

Revised AS in Fire Science Technology

General Education (18 credits) + **Fire Core Requirements** (42 credits) = **AS Degree** (60 Credits)

GENERAL EDUCATION REQUIREMENTS (18 CREDITS REQUIRED)

18 Credits for General Education Requirements have not changed!

COMMUNICATIONS

- **ENC 1101 - College Composition I**

MATHEMATICS (ONE COURSE)

- **MAC 1105 - College Algebra**
- **MGF 1106 - Topics in Mathematics**
- **MGF 1107 - Explorations in Mathematics**

HUMANITIES (ONE COURSE)

- **HUM 2020 - Introduction to Humanities**
- **PHI 2600 - Ethics**

SOCIAL SCIENCES (ONE COURSE)

- **PSY 2012 - General Psychology**
- **SYG 2000 - Introduction to Sociology**

NATURAL SCIENCES (ONE COURSE)

- **BSC 1005C - Survey of Biological Science**
- **BSC 1930 - Biological Issues**
- **ESC 1000 - Survey of Earth Science**
- **OCE 2001C - Oceanography**
- **PSC 1121 - Survey of Physical Science**
- **PSC 2515 - Energy and Humanity**
- **CHM 1025C - Introductory Chemistry**
- Or any approved general education science course

HEALTH (ONE COURSE)

- **HLP 1081 - Wellness Concepts**
- **HSC 1101 - Wellness: Nutrition, Personal Growth, and Fitness**
- **Note:** Students who take a three-credit science class must take HSC 1101. Students who take a four-credit science class can choose either HLP 1081 or HSC 1101.

PROGRAM CORE REQUIREMENTS (42 CREDITS REQUIRED)

Choose One:

- **ENC 2210 - Introduction to Technical and Professional Writing**
OR
- **GEB 2214 – Business Communications (option added in 2014)**

Choose One:

- **CGS 1061 - Introduction to Computers and Information Systems**
OR
- **CGS 1100 – Computer Applications for Business (option added in 2014)**

ARTICULATED CREDITS FROM APPROVED FLORIDA BUREAU OF FIRE STANDARDS AND TRAINING CERTIFICATIONS (36 CREDITS REQUIRED)

Students must earn 36 credits for the program core. A minimum of 24 of these credits must come from fire certifications. All FFP courses must be validated by earning a certification.

(On November 18, 2013, the Florida Bureau of Fire Standards and Training changed the course requirements for the Fire Officer Certifications. As a result of these changes, students will select a program from Chart A or B depending on the date they earned their Fire Officer I certification.)

Students select a program of study from the appropriate chart:

Chart A:

- For students who earned the Fire Officer I Certification after November 18, 2013.

Chart B:

- For students who earned the Fire Officer I Certification prior to November 18, 2013.

Chart A Select ONE Fire Officer I Certification earned <u>after</u> 11-18-2013				
Options	Title of Fire Study Option	Certification Requirements <i>Fire Officer = FO credits awarded = (credit hours)</i>	Credits from Certifications (Range: 24-36)	Additional Credits Needed**
Option I	Fire Supervisor / Fire Safety	FOI (12), FOII (12), Inspector I*(6) & Investigator I (6)	36	0
Option II	Fire Supervisor / Manager	FOI (12) & FOII (12)	24	12
Option III	Fire Supervisor / Inspector	FOI (12), FOII (12), & Inspector I (6)	30	6
Option IV	Fire Supervisor / Investigator	FOI (12), FOII (12), & Investigator I (6)	30	6
Option V	Fire Safety***	Investigator I (12), Inspector I (9), & Inspector II (6)	27	9

* A reduced number of credits is awarded because the duplicate FFP courses between Investigator I/Inspector I and Fire Officer I/II can only be counted once.

** The students can earn these remaining credits of the 36 required by selecting courses from the list of electives.

***This option is for students who do not hold the Firefighter I Certification. This option is intended for risk managers, safety personnel, fire marshal personnel, insurance investigators, fire engineers, etc.

