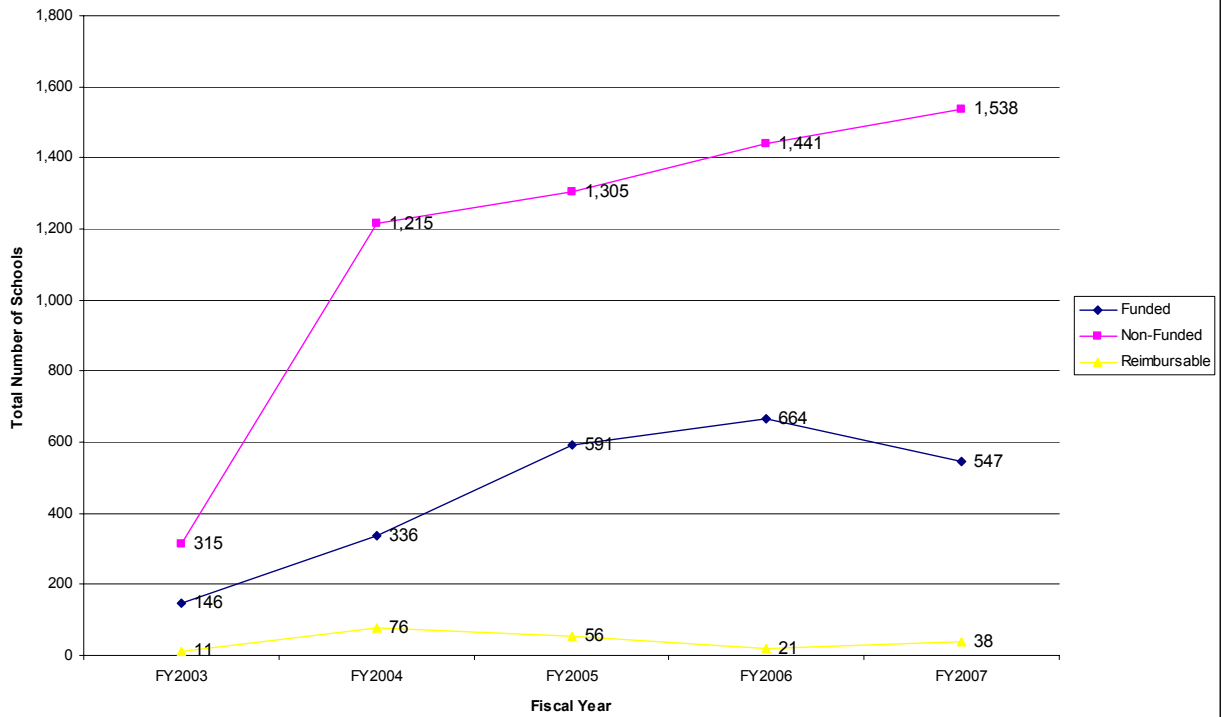


Table 27. Number of Fire Service Schools By Type, FY 2003-2007

Type of School	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Grand Total
Funded	146	336	591	664	547	2,284
Non-Funded	315	1,215	1,305	1,441	1,538	5,814
Reimbursable	11	76	56	21	38	202
Grand Total	472	1,627	1,952	2,126	2,123	8,300

Table 28. Number of Active Students By Virginia Region

Region	Career	Volunteer	Both Career and Volunteer	EMS	Brigade	Other	Undetermined or Not Reported	Grand Total
Central	2,783	8,220	358	2,101	3,677	3,229	748	21,116
Coastal	3,754	3,366	258	1,745	205	1,584	258	11,170
Mountain	237	4,722	119	818	396	507	243	7,042
Northern	2,625	4,781	516	1,440	21	930	574	10,887
Valley	1,106	4,424	276	1,267	440	609	253	8,375
Grand Total	10,505	25,513	1,527	7,371	4,739	6,859	2,076	58,590

