Hartnell Community College District
Request for New or Additional Space

ALL SPACE REQUESTS REQUIRE APPROVAL BY THE SUPERVISING DEAN/DIRECTOR AND VICE PRESIDENT

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<tr>
<th>I. CONTACT INFORMATION:</th>
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<tr>
<td>Requesting Program and/or Service: Title V and STEMart Faculty Inquiry Group, Art Department</td>
</tr>
<tr>
<td>Name: Eric Bosler</td>
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<th>II. DESCRIPTION OF DEPARTMENT:</th>
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<tr>
<td>A. Is this Request for a new program and/or service?</td>
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<tr>
<td>Yes [ ] No [x]</td>
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<td>If yes, attach evidence that the new program and/or service has been approved through the procedures outlined in AP 4021.</td>
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<td>If available, attach evidence that the most recent annual or comprehensive program planning and assessment (PPA) addresses program/service growth and corresponding physical space needs.</td>
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<td>B. Briefly describe the function of your program and/or service.</td>
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<td>The development of a special joint lab (STEMart Lab) to be established in the Visual Arts Facility designated as building J. The specific space to house the STEMart lab is the unpartitioned studio spaces J-117A and J-117B. These spaces currently serve as workshop/lab spaces for several classes, and will continue to do so. This proposal is to reconfigure the space to additionally facilitate STEM students who would produce physical manifestations of the invisible realms the sciences address. These “invisible realms” include but are not limited to physics, biophysics, chemistry, biochemistry, biology, math, and astrophysics. Examples include mathematics students building 3D models of the equations that they work with in class, biology students building models of complex biological systems and using the video studio to create tutorials using the model, and engineering students using the lab to test engineering principles. In other words, STEM creates ART to advance STEM. Additionally, art students would be exposed to scientific culture by interacting directly with their peers from the science courses taught at Hartnell. The merging of art and technologies of the 21st century is a cultural shift in the tech world. This lab will enable Hartnell College students to have first-hand experience with the merging of art and technologies. J-117A and J-117B with the adjoining foundry spaces are ideally located to allow direct STEM student access from the new science facility.</td>
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<td>C. Number of full-time faculty _____, Number of part-time faculty _____, Number of staff _____.</td>
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<td>Number of student workers _____ Instructional space will be used by existing staff.</td>
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<td>D. Do you anticipate the number of people in your program and/or service increasing within the next two years?</td>
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<td>E. If yes, indicate anticipated growth:</td>
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<tr>
<td>Number of full-time faculty _____, Number of part-time faculty _____, Number of staff _____. Number of student workers _____.</td>
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<td>F. How much space do you currently have? (total assignable square feet)</td>
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<td>Currently there are 0 square feet dedicated to a STEMart Lab combining science and art education and activities.</td>
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<th>III. REQUEST FOR SPACE:</th>
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<td>A. Describe why new/additional space is needed, including how this new/additional space will help the college achieve one or more goals in the strategic plan. Attach supporting documents if appropriate. Address the implications to your program/service if additional space is not approved.</td>
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<tr>
<td>The STEMart Lab addresses very directly Strategic Goals 2A, 2B, and 5A.</td>
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<td>The STEMart Lab epitomizes a culture of innovation (5A) and collaboration (2A and 2B) and will provide Hartnell students the opportunity to develop the creativity that is essential to real-world employment opportunities in art and STEM (5A). It will also prepare them to operate successfully in the social environments of their professions.</td>
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<tr>
<td>In this collaborative learning space, Hartnell College students will have first-hand experience with the merging of art and technologies. Critical thinking, problem solving, and creativity are linked and the linkage will be made visible by activities in the STEMart Lab. In addition, the improved facility would support digital media students and traditional art students, providing access to new technologies such as 3D printing, computer controlled routers, a video studio space, and digital photography editing capabilities. These integrated approaches have been championed by the high tech industry as being essential to innovation (5A). If it’s good enough for MIT, it’s good enough for Hartnell!</td>
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Space Request Form 1 of 3 Revised 12-4-2014
No new or additional space will be needed for the STEMart Lab. Current art instructional space will be enhanced and repurposed for multi-use in art and STEM fields. The space will be used to redesign the way that art instruction is delivered.

The STEMart Lab project provides a rare opportunity to make needed upgrades in a way that integrates art, not only with science but with other disciplines at modest cost. The idea of a STEMart Lab has been implemented at major universities, proving its viability. The idea has won the support of the Hartnell Arts Council, the Academic Senate and the Academic Affairs Council. Furthermore, significant funding has been obtained from two different grants. If this project is not approved then it becomes instead a major opportunity missed.

B. New space will be used for: Instruction ☑ Research/Grant ☐ Administration ☐ Storage ☐ Student Support ☑
Other, please specify

C. What attempts have been made to locate space within your current space allocation? Has under utilized space been assessed to solve this need? Have shared space possibilities been explored?
This proposal is a perfect example of locating space with the current space allocation. It will not take away from another area. It is renovating an existing space in the Art Department for enhanced use in art instruction, with the addition of the capability for instruction in STEM fields. This will be a shared space and that is exactly the benefit of developing the STEMart Lab.

D. Have you identified a suitable location for this new space that may be available?
Yes ☑ No ☐

E. If yes, describe, identify building/room #s or attach drawing/floor plans/diagrams. Attach additional supporting documents if appropriate. J-117A and J-117B with the adjoining foundry spaces. See attached floor plan drawing.

F. Does the request impact space currently being utilized by other programs and/or services?
Yes ☐ No ☑ If yes, in what ways does the request impact other programs and/or services?


H. Provide information on any time constraints that may affect the timing of allocation of the space.
We are aware of no time constraints that affect the allocation of the space. Plans have been made for spring semester activities in adjoining room J115 to adapt to construction.

RECOMMENDATION SIGNATURES (The signatures below indicate agreement that the space request should be considered. Recommendation to proceed does not indicate a guarantee of space for the purpose outlined in this request.)

Director/Dean: Stephanie Ford Signature: Stephanie Ford Date: 12/19/14

Comments:
Vice President: Signature: Date: 1-8-15

Comments:

Forward this completed form with the proper signatures and supporting documents by email to the Facilities Development Council chair, Joseph Reyes, ireyes@hartnell.edu & Laura Warren, lwarren@hartnell.edu

FACILITIES DEVELOPMENT COUNCIL ACTION
Date reviewed by Council:
Action recommended by Council:
Date Forwarded to College Planning Council for Action:

COLLEGE PLANNING COUNCIL ACTION
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**SUPERINTENDENT/PRESIDENT DECISION**

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SOUTH EAST GROUND FLOOR PORTION OF BUILDING “J”
ROOMS 115, 117a, 117b, FOUNDRY, AND ADJACENT SPACES
DRAWING KEY

Existing Features:
(A) roll-up doors
(B) sliding gate doors
passage doors
(D) existing walls at points of remodel
(E) small tool room
(F) telephone panels
(G) closet
(H) stair wells

Existing features not shown (to view them, see photo of 3D model):
- cabinets
- work stations
- floor mounted tools
- sinks
- small built in features

New features:
(1H) partition walls
(2C) new doors
(1V) vacuum system
(1F) new flooring
(1W) window bank
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