

BASIC FIREFIGHTER CERTIFICATE (CIP 43.0203)

INSTRUCTIONAL PROGRAM REVIEW

PROGRAM STATUS

1. Describe how the program supports:

a. The college mission and core values.

- Mission Statement: *Collin County Community College District is a student and community-centered institution committed to developing skills, strengthening character, and challenging the intellect.* Through its campuses, centers and programs Collin County Community College District fulfills its statutory charge to provide:
 - Technical programs, leading to associate degrees or certificates, designed to develop marketable skills and promote economic development.
 - Workforce, economic, and community development initiatives designed to meet local and statewide needs.

The Basic Firefighter Certificate (Fire Academy) program fulfills the college mission statement by offering students the necessary education and training to successfully pass state certification exams for Basic Firefighter and Emergency Medical Technician (EMT). These certifications are required for employment in fire departments throughout the state.

Core Values: At Collin College We have a passion for:

- Learning
- Service and Involvement
- Creativity and Innovation
- Academic Excellence
- Dignity and Respect
- Integrity

The Basic Firefighter Certificate program embodies the core values through instructor and student involvement. The program adheres to a regimented format and program specific rules focusing on dignity and respect, integrity and learning. Learning is accomplished in many ways including active student participation in live-fire training scenarios requiring creativity and innovation for successful completion. Students learn through service and involvement by participating in campus fund raisers and community events. Academic excellence is the standard in the program demonstrated by the successful pass rates on state certification exams.

b. The college strategic plan.

The Basic Firefighter Certificate program supports the strategic plan through high program retention and completion rates, student participation in advertising campaigns, creation of a Facebook on the Fire Science department web site, increased area employer representation on the Fire Science Advisory Committee.

2. How does the program conform to THECB requirements?

- Attach all course syllabi with SCANS included (See Appendix A)
- Average 5 completers per year: Over the past 5 years, 284 Fire Academy students received certificates of completion from the Collin College Basic Firefighter Certificate program.
- Evidence of demand for program graduates (See Appendix B)
- % of graduates securing employment in the field:

Year	Total Awards	Working	Mean Annual Wage	4 th Qtr. Employment Rate
2009	68	57	\$35,367	84%
2010	66	54	\$33,515	82%
2011	68	55	Data Not Available	81%

- Average# of months to employment: 3-8 months
- Licensure pass rate if applicable. For any pass rate below state standard, attach plan for raising pass rate

Year	Students Attempting State Certification Exam	Successfully Completing State Certification Exam	Pass Rate
2009	68	68	100%
2010	70	70	100%
2011	71	71	100%

For each item that applies to the program under review, provide the data. If the item does not meet required thresholds/benchmarks, provide an explanation and the plan for improvement

- List any program requirements from the THECB. There are no additional THECB program requirements.
- Describe how they are met.

3. How does the program conform to federal requirements?

- Gainful Employment data

Year	Total Awards	Working	Mean Annual Wage	4 th Qtr. Employment Rate
2009	68	57	\$35,367	84%
2010	66	54	\$33,515	82%
2011	68	55	Data Not Available	81%

For each item that applies to the program under review, provide the data. If the item does not meet required thresholds/benchmarks, provide an explanation and the plan for improvement

- List any federal requirements for the program. There are no federal requirements for this program.
- Describe how they are met. Not applicable.

4. List all program literature (course descriptions, degree plans, catalog entries, etc.) and provide last date updated. All program literature must be reviewed and updated no earlier than three months prior to the program review due date.

(See Appendix C for examples of program literature.)

Title	Type	Last Updated
2012-2013 Collin College Catalog	On-line Catalog http://www.collin.edu/academics/catalog.html	6/24/12 (reviewed 12/12)
2012-2013 Collin College Catalog	Bound Paperback Catalog	6/24/12 (reviewed 12/12)
Programs at a Glance 2012- 2013	Programs at a Glance	12BP-347 (reviewed 12/12)
Fire Academy Collin College	Color Brochure	12PB-077 (reviewed 12/12)
Collin College Request for Degree Plan/Certificat e	Admission Form	8/2012 (reviewed 12/12)
Degrees, Plans and Programs	Web Site http://www.collin.edu/academics/programs/index.html	11/6/12 (reviewed 12/12)
Welcome	Web Site http://www.collin.edu/campuses/centralpark/index.html	11/2012 (reviewed 12/12)
EMT/Fire Science Assessments	Web Site http://www.collin.edu/studentresources/testing/availabletesting/emt_fire.html	9/11/12 (reviewed 12/12)
Fire Science Department Main	Web Site http://www.collin.edu/firescience/	11/30/12 (reviewed

Information		12/12)
Fire Science Exemption	Web Site http://www.collin.edu/gettingstarted/financialaid/firescienceexemption.html	9/11/12 (reviewed 12/12)
APPLICATION FOR BASIC FIREFIGHTER CERTIFICATE PROGRAM	Web Site pdf http://www.collin.edu/firescience Fire Academy Application (Spring 2013)	9/2012 (reviewed 12/12)
Health Sciences and Emergency Services	HSES Color Brochure	UNK (reviewed 12/12)
Basic Fire Academy Requirements	Web Site PDF http://www.collin.edu/firescience Certificates Fire Officer Basic Firefighter	12/3/12 (reviewed 12/12)
Fire Science Degree Programs	Web Site PDF http://www.collin.edu/firescience Degree Programs AAS - Fire Officer AAS - Basic Firefighter	12/3/12 (reviewed 12/12)