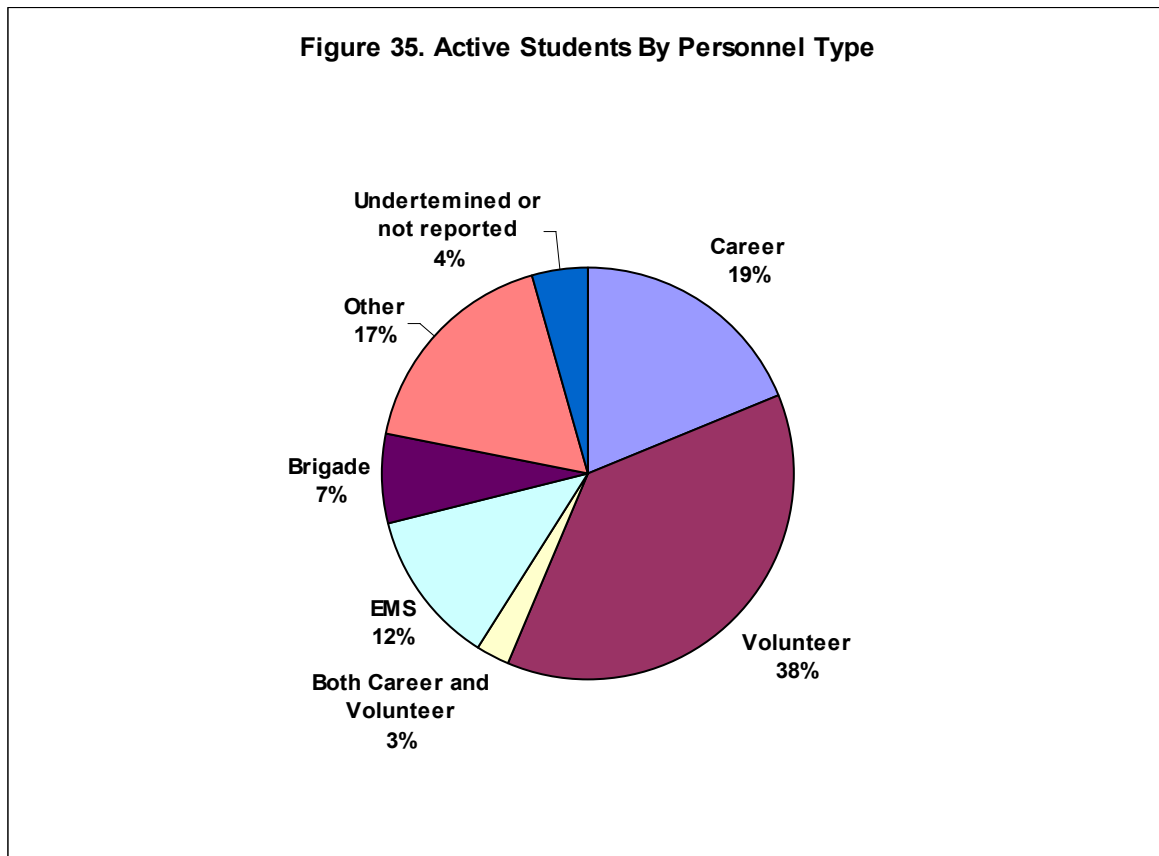
Active Students

Currently, there are 58,590 active students in the Fire Service Training Records System (FSTRS). (See Table 28.)

A detailed list of the number of active students by personnel type by locality is found in the Supplemental Table 9 at the end of this section.

Personnel Type

Student's classifications were derived from all the different types of fire service. Volunteer firefighters account for 38 percent of the students and paid career firefighters make up 19 percent. (See Figure 35.)



Student Demographics

VDFP's fire-rescue training and certification courses serve a diverse group of students across Virginia. The majority of the students from the FSTRS database are Male (82%). When compiling the statistics on race among students, eighty-three percent are White. (See Figure 36 and Figure 37.)

