

JOB INFORMATION

Effective Date	9/3/2021
Job Code:	0497
Job Title:	Human Systems Integrator (NASA)
Salary Grade/Structure:	999 - Admin-Professional
Career Level Name:	P2 - Intermediate Professional
FLSA Name:	Exempt
EEO Code:	30-Professional Non-Faculty
Job Function:	Research
Job Family:	Research
Job Summary	The Human Systems Integrator will support the Health and Medical Technical Authority (HMTA) at NASA/JSC, specifically for support to the Human Landing System (HLS) Program. The position will be part of a team of integrators and subject matter experts (SMEs) who work together to ensure NASA human spaceflight programs adequately incorporate and implement HMTA standards from NASA-STD-3001 into vehicle design.

COMPETENCIES

Competencies

Please refer to the UHCL Human Resources webpage for UHCL core competencies for all eligible job levels.

QUALIFICATIONS

Education

Education Level	Education Details	Required/Preferred	
Bachelor's Degree	in systems engineering, industrial engineering, human factors, human systems integration, biomedical engineering, psychology, or closely related field.	Required	

Work Experience

Experience	Experience Details	Required/Preferred	
Some	experience working with NASA human spaceflight Programs and/or in collaborating with multi-disciplined teams is desired.	Required	

Licenses and Certifications

Licenses/Certifications	Licenses/Certification Details	Time Frame	Required/Preferred
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Knowledge, Skills and Abilities

KSAs	Proficiency
<ul style="list-style-type: none"> The candidate shall have demonstrated the ability to work independently and shall possess strong verbal and written communication skills including delivering presentations and writing reports. 	Proficient
<ul style="list-style-type: none"> Familiarity with industry standards (e.g., NASA-STD-3001) for human space flight is desired. 	Basic
<ul style="list-style-type: none"> Verbal skills also include the capability to speak up in Program meetings. 	Skilled
<ul style="list-style-type: none"> Demonstrated experience in human factors is desired. 	Basic
<ul style="list-style-type: none"> Skills in Microsoft Office, specifically Word, Excel, and PowerPoint. 	Skilled

JOB RESPONSIBILITIES

- Campus Security Authority
- Remote Work Capable

Essential Functions

Essential Function	% TIME
<ul style="list-style-type: none"> Serve as Human Systems Integrator for assigned set of crew interface requirements. 	35%
<ul style="list-style-type: none"> Provide Human Systems Integration (HSI) support to NASA customers. 	30%
<ul style="list-style-type: none"> Coordinate with the HLS Chief Health and Performance Officer (CHPO), the HLS SE&I Lead, the HHP HLS team, and HHP technical Subject Matter Experts (SMEs). 	10%
<ul style="list-style-type: none"> Coordinate with NASA Program Discipline Leads and stakeholders. 	5%
<ul style="list-style-type: none"> Provide insight to HLS Program compliance with HMTA mandatory standards as well as inform HMTA decisions. 	5%
<ul style="list-style-type: none"> Coordinate and participate in Program document and design reviews, develop corresponding summary assessments, and follow up on resulting actions. 	5%
<ul style="list-style-type: none"> Develop requirements mapping from HMTA standards to Program documents and corresponding gap analysis. 	5%
<ul style="list-style-type: none"> Participate in HMTA meetings, NASA Human Spaceflight Program meetings, HHP meetings, and internal team meetings; develop and deliver presentations as necessary. 	5%

PRE-EMPLOYMENT

MVR:	No
Criminal History:	Yes
Physical Exam:	No
Hearing Exam:	No
Pulmonary Function Test:	No

PHYSICAL DEMANDS/WORKING CONDITIONS

Office and Administrative Support

Physical Demands

Physical Demand	N/A	Rarely	Occasionally	Frequently	Constantly	Weight
Standing			X			
Walking			X			
Sitting					X	
Lifting		X				
Carrying		X				
Pushing		X				
Pulling		X				
Climbing		X				
Balancing		X				
Stooping		X				
Kneeling		X				
Crouching		X				
Crawling		X				
Reaching		X				
Handling			X			
Grasping			X			
Feeling		X				
Talking					X	
Hearing					X	
Repetitive Motions				X		
Eye/Hand/Foot Coordination				X		

Working Environment

Working Condition	N/A	Rarely	Occasionally	Frequently	Constantly
Extreme cold		X			
Extreme heat		X			
Humidity		X			
Wet		X			
Noise			X		
Hazards		X			
Temperature Change		X			
Atmospheric Conditions		X			
Vibration		X			

Travel Requirements

Estimated Amount	Brief Description
0%	