5. Transferability analysis for instructional programs.

Program	Modifications	Exceptions	University(ies) Accepting as Transfer
Interdisciplinary Studies (Texas Two	Maximum 24 technical course (FIRS) credits are		University of Texas at

Step Project)	transferable		Arlington
BAAS – Basic Firefighter Certification Specialization			Texas A&M Commerce
BAAS – Emergency Management	Occupational Specialization 21 credit hours		University of North Texas
BS Engineering Technology – Fire Protection Safety and Technology			Oklahoma State University
BAAS – Emergency Management Administration	Maximum 36 hours of technical/vocational credits		West Texas A&M University
BAST – Fire Protection	Maximum 21 technical course (FIRT,FIRS) credits are transferable		Thomas Edison State College Trenton, NJ
BAAS	Prospective students must have 24 hours of vocational/technical credits. 69 hour transfer limit from a 2 year college		Midwestern State University Wichita Falls, TX
BS – Fire Science	Maximum 32 credits of open electives		Kaplan University
BS – Fire and Emergency Management	Maximum 47 credits of open electives		Kaplan University
BS – Fire and Emergency Services Administration	Minimum of 40 credits must be transferred into the program.		Colorado State University

6. List all university/business and industry partnerships and describe them.

University/Business & Industry	Partnership Type	Special Requirements
McKinney Fire Department	Equipment usage	Program utilizes McKinney FD aerial apparatus to meet state requirement.

Lewisville Fire Department	Prop usage	Program utilizes “Flashover Chamber” to demonstrate actual flashover phenomena to students.
Garland Fire Department	Prop usage	Alternate “Flashover Chamber” in the event Lewisville FD not available.
Dallas Fire-Rescue	Facility Tours	Tour of Dallas Fire-Rescue Communications Center and Fire Museum

7. Complete and attach Facilities and Resources template (see below).

FACILITIES AND RESOURCES

Facilities

Room/Office Location and Designation	Size	Type	Special Characteristics (i.e. permanent like ventilator hood)	Meets current needs: Y or N	Will meet needs for next five years: Y or N	Describe additional needs for any “N” answer in columns 5 or 6.
FS 200 Field Training Bldg	28x24	Classroom		Y	N	Need additional classroom to accommodate two classes at once.
FS 100 Academy	36x34	Classroom	Fire Systems Lab	Y	Y	
A 208 CPC	24x38	Classroom		Y	Y	
LA 239	24x36	Classroom		Y	Y	
A 202 a	14x20	Comp Lab	Health Sciences Computer Lab	Y	Y	
A 202 b	10x16	Comp Lab	Health Sciences Conference Table	Y	Y	
FS 202 Burn Bldg	13,000 sq ft	Live Fire Lab	5 story building	Y	N	Need second burn building to accommodate simultaneous live-fire training exercises.
FS 300 LPG Props	9,000 sq ft	Live Fire Lab	Live Fire LP-Gas props	Y	N	LP-Gas props are 13 years old. Needs updating.
FS 500 Driving a	½ mile	Lab	Roadway for driving skills	Y	N	Need roadway driving area free of regular campus traffic flow.
FS 500 Driving b	110x160	Lab	Paved area for driving skills	y	N	Utilizing parking area now thus displacing student parking when in use.
FS 400 Pad	30,000 sq ft	Lab	Paved area for Ladders, SCBA,	Y	Y	

			Hose, Saws, Physical Ability Test			
Fire Hydrants	6 ea	Lab	Water supply for live fire training	Y	N	Some hydrants not available for use during drills due to hose placement in regular campus traffic flow.
FS 101 Academy Tower	2,000 sq ft	Lab	3 story non live fire tower	Y	Y	
Academy Pad	6,000 sq ft	Lab	Paved area for Ladders, SCBA, Hose, Rescue	Y	Y	
Fire Hydrants	2 ea		Water supply for pump practices	Y	Y	
FS 203 Apparatus Bay – Field Training Bldg	61x27	Storage/ Work Area	Apparatus Parking, Ice Machine, Washer/Extracto r, Workbench, Tool Kits	Y	N	Larger apparatus bay required to accommodate adequate storage of instructor firefighting gear and equipment storage.
Storage Room A	12x8	Storage	Storage for firefighting equipment.	Y	N	Storage areas are not large enough to accommodate storage needs.
Storage Room B	12x10	Storage	Storage for firefighting equipment.	Y	N	Storage areas are not large enough to accommodate storage needs.
Storage Room O	12x8	Storage	Storage, 2 Student Computers	Y	N	Two computers for student use is insufficient.
Janitor	12x6	Storage	Mop Sink	Y	Y	
Storage Pod 1	10x24	Storage	Leased Mobile Storage Unit	Y	N	Temporary portable storage units are not a solution for permanent storage requirements.
Storage Pod 2	10x24	Storage	Leased Mobile Storage Unit	Y	N	Temporary portable storage units are not a solution for permanent storage requirements.
Garage (Complex)	23x15	Storage	Designed for Fire Training , now serves as storage area for rescue mannequins	Y	N	This area needs to be reclaimed for fire training as originally designed.
Warehouse (Complex)	28x8	Storage	Portion use for rack storage of consumable materials.	Y	N	This area needs to be reclaimed for fire training as originally designed.
FS 102 Apparatus Bay – Academy	57x37	Storage/ Work Area	Apparatus Parking, Sink, Coffee Bar, SCBA storage	Y	Y	
SCBA Room	20x10	Storage/	SCBA	Y	N	Room is not large enough to secure