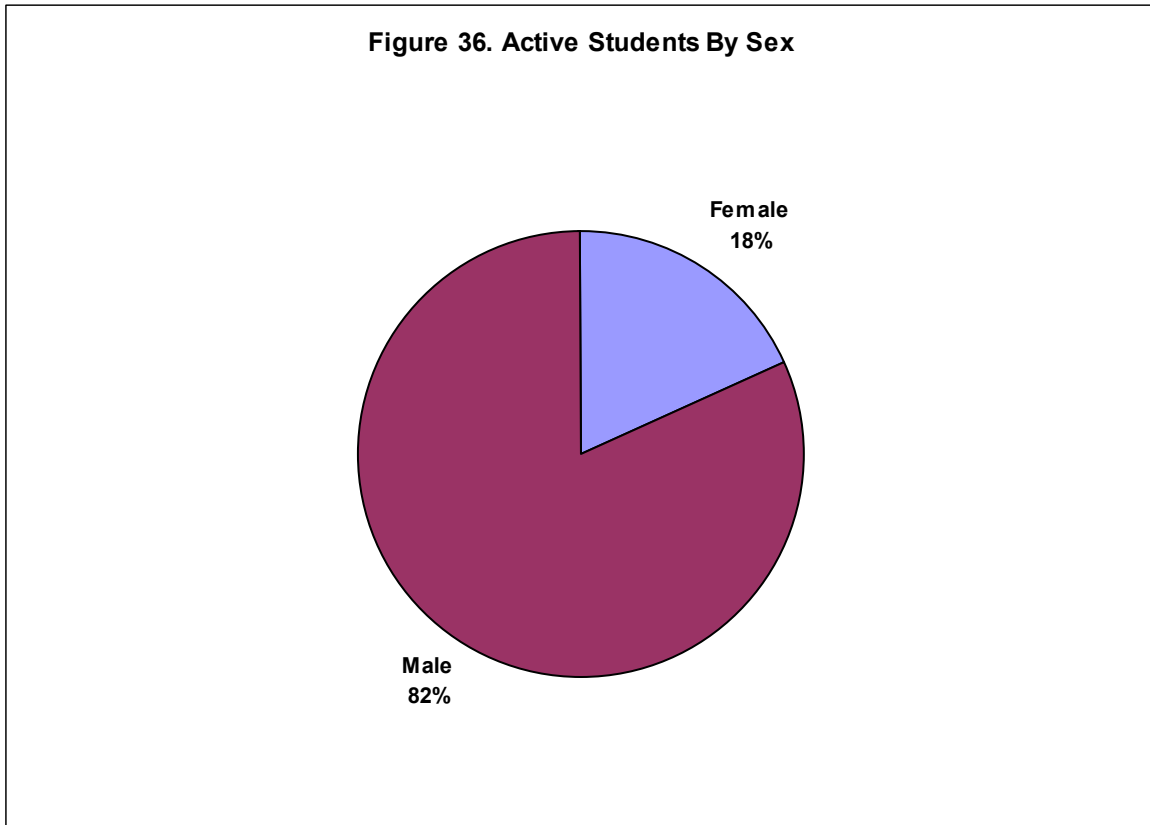
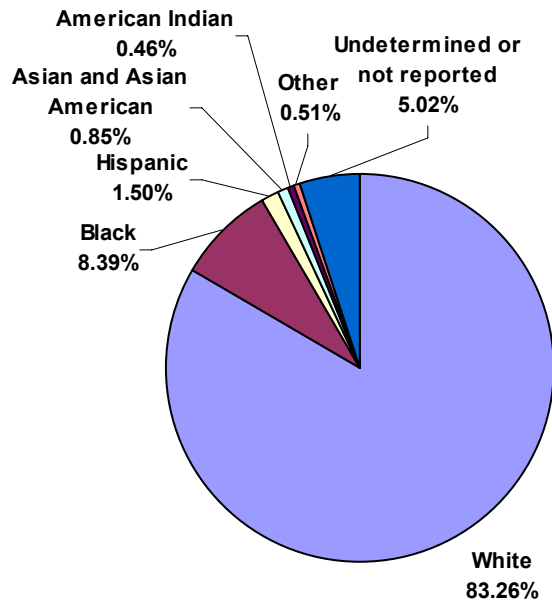


