



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2024-2025

LFIR # 1342

1. **Project Title**
2. **Senate Sponsor**
3. **Date of Request**

**4. Project/Program Description**

The purpose of the FL WINSS Project is for career readiness and workforce development by providing essential STEAM education through a Certification Course (hybrid): Digital Twins - Out of this World Space Careers, developing two active learning space simulations (STARBASE Labs) and virtual CTE learning for 5th-12th graders. Aligning career pathways with colleges, universities, and industry will create paid internships for students in STEAM careers. The space simulations will be open source and put directly in the hands of teachers and students in the five Florida DoD STARBASE programs located strategically across the state, Florida virtual learners statewide, and the 73 FL school districts. FL WINSS will be available to all Florida school districts, colleges, and universities interested in improving STEAM education through workforce development practices in the MS&T Space Industry.

5. **State Agency to receive requested funds**
- State Agency contacted?**

**6. Amount of the Nonrecurring Request for Fiscal Year 2024-2025**

Type of Funding	Amount
Operations	900,000
Fixed Capital Outlay	0
<b>Total State Funds Requested</b>	<b>900,000</b>

**7. Total Project Cost for Fiscal Year 2024-2025 (including matching funds available for this project)**

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	900,000	50%
<b>Matching Funds</b>		
Federal	640,267	36%
State (excluding the amount of this request)	0	0%
Local	175,585	10%
Other	75,700	4%
<b>Total Project Costs for Fiscal Year 2024-2025</b>	<b>1,791,552</b>	<b>100%</b>

8. **Has this project previously received state funding?**

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. **Is future funding likely to be requested?**
- a. **If yes, indicate nonrecurring amount per year.**
- b. **Describe the source of funding that can be used in lieu of state funding.**
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10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?

If yes, indicate the amount of funds received and what the funds were used for.

## Complete questions 11 and 12 for Fixed Capital Outlay Projects

11. Status of Construction

a. What is the current phase of the project?

- Planning    
  Design    
  Construction    
  N/A

b. Is the project "shovel ready" (i.e permitted)?

c. What is the estimated start date of construction?

d. What is the estimated completion date of construction?

12. List the owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

13. Details on how the requested state funds will be expended

Spending Category	Description	Amount
<b>Administrative Costs:</b>		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study	The National Center for Simulation charges an indirect cost of 8% for administration fees.	72,000
<b>Operational Costs: Other</b>		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other	1. Equipment for a Launch Telemetry Station to run launch scenario simulations at each of the five Florida DoD STARBASE locations. 2. Equipment to 3D print and build STEM-RASSOR Rovers at predetermined strategic locations statewide. 3. Expenses to introduce the NCS M&S Certification course to all 73 school district CTE program leads. 4. Expenses to develop 5th-12th grade CTE virtual components of the hybrid space simulation workforce development experiences.	228,000



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Consultants/Contracted Services/Study	1. NCS Launch Simulation for 5th grade - 12th Grade students built by Deck Four Innovations (small women owned business) with student interns from state colleges and universities supporting Hispanic and underrepresented students. 2. STEM-RASSOR Rover Platform in collaboration with Florida Space Institute. Graduate Capstone Project students supporting STEM-RASSOR Rover capstone projects in 5th -12th grades with diverse students populations and educators. 3. NCS Certification Course (hybrid): D	600,000
<b>Fixed Capital Construction/Major Renovation:</b>		
Construction/Renovation/Land/Planning Engineering		0
<b>Total State Funds Requested (must equal total from question #6)</b>		<b>900,000</b>

#### 14. Program Performance

##### a. What specific purpose or goal will be achieved by the funds requested?

The purpose of FL WINSS Project is for Career readiness and workforce development by providing essential STEAM education through a Certification Course (hybrid): Digital Twins - Out of this World Space Careers; will align to support new graduate certification program at UCF on Digital Twins for Next Generation M&S. Developing two active learning space simulations (STARBASE Labs) and virtual CTE learning for 5th-12th graders. Aligning career pathways with colleges, universities, and industry will create paid internships for students in STEAM careers. The space simulations will be open source and put directly in the hands of teachers and students in the five Florida DoD STARBASE programs located strategically across the state, Florida virtual learners statewide, and the 73 FL school districts. FL WINSS will be available to all Florida school districts, colleges, and universities interested in improving STEAM education through workforce development practices in the MS&T Space Industry.

##### b. What activities and services will be provided to meet the intended purpose of these funds?

1. This project is weighted for improving education through workforce development practices. This project will improve education for 5th-12th grade students and teachers across the state of Florida through active learning in scenario based simulations focused on STEAM skills via live in-person labs and virtual learning. College students will gain internships and applied practice in the workforce. The MS&T Space workforce will gain skilled workers.
2. This project will create >5 new jobs in the high-tech modeling, simulation, and training (MS&T) industry with a focus on building a launch simulation and a rover excavation simulation to help prepare the future MS&T Space workforce. This project will also create >8 internships for college and university students attending Hispanic supporting universities and other underrepresented students.
3. This project will improve economic activity within the Florida small business community and its larger Space Florida Community.

##### c. What direct services will be provided to citizens by the appropriation project?

1. Citizens owning small business will be provided business building high-tech space simulations for CTE student training statewide.
2. Small women owned business will provide Hispanic and other underrepresented citizens with high-tech internships/jobs building simulations for space launches and rover explorations while also providing applied practice in the MS&T Space industry for growing workforce members.
3. 5th -12th grade teachers and students will gain applied CTE practice in STEAM with Space and MS&T Industry support.

##### d. Who is the target population served by this project? How many individuals are expected to be served?

The largest population served in the state of Florida is the 73 Florida school districts and the 5th-12th grade students and teachers attending/teaching live in-person and virtual learning programs. FL WINSS has the potential to positively impact a very large population of students across the state. The DoD STARBASE Labs reach over 6000 students annually and there are only five in the state. FL WINSS will be available to all Florida students in 5th-12th grade, colleges, and universities. The second largest population served is the MS&T Space workforce and college level interns. Through collaboration on the FL WINSS project college students will work with industry experts to build two active learning space simulations that will benefit the space workforce and CTE students statewide.

##### e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will



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be measured?

FL WINSS will increase the number of 5th-12th graders and their educators with career readiness and workforce development by providing essential STEAM education through a Certification Course (hybrid): Digital Twins - Out of this World Space Careers, developing two active learning space simulations (STARBASE Labs) and virtual CTE learning for 5th-12th graders.

Aligning career pathways with colleges, universities, and industry will create paid internships for students in STEAM careers. FL WINSS will be available to all Florida school districts, colleges, and universities.

The number of students and teachers participating in this project will be documented and organized with feedback for an understanding of impact. Two simulations will be built and shared across the state in the FL DoD STARBASES. A introduction course to the careers in MS&T & Space will be developed and shared across the 73 school districts in FL including virtual learners and measured through number of participants.

**f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for the contract?**

A corrective action plan should be put in place as a penalty to improve service.

**15. Requester Contact Information**

**a. First Name**  **Last Name**

**b. Organization**

**c. E-mail Address**

**d. Phone Number**  **Ext.**

**16. Recipient Contact Information**

**a. Organization**

**b. Municipality and County**

**c. Organization Type**

- For Profit Entity
- Non Profit 501(c)(3)
- Non Profit 501(c)(4)
- Local Entity
- University or College
- Other (please specify)

**d. First Name**  **Last Name**

**e. E-mail Address**

**f. Phone Number**

**17. Lobbyist Contact Information**

**a. Name**

**b. Firm Name**



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c. E-mail Address

d. Phone Number