Chart B Select ONE Fire Officer I Certification earned prior to 11-18-2013				
Six Variations	Title of Fire Study Option	Certification requirements <i>Fire Officer = FO credits awarded (credit hours)</i>	Credits <i>(Range: 24-36).</i>	Additional Credits Needed**
1	NA	FOI (24), Inspector I*(6), & Investigator I*(6)	36	0
2		FOI (24) credits	24	12
3		FOI (24) & FOII*(new) (3)	27	9
4		FOI (24) & FOII (old) (12)	36	0
5		FOI (24) & Inspector I* (6)	30	6
6		FOI (24) & Investigator I* (6)	30	6

* A reduced number of credits is awarded because the duplicate FFP courses between Investigator I/Inspector I and Fire Officer I/II can only be counted once.

** Students can earn these remaining credits of the 36 required by selecting courses from the list of electives.

ELECTIVE COURSES		
Up to 12 credits of the 42 program credits can come from the following:		
POS 1112	State and Local Government	3 credits
INP 1390	Human Relations in Business and Industry	3 credits
MAN 2021	Principles of Management	3 credits
MAN 2023	Introduction to Human Resources	3 credits
STA 2023	Introduction to Probability and Statistics	3 credits
SPC 1608	Speech Communications	3 credits
FFP 1000	Introduction to Fire Science The Florida Firefighter “Minimum Standards Course” or Firefighter II certification. <i>This is a Florida State statutory requirement to be employed as a Firefighter in the State.</i> Legally named: “Certificate of Compliance” *	3 credits

(*Option added in 2016)

TOTAL PROGRAM HOURS: 60

NOTE: See the subsequent pages for individual fire courses (FFP) and how they apply to each certification.

Note: The articulated Fire Fighting and Protection (FFP) credits from certifications can only be used toward the Associate of Science in Fire Science degree; however, an AS in Fire Science degree containing Fire Fighting and Protection credits can be applied toward Polk State College's BAS in Supervision and Management degree.

Fire classes are only articulated into FFP courses at Polk State by attaining Florida Bureau of Fire Standards and Training certifications as described below. Therefore, no individual courses are accepted by transcript or other methods. This articulation of credits is at no cost to the student.

Polk State College does not provide direct instruction for any FFP courses. These fire courses can be taken from a variety of sources including Ridge Career Center in Winter Haven (7700 State Road 544, Winter Haven, FL 33881; phone: (863) 419-3060).

If a student is not currently a Florida State Certified Firefighter and would like to become one, he or she must earn State of Florida Firefighter I and II certifications (Certificate of Compliance) through a state certified fire academy such as the one at [Ridge Career Center](#).

As of November 18, 2013, it became mandated that students attain State of Florida Firefighter I and II certifications ("Certificate of Compliance") prior to pursuing the Fire Officer certifications that are part of the articulated credit requirement for this degree. However, Chart A, Option V (Fire Safety) is designed for students who do not hold the Firefighter I Certification. This option is intended for risk managers, safety personnel, fire marshal personnel, insurance investigators, fire engineers, etc.

Update advisory - FFP Prefix (winter, 2016)

Florida Bureau of Fire Standards and Training will be incorporating three course prefixes that will apply to any fire course taught after the date implemented (winter, 2016). The course title, curriculum, and four digit numbering will remain the same.

FFP: Colleges and eligible institutions as outlined in the State Course Numbering System rule, accredited institutions.

BFST: Florida Bureau of Fire Standards and Training (Fire College).

ATCP: Other providers.

The following charts define the individual courses found in each of the certifications:

Appendix A
Courses Awarded for Each Option in the Fire Science Degree

Chart A for Students Who Earned Fire Officer I after November 18, 2013

Option I Fire Supervisor / Fire Safety				
Fire Officer I (post 11-18-2013)	FFP 2740	Company Officer	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1710	Fire Service Course Delivery	3	
	FFP 1810	Tactics and Strategy I	3	
			12	
Fire Officer II (post 11-18-2013)	FFP 2741	Fire Service Course Design	3	
	FFP 2811	Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1540	Fire Protection Systems I	3	
			12	
Fire Safety Inspector I	FFP 2521	Blue Print Reading and Plans Review	3	
	FFP 1510	Codes and Standards	3	
	FFP 1505	Fire Prevention Practices	0	Duplicate
	FFP 1540	Fire Protection Systems I	0	Duplicate
	FFP 2120	Fire Service Building Construction	0	Duplicate
Fire Investigator I	FFP 2111	Fire Chemistry	3	
	FFP 2610	Fire Origin and Cause	3	
	FFP 1540	Fire Protection Systems I	0	Duplicate
	FFP 2120	Fire Service Building Construction	0	Duplicate
			6	
			Total	36
			Additional Credits needed	0