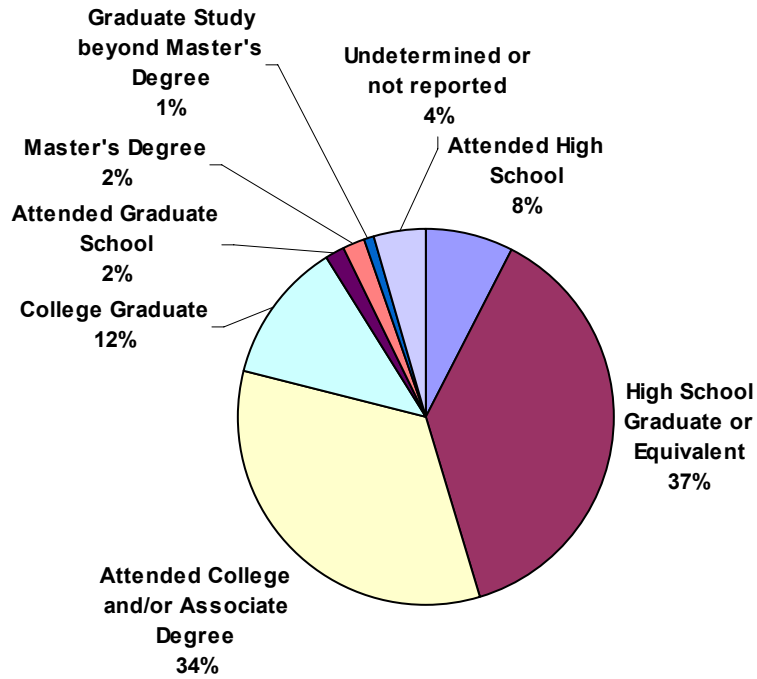
Figure 37. Active Students By Race



Education Level

Currently, the active student records in FSTRS show that 37 percent of students are high school graduates, 34 percent attended college and/or have an associate's degree, and 12 percent are college graduates. (See Chart 38.)

Figure 38. Active Students By Education Level



Please see Supplemental Table 10 for the current number of certifications by Virginia region by certification type.

Supplemental Table 9. Number of Active Students By Personnel Type By Locality

FIPS	County/City	Career	Volunteer	Both Career and Volunteer	EMS	Brigade	Other	Undetermined or Not Reported	Grand Total
001	Accomack County	29	419	33	79	1	18	9	588
003	Albemarle County	74	545	20	93	2	50	16	800
005	Alleghany County	1	304	4	7	0	7	7	330
007	Amelia County	1	87	4	7	0	1	1	101
009	Amherst County	10	111	11	40	131	35	4	342
011	Appomattox County	0	86	1	6	69	12	8	182
013	Arlington County	413	58	17	5	1	24	21	539
015	Augusta County	35	549	34	70	104	62	35	889
017	Bath County	0	51	1	10	0	0	3	65
019	Bedford County	11	456	9	179	119	115	18	907
021	Bland County	3	134	1	11	0	8	3	160
023	Botetourt County	7	306	4	66	1	15	5	404
025	Brunswick County	3	185	4	37	0	16	10	255
027	Buchanan County	7	244	0	17	0	4	7	279
029	Buckingham County	1	122	2	37	0	5	3	170
031	Campbell County	6	422	4	115	174	107	13	841
033	Caroline County	20	268	17	87	0	45	20	457
035	Carroll County	0	218	6	41	1	10	6	282
036	Charles City County	0	73	0	3	0	4	4	84
037	Charlotte County	0	148	0	11	44	7	16	226
041	Chesterfield County	492	401	29	140	1,721	775	124	3,682
043	Clarke County	3	122	2	4	0	3	7	141
045	Craig County	1	128	0	36	0	4	4	173
047	Culpeper County	6	257	15	59	0	61	16	414
049	Cumberland County	0	95	1	44	0	9	4	153
051	Dickenson County	2	137	0	26	1	5	3	174
053	Dinwiddie County	8	218	4	62	0	29	11	332
057	Essex County	0	68	2	20	0	18	0	108
059	Fairfax County	864	144	54	22	0	41	18	1,143
061	Fauquier County	45	461	24	103	0	52	54	739
063	Floyd County	1	108	0	23	0	3	4	139
065	Fluvanna County	2	122	3	11	0	4	3	145
067	Franklin County	22	386	8	67	99	17	21	620
069	Frederick County	57	416	53	41	15	37	15	634
071	Giles County	26	229	9	29	47	7	16	363
073	Gloucester County	0	228	12	104	1	12	9	366
075	Goochland County	2	278	6	48	0	18	10	362
077	Grayson County	4	224	0	62	0	8	10	308
079	Greene County	3	70	1	9	0	10	5	98
083	Halifax County	2	512	2	49	57	19	68	709
085	Hanover County	129	502	40	216	54	234	36	1,211

