

*2020 BROWARD COUNTY EMS GRANT APPLICATION*  
*"Funding to improve or expand prehospital EMS Systems"*

**Section I**

1. **Project Title:** EMS Training Body Armor
- Is this a pilot project?     Yes     No
2. **Project Cost \$:** 3,900.00
3. **Agency Name:** Broward College EMS Training
- Address: 3501 SW Davie Road, Davie, FL 33314
- Telephone: (954) 201-6920                      Fax: (954) 201-6397
4. **Project Manager:** The individual with direct knowledge of project and responsible for project implementation.
- Name: Mark Apicella
- Telephone: (954) 275-8864                      Email: mapicell@broward.edu
5. **Authorized Signatory:** The individual authorized to sign the application on behalf of the agency or entity.
- Name of Signatory: Belinda Mouradian
- Title of Signatory: Associate Dean of EMS
6. **Projects Impacting Direct Services to Emergency Victims:** This may include, but is not limited to: vehicles, medical and rescue equipment, communications, dispatch, navigation, and other equipment that impacts on-site treatment. (Countywide projects must offer participation to all licensed EMS providers, based upon levels of service.) Attach Form A.
- Countywide:             Yes             No
- Multiple Agencies:     Yes             No            How Many? \_\_\_\_\_
- Single Agency:         Yes             No
7. **Projects Impacting Indirect Services:** Training of all types (public, first responders, law enforcement personnel, EMS personnel and other healthcare staff), research, and documentation. (Countywide projects must offer participation to all licensed EMS providers.) Attach Form A.
- Countywide:             Yes             No
- Multiple Agencies:     Yes             No            How Many? \_\_\_\_\_
- Single Agency:         Yes             No

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**8. Problem/Unmet Need Description:** Provide a narrative of the problem or need and the population affected by describing the present situation and management (if any) and the potential adverse consequences if not addressed.

In the wake of what seems like unending Mass Casualty Incidents, some involving firearms, and most involving violence of some kind, there is a need to train EMS students in the use of donning body armor, and providing pre-hospital care with the bulkiness of body armor in place.

Advanced student training uses could include being a member of a Rescue Task Force or training as part of a Tactical EMS component alongside law enforcement.

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**9. EMS Improvement and Expansion to Resolve Problem or Address Needs:**  
Describe proposed solutions to the problem and/or need (question #8 – problem description). State the improvements that are reasonably foreseeable and measurable. Use data, scientific, or anecdotal information to support the agency's request. Explain how the project will improve and/or expand prehospital EMS in Broward County. Be specific.

Most local EMS agencies have already outfitted their crews with some type of body armor, and in the goal of trying to make student training scenarios as realistic as possible, we would like to have it available if the student identified a situation where wearing it would be prudent.

Eliminating the ballistic properties for training purposes, reduces the cost, while maintaining the realism of wearing the vest & helmet during training scenarios.

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<b>10. Measurable Outcomes:</b> Outcomes should be viewed from the perspective of the project and provide for: improved conditions/service - for patients as well as EMS personnel; expanded services; new knowledge; or improved knowledge. <b>Outcomes must be measurable and attainable. (Attach additional pages, as needed.)</b>	
<b>A. Project</b>	EMS Training Body Armor
<b>B. Activities</b>	<ol style="list-style-type: none"> <li>1. Identifying situations where donning body armor would be prudent.</li> <li>2. Be able to don the body armor in a reasonable time frame while waiting for the scene to be secured.</li> <li>3. Be able to provide pre-hospital care while wearing the bulky body armor.</li> </ol>
<b>C. Outcomes</b>	<ol style="list-style-type: none"> <li>1. Successfully identifying potentially violent scenes based on Dispatch information.</li> <li>2. Don the EMS body armor &amp; helmet according to the manufacturer's instructions.</li> <li>3. Successfully provide appropriate care based on the injury provided in the scenario.</li> </ol>
<b>D. Indicators</b>	<ol style="list-style-type: none"> <li>1. Scene Safety as described under EMS Operations in the student textbook.</li> <li>2. Description and photos of product based on manufacturer data sheet / user manual.</li> </ol>
<b>E. Data Source</b>	<ol style="list-style-type: none"> <li>1. AAOS, Emergency Care &amp; Transportation of the Sick &amp; Injured, 11th Edition, 2017.</li> <li>2. Fire Armor Ballistic Systems, Palm Beach Gardens, FL.</li> </ol>
<b>F. Data Collection Method</b>	<ol style="list-style-type: none"> <li>1. Skills Lab student testing sheet.</li> <li>2. Instructor Survey form.</li> </ol>

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**11. Project Schedule:** Please complete the table below. Insert additional rows if needed.