Option II Fire Supervisor / Manager				
Fire Officer I (post 11-18-2013)	FFP 2740	Company Officer	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1710	Fire Service Course Delivery	3	
	FFP 1810	Tactics and Strategy I	3	
			12	
Fire Officer II (post 11-18-2013)	FFP 2741	Fire Service Course Design	3	
	FFP 2811	Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1540	Fire Protection Systems I	3	
			12	
			Total	24
			Additional Credits needed	12

Option III Fire Supervisor / Inspector I				
Fire Officer I (post 11-18-2013)	FFP 2740	Company Officer	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1710	Fire Service Course Delivery	3	
	FFP 1810	Tactics and Strategy I	3	
			12	
Fire Officer II (post 11-18-2013)	FFP 2741	Fire Service Course Design	3	
	FFP 2811	Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1540	Fire Protection Systems I	3	
			12	
Fire Safety Inspector I	FFP 2521	Blue Print Reading and Plans Review	3	
	FFP 1510	Codes and Standards	3	
	FFP 1505	Fire Prevention Practices	0	Duplicate
	FFP 1540	Fire Protection Systems I	0	Duplicate
	FFP 2120	Fire Service Building Construction	0	Duplicate
			6	
			Total	30
			Additional Credits needed	6

Option IV Fire Supervisor / Investigator I				
Fire Officer I (post 11-18-2013)	FFP 2740	Company Officer	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1710	Fire Service Course Delivery	3	
	FFP 1810	Tactics and Strategy I	3	
			12	
Fire Officer II (post 11-18-2013)	FFP 2741	Fire Service Course Design	3	
	FFP 2811	Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1540	Fire Protection Systems I	3	
			12	
Fire Investigator I	FFP 2111	Fire Chemistry	3	
	FFP 2610	Fire Origin and Cause	3	
	FFP 1540	Fire Protection Systems I	0	Duplicate
	FFP 2120	Fire Service Building Construction	0	Duplicate
			6	
			Total	30
			Additional Credits needed	6

Option V Fire Safety (Option for Non-Firefighter I)				
Fire Investigator I	FFP 2111	Fire Chemistry	3	
	FFP 2610	Fire Origin and Cause	3	
	FFP 1540	Fire Protection Systems I	3	
	FFP 2120	Fire Service Building Construction	3	
			12	
Fire Safety Inspector I	FFP 2521	Blue Print Reading and Plans Review	3	
	FFP 1510	Codes and Standards	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1540	Fire Protection Systems I	0	Duplicate
	FFP 2120	Fire Service Building Construction	0	Duplicate
			9	
Fire Safety Inspector II	FFP 2541	Private Fire Protection Systems II	3	
	FFP 2111	Fire Chemistry	0	Duplicate
	FFP 2610	Fire Origin and Cause	0	Duplicate
	FFP 1793 Or FFP 2706	Fire and Life Safety Educator I Or Public Information Officer	3	
			6	
			Total	27
			Additional Credits needed	9

Chart B for Students Who Earned Fire Officer I before November 18, 2013

Variation 1 (No specific title assigned to these six variations that integrate the Fire Officer I earned before 11-18-2013)

Fire Officer I (before 11-18-2013)	FFP 2720	Company Officer/Leadership	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1740	Fire Service Course Delivery	3	
	FFP 1810	Fire Fighting Tactics and Strategy I	3	
	FFP 1540	Private Fire Protection Systems I	3	
	FFP 2811	Fire Fighting Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1824	I-200 Basic Incident Management	1	
	FFP 1825	I-300 Intermediate Incident Management	1	
	FFP 1832	Emergency Response to Terrorism	1	
			24	
Fire Safety Inspector I	FFP 2521	Construction Documents and Plans Review	3	
	FFP 1510	Codes and Standards	3	
	FFP 1505	Fire Prevention Practices	0	Duplicate
	FFP 1540	Private Fire Protection Systems I	0	Duplicate
	FFP 2120	Fire Service Building Construction	0	Duplicate
Fire Investigator I	FFP 2111	Fire Chemistry	3	
	FFP 2610	Fire Origin and Cause	3	
	FFP 1540	Fire Protection Systems I	0	Duplicate
	FFP 2120	Fire Service Building Construction	0	Duplicate
			12	
Total			36	
Additional Credits needed			0	