Supplemental Table 9. Number of Active Students By Personnel Type By Locality

FIPS	County/City	Career	Volunteer	Both Career and Volunteer	EMS	Brigade	Other	Undetermined or Not Reported	Grand Total
087	Henrico County	536	40	27	50	148	300	65	1,166
089	Henry County	18	315	20	80	264	387	49	1,133
091	Highland County	0	45	0	4	0	1	3	53
093	Isle of Wight County	4	238	12	58	87	18	19	436
095	James City County	97	73	21	33	0	5	3	232
097	King and Queen County	1	47	0	2	0	6	6	62
099	King George County	18	139	9	36	1	44	7	254
101	King William County	0	133	3	9	104	21	6	276
103	Lancaster County	7	102	1	5	0	14	9	138
105	Lee County	0	157	0	12	0	5	7	181
107	Loudoun County	341	1,029	134	416	2	26	62	2,010
109	Louisa County	16	233	6	42	2	21	17	337
111	Lunenburg County	2	170	2	23	0	42	22	261
113	Madison County	3	64	2	24	0	0	2	95
115	Mathews County	0	53	1	12	0	2	1	69
117	Mecklenburg County	3	316	5	71	19	54	21	489
119	Middlesex County	0	76	3	9	1	5	1	95
121	Montgomery County	3	209	3	115	18	20	8	376
125	Nelson County	18	207	10	46	0	17	9	307
127	New Kent County	11	164	6	26	1	27	12	247
131	Northampton County	1	120	3	20	0	5	2	151
133	Northumberland County	1	55	0	10	0	10	6	82
135	Nottoway County	2	145	3	10	0	87	11	258
137	Orange County	22	192	9	28	0	48	7	306
139	Page County	1	112	3	37	0	5	11	169
141	Patrick County	4	278	2	29	2	7	15	337
143	Pittsylvania County	5	606	8	19	39	13	40	730
145	Powhatan County	0	143	5	7	0	18	5	178
147	Prince Edward County	2	239	2	21	0	3	3	270
149	Prince George County	9	291	7	36	1	32	7	383
153	Prince William County	313	1,030	70	192	2	84	189	1,880
155	Pulaski County	23	304	11	54	62	122	29	605
157	Rappahannock County	0	150	5	24	0	6	11	196
159	Richmond County	0	47	1	1	0	23	2	74
161	Roanoke County	148	478	28	215	0	48	38	955
163	Rockbridge County	5	336	5	47	0	10	14	417
165	Rockingham County	68	437	37	108	53	73	32	808
167	Russell County	2	179	6	50	0	13	7	257
169	Scott County	0	151	3	4	0	1	1	160
171	Shenandoah County	15	318	18	47	0	19	15	432
173	Smyth County	5	339	5	102	33	63	9	556