(Academy)		Work	Compressor, Workbench, and Storage			all SCBA units.
Storage/File Room (Academy)	11x7	Storage/Files		Y	Y	
Janitor (Academy)	6x9	Storage	Mop sink	Y	Y	
A 217	12x14	Storage		Y	Y	
A 228	7x7	Office	Office space for Full-time Faculty Vance McCauley	Y	N	Space is smaller than standard faculty office space.
Office – Field Training Bldg	24x12	Office	Office space for 3 work stations, conference table	Y	N	Space is too small to serve as area for pre-drill instructor meetings and full-time offices.
Vestibule – Field Training Bldg	34x11	Vestibule	Sink, Coffee Bar, Vending Machines	Y	Y	
Office - Academy	17x14	Office	Office space for 2 work stations, file cabinet	Y	Y	
Vestibule - Academy	15x40	Vestibule	Seating Area, Vending Machine	Y	Y	
A-206	22x42	Office	Office space for 6 work stations, file cabinets	Y	Y	

EQUIPMENT, SUPPLIES, MAINTENANCE/REPAIRS

List all equipment valued at \$5,000 or more each

Current Equipment Item or Budget Amount	Number Of units	Cost Each	Cost Total	Meet current needs: Y or N	Meet next five years: Y or N	For any no in columns 2 or 3, justify needed equipment or budget change
Engine 1 E1 Typhoon	1	186,471	186,471	Y	Y	
Engine 2 E1 Freightliner	1	136,194	136,194	Y	Y	

Air Compressor Scott	1	52,000	52,000	Y	N	Replacement needed in 3-4 years. Will have met expected life span.
Air Fill Station (Academy)	1	7,775	7,775	Y	N	Replacement needed in 3-4 years. Will have met expected life span.
Fire Bracket Anchors	1	7,220	7,220	Y	Y	
Air Fill Station (Trailer)	1	6,700	6,700	Y	N	Replacement needed in 3-4 years. Will have met expected life span.
Rescue Tool #1 TNT	2	22,750	45,500	Y	N	Replacement needed in 3-4 years. Will have met expected life span.
Rescue Air Bag TNT	2	8,925	17,850	Y	N	Replacement needed in 3-4 years. Will have met expected life span.
Rescue Tool #3 Holmatro	1	15,500	15,500	Y	N	Replacement needed in 3-4 years. Will have met expected life span.
Rescue Jax	1	15,000	15,000	Y	Y	
Utility Van	1	15,000	15,000	Y	N	Replacement needed in 3-4 years. Will have met expected life span.
TIC - Commander	2	8,000	16,000	Y	N	Replacement needed in 1-2 years. Parts no longer available.
TIC – T3 Max	3	7,500	22,500	Y	Y	
Rescue Bags - TNT	2	7,500	15,000	Y	Y	
Forcible Entry Door Prop	1	7,500	7,500	Y	Y	
SCBA Test System (Posck)	1	6,350	6,350	N	N	Software no longer compatible with SCBA units
Fire Pump Building	1	22,000	22,000	N	N	Donated item – more than 20 years old.
SCBA Units	65	2,549	165,685	Y	N	Replacement plan will require some new units each year.
Smoke Machines	6	1,000	6,000	Y	N	Smoke machines last 2-3 years maximum.
Ladders	22	1,500	33,000	Y	N	Some ladders will require replacement.
PPE - Sets	95	1,000	95,000	Y	N	A percentage of PPE is replaced each year.
Mannequins	9	1,000	9,000	Y	N	Some mannequins will require replacement.
PIV	7	1,249	8,743	Y	Y	
Air Cylinders - SCBA	100	500	50,000	Y	N	A percentage of air cylinders are replaced each year as there is a maximum allowable use period per law.
Deck Gun/Major Appl	12	500	6,000	Y	Y	
Nozzles	40	500	20,000	Y	Y	
Handheld Radios	30	500	15,000	Y	N	Effective Jan. 2013 older units cannot be programmed to new frequency mandates.
Hose 3 Inch – 50 Sections	20	250	5,000	Y	N	A percentage of hose is replaced each year.
Hose 1¾ Inch – 50	55	150	8,250	Y	N	A percentage of hose is replaced