Variation 2

Fire Officer I (before 11-18-2013)	FFP 2720	Company Officer/Leadership	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1740	Fire Service Course Delivery	3	
	FFP 1810	Fire Fighting Tactics and Strategy I	3	
	FFP 1540	Private Fire Protection Systems I	3	
	FFP 2811	Fire Fighting Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1824	I-200 Basic Incident Management	1	
	FFP 1825	I-300 Intermediate Incident Management	1	
	FFP 1832	Emergency Response to Terrorism	1	
			24	
Additional Credits needed			12	

Variation 3				
Fire Officer I (before 11-18-2013)	FFP 2720	Company Officer/Leadership	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1740	Fire Service Course Delivery	3	
	FFP 1810	Fire Fighting Tactics and Strategy I	3	
	FFP 1540	Private Fire Protection Systems I	3	
	FFP 2811	Fire Fighting Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1824	I-200 Basic Incident Management	1	
	FFP 1825	I-300 Intermediate Incident Management	1	
	FFP 1832	Emergency Response to Terrorism	1	
			24	
Fire Officer II (post 11-18-2013)	FFP 2741	Fire Service Course Design	3	
	FFP 2811	Fire Fighting Tactics and Strategy II	0	duplicate
	FFP 1505	Fire Prevention Practices	0	duplicate
	FFP 1540	Private Fire Protection Systems I	0	duplicate
			3	
			Total	27
			Additional Credits needed	9

Variation 4				
Fire Officer I (before 11-18-2013)	FFP 2720	Company Officer/Leadership	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1740	Fire Service Course Delivery	3	
	FFP 1810	Fire Fighting Tactics and Strategy I	3	
	FFP 1540	Private Fire Protection Systems I	3	
	FFP 2811	Fire Fighting Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1824	I-200 Basic Incident Management	1	
	FFP 1825	I-300 Intermediate Incident Management	1	
	FFP 1832	Emergency Response to Terrorism	1	
			24	
Fire Officer II (before 11-18-2013)	FFP 2111	Fire Chemistry	3	
	FFP 2610	Origin and Cause	3	
	FFP 2780	Fire Department Administration	3	
	FFP 2741	Fire Service Course Design	3	
	FFP 2770	Legal and Ethical Issues for Fire Service	3	
	FFP 1793 Or FFP 2706	Fire & Life Safety Educator I Or Public Information Officer	3	
			1812*	
			Total	36
			Additional Credits needed	0

Variation 5				
Fire Officer I (before 11-18-2013)	FFP 2720	Company Officer/Leadership	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1740	Fire Service Course Delivery	3	
	FFP 1810	Fire Fighting Tactics and Strategy I	3	
	FFP 1540	Private Fire Protection Systems I	3	
	FFP 2811	Fire Fighting Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1824	I-200 Basic Incident Management	1	
	FFP 1825	I-300 Intermediate Incident Management	1	
	FFP 1832	Emergency Response to Terrorism	1	
			24	
Fire Safety Inspector I	FFP 2521	Construction Documents and Plans Review	3	
	FFP 1510	Codes and Standards	3	
	FFP 1505	Fire Prevention Practices	0	Duplicate
	FFP 1540	Private Fire Protection Systems I	0	Duplicate
	FFP 2120	Fire Service Building Construction	0	Duplicate
			6	
			Total	30
			Additional Credits needed	6

Variation 6				
Fire Officer I (before 11-18-2013)	FFP 2720	Company Officer/Leadership	3	
	FFP 2120	Fire Service Building Construction	3	
	FFP 1740	Fire Service Course Delivery	3	
	FFP 1810	Fire Fighting Tactics and Strategy I	3	
	FFP 1540	Private Fire Protection Systems I	3	
	FFP 2811	Fire Fighting Tactics and Strategy II	3	
	FFP 1505	Fire Prevention Practices	3	
	FFP 1824	I-200 Basic Incident Management	1	
	FFP 1825	I-300 Intermediate Incident Management	1	
	FFP 1832	Emergency Response to Terrorism	1	
			24	
Fire Investigator I	FFP 2111	Fire Chemistry	3	
	FFP 2610	Fire Origin and Cause	3	
	FFP 1540	Fire Protection Systems I	0	Duplicate
	FFP 2120	Fire Service Building Construction	0	Duplicate
			6	
			Total	30
			Additional Credits needed	6