Supplemental Table 9. Number of Active Students By Personnel Type By Locality

FIPS	County/City	Career	Volunteer	Both Career and Volunteer	EMS	Brigade	Other	Undetermined or Not Reported	Grand Total
175	Southampton County	2	243	10	45	22	3	10	335
177	Spotsylvania County	125	425	44	93	3	249	54	993
179	Stafford County	88	700	67	294	12	141	46	1,348
181	Surry County	0	46	1	2	2	1	0	52
183	Sussex County	2	103	2	13	126	1	2	249
185	Tazewell County	21	435	22	31	6	93	61	669
187	Warren County	27	245	10	7	0	13	6	308
191	Washington County	5	406	8	32	32	17	5	505
193	Westmoreland County	2	159	8	19	0	33	14	235
195	Wise County	5	245	15	26	1	12	8	312
197	Wythe County	13	204	4	39	10	23	15	308
199	York County	150	70	18	2	0	15	3	258
510	Alexandria	260	25	12	64	0	80	35	476
515	Bedford	5	64	0	3	20	37	3	132
520	Bristol	73	2	2	34	11	23	4	149
530	Buena Vista	3	73	0	7	0	5	4	92
540	Charlottesville	101	96	13	350	3	47	27	637
550	Chesapeake	548	61	17	49	1	115	11	802
560	Alleghany County	0	18	4	1	0	0	0	23
570	Colonial Heights	45	72	8	13	1	49	4	192
580	Covington	4	113	2	10	154	20	3	306
590	Danville	160	19	18	26	111	70	5	409
595	Emporia	0	66	0	1	0	10	1	78
600	Fairfax	49	68	17	4	0	5	6	149
610	Falls Church	1	55	1	4	0	9	16	86
620	Franklin	14	135	11	23	0	8	8	199
630	Fredericksburg	52	25	10	47	0	80	13	227
640	Galax	6	53	2	1	73	44	0	179
650	Hampton	351	387	42	189	0	24	25	1,018
660	Harrisonburg	79	58	13	109	19	8	9	295
670	Hopewell	50	4	5	15	187	21	4	286
678	Lexington	3	59	0	29	0	11	4	106
680	Lynchburg	259	14	8	28	125	191	33	658
683	Manassas	27	71	22	25	1	26	10	182
685	Manassas Park	21	15	7	1	0	1	3	48
690	Martinsville	26	22	14	5	14	53	7	141
700	Newport News	573	7	7	16	0	316	5	924
710	Norfolk	714	4	2	3	0	63	6	792
720	Norton	0	30	7	1	0	1	0	39
730	Petersburg	125	3	10	4	0	48	9	199
735	Poquoson	30	59	7	16	0	3	2	117

Supplemental Table 9. Number of Active Students By Personnel Type By Locality

FIPS	County/City	Career	Volunteer	Both Career and Volunteer	EMS	Brigade	Other	Undetermined or Not Reported	Grand Total
740	Portsmouth	315	3	2	7	1	0	8	336
750	Radford	12	50	5	12	0	1	4	84
760	Richmond	604	9	9	14	224	198	23	1,081
770	Roanoke	431	48	9	271	0	147	19	925
775	Salem	85	15	0	78	0	2	3	183
780	Halifax County	10	49	3	0	0	25	4	91
790	Staunton	36	13	6	4	0	5	1	65
800	Suffolk	246	228	11	15	1	30	7	538
810	Virginia Beach	616	283	32	996	4	749	79	2,759
820	Waynesboro	44	36	19	45	58	87	5	294
830	Williamsburg	40	24	4	4	0	3	2	77
840	Winchester	53	144	24	14	36	27	10	308
	Grand Total	10,505	25,513	1,527	7,371	4,739	6,859	2,076	58,590

Supplemental Table 10. Number of Certifications By Virginia Region By Certification Type