Sections						each year.
Projector	4	3,936	5,000	Y	N	Media Services responsible for replacement units.
Computers	12	1,355	16,260	Y	N	Computer Services responsible for replacement units.
Hydr. Comb Rescue Tool	1	3,847	3,847	Y	Y	
Hydr. Rescue Tool	1	3,562	3,562	Y	Y	
Hose Tester	1	3,500	3,500	Y	N	Replacement needed in 1-2 years. Parts no longer available.
TIC – Transmitter/Equip	1	1,500	1,500	Y	Y	
TIC – Receiver/Equip	1	1,500	1,500	Y	Y	
Folding Water Tanks	2	1,500	3,000	Y	Y	
Utility Trailer	1	1,500	1,500	Y	Y	
AIR Trailer	1	1,500	1,500	Y	Y	
Generator/Welder	1	750	750	Y	Y	
Pressure Washer	1	750	750	Y	N	Will likely require replacement within 2 years.
Ventilation Fans	8	500	4,000	Y	N	Some replacements needed with 1-2 years.
Hose 5 Inch – 100 Sections	12	400	4,800	Y	N	A percentage of hose is replaced each year.
Hose 2½ Inch – 50 Sections	12	200	2,400	Y	N	A percentage of hose is replaced each year.
Hand Tools – Fire	40	120	4,800	Y	N	A percentage of tools are replaced each year.
Total Cost			1,032,057			

FINANCIAL RESOURCES

Source of Funds (i.e. college budget, grant, etc.)	Meets current needs: Y or N	Will meet needs for next five years: Y or N	For any no in columns 2 or 3, explain why	For any no in columns 2 or 3, identify expected source of additional funds
College budget	Y	N	Some of the equipment used in the program will require replacements due to normal wear and tear.	Additional funding provided through the annual budget process with supporting justifications.

8. Summarize recommendations from and for program advisory committees, list meetings and attach minutes. (See Appendix D for complete meeting minutes.)

Advisory Committee Meeting Date	Attach Minutes
June 29, 2012	<p>Program Director Pat McAuliff introduced the “Outreach Program” will offering both hands-on and lecture style CE courses at the fire station of the host department.</p> <p>Update on information regarding Collin College Fire Academy program hosting an Area Physical Ability Test for fire department applicants.</p>
November 17, 2011	<p>College Administration is in discussions with the City McKinney and the City of Frisco for joint partnership of the new training facility. McKinney has bond money that maybe allocated for a partnership with the City of McKinney.</p> <p>Along with the opening of a new training facility, the committee discussed offering an area wide physical ability test. This would allow an applicant to take one test and make the results available to many of the area departments. Fourteen to fifteen cities in the Northeast Fire Department Association currently participate in a similar program for Tarrant County.</p> <p>Committee discussed the Mobile Fire Training concept as a way to bring hands-on training to the fire department for on duty training.</p>
April 21, 2011	<p>Discussion of a Command Certification program will consist of four courses leading a certification for incident command at local emergencies. The certificate is for paid and volunteer firefighters, fire officers, and dispatchers.</p> <p>Initial discussion of Mobile Fire Training concept. Various manufacturers of these props identified.</p> <p>Emergency Service Training Facility on hold for now. Some consideration to adding props and not completely move to Melissa. The following were considered: Driving Simulation, Pump Pit Service and Testing, Mobile Driving Training vehicle.</p>

<p>June 29, 2010</p>	<p>Shift based course schedule introduced for select Fire Science classes. Offering two sections of the same course adhering to the traditional fire department shift schedule limits the amount of time students must miss work to attend class.</p> <p>Advisory Committee members commented on their responses to a survey regarding a new training facility conducted by Brinkley-Sargent Architects.</p>
<p>December 9, 2009</p>	<p>Discussion of HB 2013 Tuition Waiver for Volunteer Firefighters, requires individuals to be an active member of a volunteer fire department, and they must be certified at the Accredited Advanced level by the State Fireman's and Fire Marshal's Association (SFFMA).</p> <p>Report on a survey of the Fire & EMS Department at Collin College. The survey outlined program results including stats on how we used the following areas in the college; Market/Advertising/financial Aid/Registration/Quality of Instruction.</p> <p>Discussion of WIMBA - an Interactive training class that can be archived online but provides online interaction with the student. It is self paced and can provide online training for upper level training.</p> <p>Pat McAuliff stated that the college will do a RFP to hire a Consultant to do a need analysis for the facility. The consultant will outline training needs for up to 10 years from now.</p>

INSTITUTIONAL RESEARCH DATA

Unduplicated, actual, annual enrollment data

- Number enrolled per year for past five years

6 YEAR ENROLLMENT HISTORY FOR TECHNICAL COURSES FOR FIRE ACADEMY

Track	Course	Course Description	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	4 -Yr Total
	FIRT1301	Fundamental of Fire Protection	26	21	14	33	30	23	100
	FIRT1315	Hazardous Materials I	20	13	14	30	16	23	83
	FIRT1327	Building Construction in the Fire Service			11	21	19	15	66
	FIRT1338	Fire Protection Systems	32	20	12	19	10	27	68
	FIRS1301	Firefighter Certification I	96	48	71	69	72	68	280
	FIRS1407	Firefighter Certification II	96	48	71	69	72	68	280
	FIRS1313	Firefighter Certification III	96	48	71	69	72	68	280
	FIRS1319	Firefighter Certification IV	96	48	71	69	72	68	280
	FIRS1323	Firefighter Certification V	94	45	70	69	72	67	278
	FIRS1329	Firefighter Certification VI	96	48	71	69	72	68	280
	EMSP1160	Clinical EMT - Basic	115	97	134	138	127	75	474
	EMSP1501	Emergency Medical Technician	126	104	143	157	151	95	546
	FIRS1433	Firefighter Certification VII (Capstone)	94	45	70	69	72	67	278

- Number graduated/completed per year for past five years

Year	Number of Completers
2007	65
2008	66
2009	68
2010	66
2011	68

- Number employed per year for past five years

Year	Number Employed	Employment Rate
2007	N/A	N/A
2008	N/A	N/A
2009	57	84
2010	54	82
2011	55	81

- Student/faculty ratio per year for past five years

Note: Information from Institutional Research Office not available at this time.

