



“Engaging New York City Community College Students in Earth System Sciences Careers through Innovative Degree Pathways”

Budget Justification

The Research Foundation of the City of New York (RFCUNY) on behalf of Borough of Manhattan Community College (BMCC), requests \$160,443 for the implementation of the above referenced project over three years, as follows:

YEAR 1

A. Senior Personnel (\$10,550)

BMCC Prof. Kibrewossen Tesfagiorgis is serving as co-Investigator on this grant and will also act as BMCC’s student coordinator and research mentor. In collaboration with CCNY faculty, he will mentor students’ research during the summer bridge program. Prof. Tesfagiorgis will lead the redesigning and articulation of four engineering elective courses. He will work with the EarthSTEM P3 team in ensuring the courses redesigned by BMCC will align with the curricular offerings at CCNY. Prof Tesfagiorgis will also serve as an academic advisor for the participants, ensuring their transition to the four-year college (CCNY). He will receive summer salary of \$10,550, representing 0.82 person-months of his full-time salary of \$115,333.

B. Other Personnel (\$7,750)

A Student Recruitment Coordinator, to be hired from BMCC faculty, will help in preparing flyers for the promotion of the program and collecting student resumes. The Student Recruitment Coordinator will receive \$750 in summer salary per year.

BMCC faculty will help in redesigning four engineering elective courses. To ensure faculty are fully committed to this project, four faculty will each receive a summer salary of \$1,750 for each course revised.

C. Fringe (\$4,996)

Fringe on summer salary is charged at 27.3% and equals \$2,880 for co-I Tesfagiorgis, \$205 for the Student Recruitment Coordinator, and \$1,911 for four faculty curriculum designers.

Total Personnel + Fringe (\$23,296)

D. Equipment: NA

E. Travel – Domestic (\$2,000)



Domestic Travel: Travel to annual American Meteorology Society (AMS) meeting for Prof Tesfagiorgis (more than 2,000 participants participate the annual meeting). Estimated cost of flight to New Orleans \$450; conference registration cost \$625 with early bird registration discounts; abstract submission fee \$120; lodging, transportation and meals for 3 days \$696 (3x (\$158 lodging + \$74 M&IE)-based on the current federal per diem rate for New Orleans, LA., plus ground transportation at \$109.

F. Participant Support Costs

Stipends (\$20,000)

Student researchers will be provided with a stipend of \$4,000 each summer for their participation in the CCNY's annual STEM Poster Board Session and the summer bridge program, in an 8-week enrichment program that includes hands-on research. During the academic year, student researchers will continue to work on the research project that they started during summer bridge program. Five students will be recruited and selected based on their interest to pursue Earth Science profession.

G. Other Direct Costs

Materials and Supplies (\$1,108)

Two faculty mentors will receive tablets devices to enable them to work with student mentees in engaging in hands-on, collaborative research in the field at an estimated cost of \$565 each.

H. Total Direct Costs (\$46,404)

I. Indirect Costs (\$16,540)

BMCC has a predetermined Facilities and Administrative Cost Rate agreement with the U.S. Department of Health and Human Services (HHS), which sets our rate at 71%. Rates are calculated on a base of direct salaries and wages including all fringe benefits. This agreement is in effect from 7/1/2019 to 6/30/2023.

J. Total Direct & Indirect Costs (\$62,944)

YEAR 2

A. Senior Personnel (\$10,867)

BMCC Prof. Kibrewossen Tesfagiorgis will perform the same scope as in Year 1. He will receive summer salary of \$10,867, representing 0.82 person-months of his full-time salary.

B. Other Personnel (\$750)

A Student Recruitment Coordinator, to be hired from BMCC faculty, will help in preparing flyers for the promotion of the program and in collecting student resumes. The Student Recruitment Coordinator will receive \$750 in summer salary per year.

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C. Fringe (\$3,172)

Fringe on summer salary is charged at 27.3% and equals \$2,967 for co-I Tesfagiorgis, and \$205 for the Student Recruitment Coordinator.

Total Personnel + Fringe (\$14,789)

D. Equipment: NA

E. Travel – Domestic (\$2,000)

Domestic Travel: Travel to annual American Meteorology Society (AMS) meeting for Prof Tesfagiorgis (more than 2,000 participants participate the annual meeting). Estimated cost of flight to New Orleans \$450; conference registration cost \$625 with early bird registration discounts; abstract submission fee \$120; lodging, transportation and meals for 3 days \$696 (3x (\$158 lodging + \$74 M&IE)-based on the current federal per diem rate for New Orleans, LA., plus ground transportation at \$109.

F. Participant Support Costs

Stipends (\$20,000)

Student researchers will be provided with a stipend of \$4,000 each summer for their participation in the CCNY's annual STEM Poster Board Session and the summer bridge program, in an 8-week enrichment program that includes hands-on research.

G. Other Direct Costs

Materials and Supplies (\$1,106)

Two faculty mentors will receive tablets devices to enable them to work with student mentees in engaging in hands-on, collaborative research in the field at an estimated cost of \$565 each.

H. Total Direct Costs (\$37,895)

I. Indirect Costs (\$10,500)

J. Total Direct & Indirect Costs (\$48,395)

YEAR 3

A. Senior Personnel (\$11,193)

BMCC Prof. Kibrewossen Tesfagiorgis will perform the same scope of work as in year 1. He will receive summer salary of \$11,193, representing 0.82 person-months of his full-time salary.

B. Other Personnel (\$750)

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A Student Recruitment Coordinator, to be hired from BMCC faculty, will help in preparing flyers for the promotion of the program and collecting student resumes. The Student Recruitment Coordinator will receive \$750 in summer salary per year.

C. Fringe (\$3,261)

Fringe on summer salary is charged at 27.3% and equals \$3,056 for co-I Tesfagiorgis and \$205 for the Student Recruitment Coordinator.

Total Personnel + Fringe (\$15,204)

D. Equipment: NA

E. Travel – Domestic (\$2,000)

Domestic Travel: Travel to annual American Meteorology Society (AMS) meeting for Prof Tesfagiorgis (more than 2,000 participants participate the annual meeting). Estimated cost of flight to New Orleans \$450; conference registration cost \$625 with early bird registration discounts; abstract submission fee \$120; lodging, transportation and meals for 3 days \$696 (3x (\$158 lodging + \$74 M&IE)-based on the current federal per diem rate for New Orleans, LA., plus ground transportation at \$109.

F. Participant Support Costs

Stipends (\$20,000)

Student researchers will be provided with a stipend of \$4,000 each summer for their participation in the CCNY's annual STEM Poster Board Session and the summer bridge program, in an 8-week enrichment program that includes hands-on research. During the academic year, student researchers will continue to work on the research project that they started during summer bridge program. Five students will be recruited and selected based on their interest to pursue Earth Science profession.

G. Other Direct Costs

Materials and Supplies (\$1,105)

Two faculty mentors will receive tablets devices to enable them to work with student mentees in engaging in hands-on, collaborative research in the field at an estimated cost of \$565 each.

H. Total Direct Costs (\$38,309)

I. Indirect Costs (\$10,795)

J. Total Direct & Indirect Costs (\$49,104)

TOTAL Direct Costs (\$122,608)

Indirect Costs (\$37,835)

TOTAL Direct & Indirect Costs (\$160,443)

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