Code	Description	Level	Central Region	Coastal Region	Mountain Region	Northern Region	Valley Region	Grand Total
A	FIRE FIGHTER TRAINING	1	1,043	331	513	496	527	2,910
		2	641	278	215	356	300	1,790
		3	484	381	136	341	120	1,462
		4	0	1	0	0	0	1
		5	6	2	0	0	0	8
		7	1	12	0	0	0	13
			FIRE FIGHTER TRAINING Total		2,175	1,005	864	1,193
B	FIRE APPARATUS DRIVER/OPERATOR	1	0	33	0	1	1	35
		2	0	0	0	0	1	1
		3	35	9	1	0	2	47
		4	0	0	0	3	0	3
		6	5	1	0	6	3	15
		7	0	0	0	4	0	4
			FIRE APPARATUS DRIVER/OPERATOR Total		40	43	1	14
C	FIRE OFFICER TRAINING	1	888	1,238	116	742	504	3,488
		2	331	506	38	348	299	1,522
		3	96	49	4	197	100	446
		4	4	6	0	13	17	40
		5	0	7	0	0	0	7
	FIRE OFFICER TRAINING Total		1,319	1,806	158	1,300	920	5,503
D	FIRE PREVENTION INSPECTOR TRAINING	1	8	0	1	10	0	19
		2	258	206	26	346	94	930
		3	0	1	1	3	0	5
	FIRE PREVENTION INSPECTOR TRAINING Total		266	207	28	359	94	954
E	FIRE INVESTIGATOR TRAINING	1	1	0	0	0	0	1
		2	195	144	27	160	97	623
		3	72	7	1	29	18	127
		4	11	0	0	7	6	24
		6	2	0	0	0	0	2
		7	19	1	11	0	1	32
			FIRE INVESTIGATOR TRAINING Total		300	152	39	196
F	FIRE PREVENTION EDUCATION OFFICER TRAINING	1	118	24	3	11	39	195
		3	0	1	0	0	0	1
		5	0	0	0	1	0	1
	FIRE PREVENTION EDUCATION OFFICER TRAINING Total		118	25	3	12	39	197
G	FIRE SERVICES TRAINING INSTRUCTOR	1	1,504	1,543	301	1,121	732	5,201
		2	637	696	95	492	268	2,188
		3	560	453	135	266	219	1,633
		4	47	27	12	30	18	134
		5	17	0	0	2	1	20
		6	0	1	0	0	0	1
		7	0	1	0	0	0	1

Supplemental Table 10. Number of Certifications By Virginia Region By Certification Type

Code	Description	Level	Central Region	Coastal Region	Mountain Region	Northern Region	Valley Region	Grand Total
G	FIRE SERVICES TRAINING INSTRUCTOR Total		2,765	2,721	543	1,911	1,238	9,178
H	AIRPORT FIRE FIGHTER TRAINING	1	68	58	0	47	30	203
		2	37	78	1	79	22	217
		3	1	0	0	0	0	1
		5	0	3	0	0	2	5
		7	1	3	0	0	0	4
	AIRPORT FIRE FIGHTER TRAINING Total		107	142	1	126	54	430
I	FIRST RESPONDER; EMT/CCT	1	8	0	0	1	0	9
		2	1	0	0	1	13	15
		4	2	0	0	0	0	2
		5	0	0	0	1	0	1
		6	34	0	0	0	0	34
	FIRST RESPONDER; EMT/CCT Total		45	0	0	3	13	61
J	EEO/AA HUMAN RELATIONS INSTRUCTOR	1	12	0	0	0	1	13
	EEO/AA HUMAN RELATIONS INSTRUCTOR Total		12	0	0	0	1	13
K	FIRE ATTACK	1	19	3	0	1	1	24
	FIRE ATTACK Total		19	3	0	1	1	24
L	HAZARDOUS MATERIAL INCIDENT INSTRUCTOR	1	57	31	22	28	27	165
		2	0	0	0	1	0	1
		3	59	86	25	91	45	306
		4	44	76	14	47	23	204
	HAZARDOUS MATERIAL INCIDENT INSTRUCTOR Total		160	193	61	167	95	676
M	HAZARDOUS MATERIAL INCIDENT TRAINING	1	43	28	7	55	32	165
		2	34	19	17	34	23	127
		3	7	11	0	8	6	32
		4	1	1	1	1	0	4
		5	10,822	8,174	3,318	5,761	4,193	32,268
		6	1,795	327	82	93	221	2,518
		7	3,917	4,623	1,238	3,867	2,427	16,072
		8	1	0	0	67	1	69
	HAZARDOUS MATERIAL INCIDENT TRAINING Total		16,620	13,183	4,663	9,886	6,903	51,255
P	INDUSTRIAL FIRE BRIGADE	1	1,625	129	136	3	357	2,250
		2	489	1	25	2	83	600
		5	0	0	0	1	0	1
	INDUSTRIAL FIRE BRIGADE Total		2,114	130	161	6	440	2,851
Q	FARM MACHINERY SAFETY & EXTRICATION	1	316	116	258	49	142	881
		2	0	3	1	0	0	4
		3	0	0	0	0	1	1
	FARM MACHINERY SAFETY & EXTRICATION Total		316	119	259	49	143	886
R	HEAVY AND TACTICAL RESCUE NFPA 1006	1	2	95	7	1	0	105
		2	35	103	5	44	31	218
		3	0	0	1	2	1	4