Months after Grant is Executed	Activity
1	Purchase and add to Skills Lab Inventory.
2	Incorporate into EMT & Paramedic training scenarios.
3	Submit Report evaluating the project's results.

**12. Supporting Research or Literature?**  Yes (Attachment A)  No  
 (Required if this is a Pilot Project.)

**13. Letters of Support or Reference?**  Yes (Attachment B)  No

**14. Budget:** Do not use brand names when listing items. Use only generic names. Round up/down to the nearest dollar. Please use the table below. Insert additional rows if needed. Do not include extended warranties.

Item	Unit Cost	Quantity	Total
First Responder Vest, (carrier only for training, no ballistics)	\$200	12	\$2400
Front & Rear Foam Insert Set for the vest (no ballistics)	\$100	12	\$1200
ACH Style Helmets (non-ballistic)	\$30	12	\$360
Delivery charges, if any			N/A
<b>Total</b>			<b>\$ 3960</b>

**15. Future Expenses:** Estimate the maintenance or other required recurring expenses per unit after the first grant year (if applicable). Note: No funding will be provided for these expenses under this grant program and must be absorbed by the grant recipient(s). Discuss this issue with your agency as it may affect its budget.

Items	Cost
No Future Expenses	N/A


**Grant monies cannot be used to replace existing equipment.**

\_\_\_\_\_  
 Initials of authorized signatory acknowledging the individual understands this statement.

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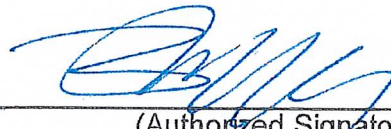
16. **Medical Director Approval:** For all projects requiring approval from the agency's Medical Director in accordance with Chapter 401, Florida Statutes, or Chapter 64J-1, Florida Administrative Code.

The undersigned, as Medical Director for this agency, supports and approves this project.

Signature:  Date: 8/29/2019  
Printed Name: Peter Antevy

17. **Partial Funding:** Will the agency accept partial funding?  
(Note: If the agency is awarded partial funding, an amendment to the outcomes and budget forms must be submitted).

- Yes, the agency will accept partial funding  
 No, the agency will not accept partial funding

Signature:   
(Authorized Signatory)  
Printed Name: Belinda Mouradian

AGENCY NAME: Broward College EMS Training

AUTHORIZED SIGNATORY: 

DATE: 8/29/19

PRINT AUTHORIZED SIGNATORY NAME: Belinda Mouradian

TITLE: Associate Dean of EMS

PROJECT MANAGER'S SIGNATURE: 

PRINT PROJECT MANAGER'S NAME: Mark Apicella

TITLE: Lab Supervisor

TELEPHONE: (954) 275-8864 cell

EMAIL: mapicell@broward.edu

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**If this is a Single Agency Project, this is the last page of the application.**

**If this is a Multiple Agency/Countywide Project (excluding Countywide training projects), please continue by completing the Participating Agency Summary Sheet (Form A) and Section II for *each* Participating Agency.**

**Grant Application Submission Deadline:**

**TBD**

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Fire Armor LLC  
 4521 PGA Blvd., Suite 475  
 Palm Beach Gardens, FL 33418  
 Account Representative: Dave Murry - 561-876-1139  
 Contact Information: [Firearmorballistics@gmail.com](mailto:Firearmorballistics@gmail.com)

Quote Number: 2019-08-0012  
 Quote Date: 26-Aug-19  
 Point of Contact: Mark Apicella  
 Phone #: 954-201-6920  
 Fax #:  
 E-mail address: [Mapicell@broward.edu](mailto:Mapicell@broward.edu)