Year	Student/faculty Ratio

2007	N/A
2008	N/A
2009	N/A
2010	N/A
2011	N/A

- Full-time/part-time faculty ratio per year for past five years

Year	Full-time/Part-time Faculty Ratio
2007	0:5
2008	0:5
2009	0:5
2010	1:4
2011	1:4

- Student satisfaction results per year for past five years

The survey showed that employers were largely satisfied with the performance of Collin College graduates in the workplace. Employers from a broad range of industries and lines of trade showed consistent levels of satisfaction for performance. Discussion with some survey recipients (over the telephone or email) indicated a need to refine the survey methodology to better ensure meaningful responses, and suggested the possible need to refine the survey instrument to better reflect dimensions of employee performance.

- Number of students completing each momentum point. *Not applicable. Not yet established*
- Effectiveness Indicators
 - % Student Satisfaction (Note: Information from IRO not available at this time.)
 - % Employer Satisfaction (Note: Information from IRO not available at this time.)
 - Ratio of course enrollment to course completion for program 1:1
 - Cost/Enrollment \$660,013 / 562 = \$1,174
 - Cost/Completer \$660,013 / 68 = \$9,706

PROGRAM DEVELOPMENT SINCE LAST PROGRAM REVIEW

1. Summarize assessment activities and actions taken in response since last program review.
 - State certification exam results were examined after each Basic Firefighter certification exam. Specific attention given to number of students passing the exam sections covering Haz-Mat Awareness, and Haz-Mat Operations.

- Review of exam question statistics related to specific student learning outcome (process of combustion) in the Basic Firefighter curriculum.
2. Describe any continuous improvement activity if different from assessment.
- Integration of end of course interactive review session for students through electronic response devices (infrared key pads).
 - Posted a brief video for students to watch on their Blackboard CE6 course page depicting the process of combustion through an actual fire demonstration. In addition, students were provided a review of the classroom lecture describing the chemical and physical properties of fuels, and key terms associated with fire science.
3. List program employees (full- time and part-time), their role, credentials, and professional development activity since last program review.

Employee Name	Role in Program	Credentials	Professional Development since last Program Review
Pat McAuliff	Director – FT CE Instructor	BS Technical Education Fire Service Instructor III- Master	Texas A&M Annual Municipal Fire School – 2007-2012.
Leslie Thetford	Administrative Assistant – FT Fire Operations Specialist	AAS	
Vance McCauley	Faculty – FT Skills CE	AA Engineering BS Electronics Engineering Firefighter- Master Fire Investigator Master Fire Inspector Basic Fire Officer II Field Examiner Expires 1/2014	Fire Instructor III-Master Certification
Donnie Cordell	Fire Instructor – FT CE Instructor	AA Fire Science Fire Instructor II Field Examiner Expires 4/2013	Excell Access
Ron Grotti	CE Instructor – FT		

Scott Kerr	Associate Faculty - PT Skills Instructor CE Instructor	AA Fire Science Fire Fighter-Master Fire Inspector Basic Fire Instructor II Fire Officer II Haz Mat Tech Field Examiner Expires 2/2014	
Matt Uppole	Associate Faculty - PT Skills Instructor CE Instructor	AA Fire Science BS Emergency Administration Planning Firefighter Master Driver Operator Pumper Fire Inspector-Master Fire Instructor II Fire Officer II	Texas A&M Annual Municipal Fire School - 2007-2012.
John Ashman	Skills Instructor CE Instructor	Firefighter-Advanced Instructor II Driver Operator Pumper Field Examiner Expires 5/2013	
Shannon Stevens	Skills Instructor CE Instructor	AA Fire Science Firefighter-Master Fire Investigator-Basic Driver Operator Pumper Instructor II Fire Officer II Field Examiner Expires 4/2013	
Don Bailey	Skills Instructor CE Instructor	AA Fire Science Firefighter-Master Driver Operator Pumper Instructor II Fire Officer II Haz Mat Tech Field Examiner Expires	Trench Rescue Tech Confined Space Swift Water

		7/2014 Paramedic	
Michael Boatman	Skills Instructor CE Instructor	Firefighter- Intermediate Fire Instructor II Haz Mat Tech Field Examiner Expires 5/2013 Flashover Instructor	
Al Briseno	CE Instructor	AA Liberal Arts AA Applied Science AA Fire Administration Firefighter-Master Fire Instructor III- Master Haz Mat Tech Field Examiner Expires 11/2013	
Terry Bush	CE Instructor	BS Computer Science Masters Computer Science Firefighter-Intermediate Instructor I Field Examiner Expires 1/2014	SFFMA Driver Operator Rope Rescue Tech Rescue VI
Al Cardenas	Skills Instructor CE Instructor	AA Fire Science Administration Firefighter -Master	Paramedic
Trent Caldwell	Fire Science Role Player	Firefighter-Basic Fire Instructor I Field Examiner Expires 2/2014	
Tom Chase	Skills Instructor CE Instructor	BA Psychology Firefighter-Master Fire Instructor II Field Examiner Expires 12/2012	
Mike Cody	Skills Instructor	AA Fire Science	