Supplemental Table 10. Number of Certifications By Virginia Region By Certification Type

Code	Description	Level	Central Region	Coastal Region	Mountain Region	Northern Region	Valley Region	Grand Total		
R	HEAVY AND TACTICAL RESCUE NFPA 1006	4	64	62	30	46	50	252		
		5	3	43	0	2	48	96		
		6	0	1	0	0	0	1		
		7	21	28	1	2	66	118		
		125	332	44	97	196	794			
		HEAVY AND TACTICAL RESCUE NFPA 1006 Total								
		S	DRIVER/OPERATOR CERTIFICATION PROGRAM	1	2,138	1,995	1,944	1,335	1,997	9,409
2	2,310			2,042	1,836	1,742	1,795	9,725		
3	3,786			2,624	1,677	1,273	2,194	11,554		
4	256			82	45	353	288	1,024		
5	27			25	69	29	13	163		
6	338			1,504	68	595	242	2,747		
7	319			569	49	363	251	1,551		
	9,174	8,841	5,688	5,690	6,780	36,173				
DRIVER/OPERATOR CERTIFICATION PROGRAM Total										
T	PUBLIC FIRE & LIFE SAFETY EDUCATION	1	177	49	33	248	49	556		
		2	31	248	0	134	16	429		
		3	0	7	0	0	0	7		
		4	0	4	0	0	0	4		
		5	0	1	0	0	0	1		
		6	0	1	0	0	0	1		
		7	3	168	0	1	0	172		
	211	478	33	383	65	1,170				
PUBLIC FIRE & LIFE SAFETY EDUCATION Total										
U	FIREFIGHTER CERTIFICATION COURSE (NFPA 1001)	1	4,484	2,919	1,292	2,786	2,396	13,877		
		2	3,035	2,791	523	2,059	1,518	9,926		
		3	1	16	0	4	8	29		
		4	0	0	0	1	0	1		
		5	2	4	1	2	0	9		
		6	1	0	0	0	0	1		
		7	10	6	1	11	4	32		
	7,533	5,736	1,817	4,863	3,926	23,875				
FIREFIGHTER CERTIFICATION COURSE (NFPA 1001) Total										
V	EMERGENCY VEHICLE OPERATIONS COURSE	1	1,128	453	549	471	515	3,116		
		2	1,984	1,460	680	1,495	1,553	7,172		
		3	2,086	1,828	712	1,379	1,492	7,497		
		4	40	166	27	38	34	305		
		5	13	7	0	6	3	29		
	5,251	3,914	1,968	3,389	3,597	18,119				
EMERGENCY VEHICLE OPERATIONS COURSE Total										
X	MOTORSPORTS EMERGENCY RESPONSE TRAINING (NFPA 61)	1	0	0	1	0	0	1		
		2	2	0	0	0	12	14		
		3	0	4	9	5	2	20		
	2	4	10	5	14	35				
MOTORSPORTS EMERGENCY RESPONSE TRAINING (NFPA 61) Total										
Grand Total			48,672	39,034	16,341	29,650	25,595	159,292		