Bill to: Broward State College  
 3501 Davie Road  
 Davie, FL 33314  
 ATTN: Mark Apicelle

Ship to: Broward State College  
 3501 Davie Road  
 Davie, FL 33314  
 ATTN: Mark Apicelle

Item number	Description	Color	Size	QTY	Price Each	Amount
FIRSTR-BLU	The First Responder - Kit includes - First Responder Carrier with Front and Rear Rifle Plate Pockets, Premium 3M Triple Trim Reflective Striping, Custom Bunker Gear Front Pocket. Two (2) custom ID Panels - Choice of Color & Lettering - CARRIER ONLY - NO BALLISTICS	BLU/YELL	N/A	12	\$185.00	\$2,220.00
FOAM INSERTS (SET)	Front and Rear foam inserts for the Fire Armor Carrier. NO BALLISTIC PROPERTIES - TO BE USED AS A TRAINING PROP ONLY.	N/A	N/A	12	\$85.00	\$1,020.00
TECC - ACH HELMET	TECC - ACH Style Helmets - NO BALLISTIC PROPERTIES - TO BE USED AS TRAINING PROP ONLY	BLK	LRG	12	\$30.00	\$360.00

Subtotal	\$3,600.00
Shipping and Handling	N/A
Sales Tax	N/A
Total	\$3,600.00

NOTE that lead times, pricing, & availability is subject to change without notice  
**This quote is valid for 30 days, after expiration prices are subject to change.**



# FIRST RESPONDER

The First Responder is the complete solution for all Emergency Responders. It is designed as a one-size-fits-most, alleviating the need to have multiple vests. The First Responder was designed **BY** Fire-Rescue / EMS personnel **FOR** Fire-Rescue / EMS personnel. Our vest provides the same level of threat protection as that used by Law Enforcement, but **WITHOUT** the look of a Law Enforcement vest. Designed around Bunker / Turnout gear that is worn everyday by Fire-Rescue personnel. Fire-Rescue and EMS personnel can now be seen as a Medical Response versus a Law Enforcement response.



#### Features:

- One-size-fits-most design adjust from 14" to 64" waist. Level IIIA NIJ 0101.06 Certified soft ballistics
- Fully adjustable shoulder straps to accommodate for varying chest girth.
- Shoulder area includes framework accommodate ballistic panels.
- Front and back plate pockets to accommodate 8" x 10" or 10" x 12" rifle protection plates.
- Wide "Bunker gear" style front pocket with elastic retention for IFAK / Radio or general storage.
- Heavy duty rear drag handle.
- Hi-Viz reflective providing 360° of visibility.
- Heavy duty 1000 denier Cordura™ construction.
- Berry compliant: 100% made in the USA.
- NFPA 3000 compliant.



Front View



Side View



Back View

Available in: Navy, Black, Red, Coyote

**FIRE**  **ARMOR**  
Ballistic Systems

4521 PGA Blvd, Suite 475, Palm Beach Gardens, Florida 33418 • (561) 876-1139

[www.Firearmorballistics.com](http://www.Firearmorballistics.com) • [Firearmorballistics@gmail.com](mailto:Firearmorballistics@gmail.com)

# TECC HELMET

The Batlskin Viper A3 is an ACH style helmet that offers NIJ Level IIIA protection. The Modular Suspension System (MSS) has an impact liner, dial fit band, suspension and retention system. The ratchet system allows the helmet to be quickly tightened or loosened with one hand. Reduced profile enables a wider peripheral and upward field of view for better situational awareness and unrestricted movement. The ACH style makes the A3 compatible with NVG'S, Chem/Bio mash and communication devices.



#### Features:

- Stops NIJ 0101.06 Level IIIA threats (9mm, 44 MAG, 357 SIG)
- Modular Suspension System (MSS), Dial ratchet mechanism allows the helmet to be quickly tightened or loosened
- 4 – point integrated harness system
- Meets US Army ACH standard for impact protection
- 7 year warranty on ballistic material
- Weight: 3 lbs



Front View



Interior View



Back View

*Available in:* Black, Green, Coyote

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