	CE Instructor	Firefighter-Master Driver Operator Pumper Fire Instructor II Fire Officer II Field Examiner Expires 2/2014	
Jason Collier	Skills Instructor CE Instructor	AA Fire Science Firefighter-Master Arson Investigator- Master Fire Investigator- Intermediate Fire Inspector-Master Fire Instructor III-Master Fire Officer II Field Examiner Expires 2/2013	
Mark Daniels	Skills Instructor CE Instructor	Firefighter-Master Driver Operator Pumper Fire Instructor II Fire officer II Field Examiner Expires 3/2014	<u>NFA:</u> ICS 100,200,300,400,700,900 S130/190 Incident Safety Officer Command and Control at Multi Alarm Incidents
Steve Dossett	Skills Instructor CE Instructor	AA Fire Science BS Public Administration Masters Public Affairs Firefighter-Master Arson Investigator- Master Fire Investigator-Master Fire Instructor II Fire Officer II	Master Police Officer
Casey Durham	Fire Science Role Player	Firefighter-Basic	
Randy Frisinger	CE Instructor	AA Fire Science BS ESDP Firefighter-Master	Peace Officer

		Arson Investigator-Master Fire Inspector-Master Fire Instructor III-Master Fire Office II ARFF-Master Field Examiner Expires 3/2013	
John Gillette	CE Instructor	BS Fire Protection and Safety Firefighter-Master Arson Investigator-Master Fire Investigator II-Intermediate Fire Instructor II Fire Officer II	
David Gott	Skills Instructor CE Instructor	Firefighter-Intermediate Fire Instructor II Haz-Mat Tech Field Examiner Expires 12/2013	
Keri Grant	Skills Instructor CE Instructor	AA Fire Protection Firefighter-Master Driver Operator Pumper Fire Instructor II Fire Officer II Field Examiner Expires 5/2013	
Stuart Grant	Skills Instructor CE Instructor	Firefighter-Master Fire Instructor II Fire Officer I Haz-Mat Tech Field Examiner Expires 4/2013	
Greg Grimes	Skills Instructor CE Instructor	AA Fire Science Firefighter-Master	IS 100,200,700,800 National Incident Management Systems Incident Command

		Fire Instructor II Fire Officer II Haz-Mat Tech Field Examiner Expires 8/2014	Swift Water Tech <u>NFA:</u> Command and Control of FD Operations at Multi Alarm Incidents <u>TEEX:</u> Structural Collapse Tech II Rope Rescue Tech 1006 Trench Rescue Tech 1006 Confined Space Rescue Tech <u>TEEX Task Force Certs.:</u> Homeland Response Force Briefing 2012 Mobility Exercise 2012 Regional Training 2011 Vehicle and Machinery Extrication Tech 2010 USAR Enhanced Operations in the Contaminated Environment 2012 Basic Radiation Safety Awareness for Emergency Responders 2012
John Hampton	Skills Instructor CE Instructor	Firefighter-Intermediate Driver Operator Pumper Fire Instructor II Haz-Mat Tech	
Steve Harris	CE Instructor	Firefighter-Master Fire Instructor I Haz-mat Tech Field Examiner Expires 10/2014	
Aaron Hernandez	Fire Science Role Player	Firefighter-Basic	
Randy Howell	Skills Instructor CE Instructor	AA Fire Science Firefighter-Master Fire Instructor III-Master Fire Officer II	

		Dept. Head Suppression	
Chad Husbands	Skills Instructor CE Instructor	Firefighter – Intermediate Driver Operator Pumper Fire Instructor II Fire Officer I Field Examiner Expired 5/2013	
David Jones	Skills Instructor CE Instructor	BS Geo-Environmental Resource Mgmt. Masters Fire Safety Management Firefighter-Master Driver Operator Pumper Arson Investigator-Master Fire Investigator-Master Fire Inspector-Basic Fire Instructor II Fire Officer II ARFF –Master Field Examiner Expires 6/2014	<u>NFA:</u> ICS High Rise Operations Fire Service Supervision ICS for EMS Command and Control of Fire Department Operations and Target Hazards Advanced Safety Operations and Management Emergency Medic Service Operations at Multi-Casualty Incidents Incident Safety Officer Command and Control Decision Making at Multi Alarms TFCA Tx. Fire Chief’s Academy Graduation (2009) TEEX Leadership Development Symposium (2010) TEEX NFPA 921 Beyond the Bookshelf(2011) Instructor FOOLS Training (2012)
Jeremy Jones	Skills Instructor CE Instructor	Firefighter –Advanced Fire Instructor II Field Examiner Expires 7/2014	
Tony Jones	Skills Instructor CE Instructor	Firefighter-Advanced Driver Operator Pumper Fire Instructor II Fire Officer II	

