

STATE BOARD OF COMMUNITY COLLEGES
Allocation for Professional Development Workshop about
Sub-Orbital Unmanned Space Flight Testing

Request: The State Board is asked to approve an allocation of \$44,583 to Mitchell Community College (MCC) to conduct educator professional development workshops for community college faculty about sub-orbital unmanned space flight. During the workshop faculty will learn NASA's design cycle, as well as develop payload specifications, learn rules of NASA competitions, and conduct a demonstration launch.

Background: The North Carolina Space Grant (NC Space Grant), in partnership with the NC Community College System, was awarded a grant from NASA entitled "Strengthening the NC Space Grant Partnership with the NC Community College System to Enhance STEM-Based Learning" for \$499,366 to provide competitive scholarships for community college students enrolled in STEM degree programs (specifically targeting women and underserved populations) and to promote team design challenge and competitions statewide. Of the total award, \$294,101 will come to the System Office over two plus years and be allocated to MCC to provide professional develop workshops and to approximately 12 community colleges, using an application process, over the lifetime of the grant. Additional allocations from the \$294,101 will be made at a later time. The remaining amount of \$205,265 will be managed by NC Space Grant and will be awarded to community college students in the form of scholarships.

Rationale for Approving the Allocation: MCC is serving as the lead college for this grant due to its rich history of involvement in NASA's student design competitions (Student Rocket Launch Initiative: 2005-2011).

Method of Allocation: MCC was named in the NASA grant application as the lead college.

Allocation Amount and Time Period: The allocation is for the period October 20, 2014 through August 30, 2015 at a cost of \$44,583.

Fund Source and Availability: These funds are contingent upon receipt of the award from NC Space Grant Affiliate at NC State University for the period of September 1, 2014 – August 30, 2015.

Contact Person:

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