

## ESMD Internship 2011

### 1. Brief Description of the Opportunity (400 words maximum)

Opportunity is to develop a payload operations center implementation plan and programming document to assist in the procurement and design of ground operations infrastructure at Spaceport America in New Mexico. Scientific payloads from NASA and other customers, as well as their operators, must be accommodated onsite in a way that enables the conduct of quality research before, during and after launches. Student will assemble inputs and best practices from industry, academia and government in developing the plan, which will be used to procure and develop the onsite payload operations center.

### 2. ESMD Area of Emphasis:

Ground Operations: Pre-launch, launch, mission operations, command and control software systems, communications, landing and recovery.

### 3. Student's Computer/Special Skills: Word processing, & literary, internet and primary research skills

### 4. Comments: Spaceport America expects to be home to a hub of scientific research using new suborbital vehicles and a plan for payload integration and operation needs development. Student will work with the Commercial and Technical division staff to complete the task.

### 5. Desired Student Academic Level: Sophomore Junior Senior

### 6. Academic Discipline: Aeronautics/Astronautics background preferable, but scientific or technical experience of any kind will be considered.

### 7. Address of Work Location: 901 E. University Ave. Suite 965L Las Cruces NM 88001

### 8. Work Environment: Office

### Send Resume to:

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