		Haz-Mat Tech Field Examiner Expires 6/2014	
Kevin Kennedy	Skills Instructor CE Instructor	Firefighter-Master Fire Instructor II Fire Officer II ARFF-Master Haz-mat Tech Field Examiner 1/2014	
David Kerr	CE Instructor	BS Public Administration Arson Investigator-Basic Fire Inspector –Master Fire Instructor II	
Thomas Kosten	Skills Instructor CE Instructor	Firefighter-Intermediate Driver Operator Pumper Fire Instructor II Fire Officer I Field Examiner Expires 9/2014	
Mark Lacey	Skills Instructor CE Instructor	AA Business Management Firefighter-Advanced Arson Investigator-Basic Fire Investigator-Basic Fire Inspector-Basic Fire Instructor II Haz-Mat Tech Field Examiner Expires 12/2013	NFA Incident Management NFA Haz-Mat Police Officer
David Leonard	CE Instructor	Firefighter Basic	
Mike Luhm	Fire Science Role Player	Firefighter Intermediate	
George Malone	Skills Instructor CE Instructor	BS Philadelphia College of Bible (1990) Th. M Dallas Theological	Paramedic NFA: IMS Command &Control of Multi-

		Seminary (1998) Firefighter-Advanced Arson Investigator-Advanced Fire Instructor II Haz-Mat Tech Field Examiner Expires 12/2012	Alarms IMS Command & Control of Target Hazards IMS Command & Control of Natural and Man-made Disasters Fire and Arson Investigation Interview & Interrogation and Courtroom Testimony Management for Arson Prevention & Control EMS & Terrorism National Assoc of Arson Investigators (2009) IAAI Conference (2009) Electrical Safety (2010) Safety Officer (2012) Explosion Dynamics (2012) Post Flashover Fires (2012)
John McDaniel	Skills Instructor CE Instructor	AA Fire Science Firefighter- Master Fire Instructor II Fire Officer I SRFF-Master Haz-Mat Tech Field Examiner Expired 4/2013	
Don McKinney	Skills Instructor CE Instructor	Firefighter-Advanced Fire Inspector-Basic Fire Instructor II ARFF-Basic Haz-Mat Tech Field Examiner Expires 4/2013	NFA Developing Fire and Safety Strategies
Carl McMurphy	Skills Instructor CE Instructor	BS Fire Protection and Safety Engineering Technology Firefighter-Master Arson Investigator-	

		Master Driver Operator Pumper Fire Instructor II Haz-Mat Tech Field Examiner Expires 2/2014	
Tim Mock	Skills Instructor CE Instructor	BS Fire Science Firefighter-Master Fire Investigator-Master Driver Operator Pumper Fire Instructor II Haz-Mat Tech	Paramedic <u>NFA:</u> Emergency Response to Terrorism MCTO-D Safety Officer <u>Union Pacific:</u> Introducing Intermodal Tank Containers Understanding Railroad Tank Cars
Ray Morales	Skills Instructor CE Instructor	Firefighter-Master Fire Instructor II Fire Officer II Haz-mat Tech Field Examiner Expires 7/2013	
Roger Nolen	Skills Instructor CE Instructor	AA Fire Science Firefighter-Master Driver Operator Pumper Fire Instructor II Fire Officer II Haz-Mat Tech Field Examiner Expires 7/2013	<u>Pro Board:</u> Fire Officer I & II Rope I & II Trench I & II <u>NFA:</u> Haz -Mat WMD NIMS
Ted Padgett	CE Instructor	Firefighter - Master Arson Investigator-Basic Fire Investigator-Basic Fire Instructor III-Master	

		Haz-Mat Tech Field Examiner Expires 2/2013	
Manny Perez	Fire Science Role Player	Firefighter-Basic Driver Operator Pumper Haz-Mat Tech	
Nick Potter	Skills Instructor CE Instructor	Firefighter-Advanced Driver Operator Pumper Fire Instructor II Haz- Mat Tech Field Examiner Expires 2/2013	
Michael Rivera	Fire Science Role Player	Firefighter-Intermediate Fire Instructor II Field Examiner Expires 3/2013	
Mark Richardson	Skills Instructor CE Instructor	Firefighter-Advanced Driver Operator Pumper Fire Instructor II Fire Officer I Field Examiner Expires 11/2013	
Oscar Rodriguez	Skills Instructor CE Instructor	Firefighter-Master Driver Operator Pumper Fire Instructor II Fire Officer II Field Examiner Expires 10/2014	
Charlie Skaggs	Skills Instructor CE Instructor	AA Fire Science BS Home Land Security Firefighter-Master Fire Investigator-Basic Driver Operator Pumper Fire Instructor II Fire Officer II Field Examiner Expires	3 Classes from Masters in Safety and Security in Emergency Management

		4/2013	
Paul Stodgel	Skills Instructor CE Instructor	AA Fire Administration BS Fire Administration Firefighter-Master Driver Operator Pumper Fire Instructor II Haz-Mat Tech Field Examiner Expires 10/2014	
Steven Thimons	Fire Science Role Player	Firefighter-Intermediate Haz-Mat Tech	
Scott Thompson	Skills Instructor CE Instructor	BS Emergency Administration Planning Firefighter-Master Dept. Head Suppression Fire Inspector-Basic Fire Instructor III-Master Fire Officer II Haz-Mat Tech	Rescue Driver Certified Public Manager
Brent Tillotson	Skills Instructor CE Instructor	AA Fire Science Firefighter-Intermediate Driver Operator Pumper Fire Instructor II Fire Officer I Field Examiner Expires 4/2013	
Charles Tull	Skills Instructor CE Instructor	Firefighter-Master Arson Investigator-Basic Fire Investigator-Basic Driver Operator Pumper Fire Inspector-Basic Fire Instructor III-Master Fire Officer II Field Examiner Expires 10/2013	
Keith Webb	Skills Instructor	Firefighter-Master	

	CE Instructor	Fire Instructor III-Master Fire Officer II Field Examiner Expires 5/2013	
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PROGRAM PLANNING

1. Summarize expectations and plans for the next five years.

The Basic Firefighter Certificate program (Fire Academy) continues to be the flagship for the Fire Science Department at Collin College. Strong enrollments, dedicated instructional staff, quality equipment, and supportive budget yield a 100% pass rate on the state certification exam for the past several years. With 56 Fire Academy classes offered since 1991 and over 1,200 graduates, Collin's recognition for excellence throughout the state attracts good students and employers.

Students benefit from quality instruction provided by associate faculty and part-time skill instructors representing a wide variety of fire departments in the area. Their current on the job experiences highlight the importance of learning safe and effective methods for challenging situations faced by firefighters each day. Lessons presented in class are reinforced with real life experiences of the instructional staff.

The recent integration of interactive lessons through electronic response devices (infrared key pads) has increased the overall scores for the sections of the state certification exam related to hazardous materials. This subject area within the curriculum is the most challenging for Fire Academy students. Expanded use of this technology will allow us to capture real-time assessment data enabling us to identify individual learning needs and alter instruction as needed.

Students in the Fire Academy benefit from scenarios created during training exercises. Each Fire Academy class participates in three full days of specially designed drills where students respond to a variety of simulated incidents. These “multi-tasking” days require the students to incorporate decision making skills with psychomotor skills to effectively respond to a call where they may encounter a smell of smoke, water leak, haz-mat spill, or a full blown structure fire. When not responding to calls, students are required to complete traditional fire station duties such as cleaning equipment, preparing a meal, or conducting a fire safety public education program. Mimicking typical calls on “multi-tasking” days allows the student to experience multiple aspects of the job as a firefighter.

The program is faced with relocation of its facilities. Currently, college administration is working with architects to design a new facility. The proposed off-campus location presents opportunities and challenges. While there will be room for program expansion, the program will experience logistical problems for students and staff.

Short term expectations include replication of existing facilities that will be removed for future development on the Central Park Campus. In the long term, increasing the number of Fire Academy class offerings each year from three to four is likely.

2. Provide the next Continuous Improvement Plan.

The CIP is on a two year cycle, Program data will be collected and the CIP will be developed in the second year of the cycle.

PROGRAM REVIEW REPORT PATHWAY

Completed Program Review Reports will be evaluated by the appropriate deans and Program Review Steering Committees. Following approval by the Steering Committee, Program Review Reports will be evaluated by the Leadership Team who will approve the reports for posting on the intranet. At any point prior to Intranet posting, reports may be sent back for additional development.

APPENDIX - A

APPENDIX A – SYLLABUS, SCANS

- [COURSE SYLLABI](#)
- [Basic Firefighter Certification Program Competency Profile](#)
- [Basic Firefighter Certification SCANS Matrix](#)
- [SCANS Occupation Assessment](#)

[CHEM 1405](#)

[FIRS 1433](#)

[EMSP 1160](#)

[FIRT 1301](#)

[EMSP 1501](#)

[FIRT 1315](#)

[ENGL 1301](#)

[FIRT 1327](#)

[ENGL 2311](#)

[FIRT 1338](#)

[FIRS 1301](#)

[GOVT 2301](#)

[FIRS 1313](#)

[MATH 1332](#)

[FIRS 1319](#)

[PHED 1100](#)

[FIRS 1323](#)

[PHIL 2306](#)

[FIRS 1329](#)

[PSYC 2301](#)

[FIRS 1407](#)

[SPCH 1311](#)

APPENDIX - B

APPENDIX B – JOB ANNOUNCEMENTS

[2013 Job Announcements](#)

[2012 Job Announcements](#)

[2011 Job Announcements](#)

[2010 Job Announcements](#)

APPENDIX - C

APPENDIX C – PROGRAM LITERATURE EXAMPLES

- [Program Literature](#) (pdf)

[Fire Academy Color Brochure](#)

[HSES Color Brochure](#)

[Programs at a Glance](#)

[Request for Degree Certificate](#)

ONLINE:

On-line Catalog

<http://www.collin.edu/academics/catalog.html>

Degree Plans and Programs

<http://www.collin.edu/academics/programs/index.html>

EMT/Fire Science Assessments

http://www.collin.edu/studentresources/testing/availabletesting/emt_fire.html

Fire Science Department Information

<http://www.collin.edu/firescience/>

Fire Science Exemption

<http://www.collin.edu/gettingstarted/financialaid/firescienceexemption.html>

Basic Fire Academy Requirements/Application for Basic Firefighter Certificate Program

<http://www.collin.edu/firescience/>

APPENDIX - D

APPENDIX D – ADVISORY COMMITTEE MEETING MINUTES

- [Program Advisory Committee Meeting Minutes](#)

[June 2012](#)

[November 2011](#)

[April 2011](#)

[June 2010](#)

[December 2009](#)