

Call for Faculty Fellows

Join us in “Opening Gateways”

“Opening Gateways to Completion: Open Digital Pedagogies for Student Success in STEM” is a five-year initiative (2015-2020) funded by the U.S. Department of Education’s Strengthening Hispanic-Serving Institutions (Title V) program. A joint project between City Tech and the Borough of Manhattan Community College, its mission is to introduce open-source digital technologies, open educational resources, and active learning pedagogies into the sequence of high-enrollment mathematics courses required for STEM disciplines.

We are seeking City Tech faculty members to join the Opening Gateways Seminar, one of the central activities of the Opening Gateways to Completion initiative, in the Fall 2018 semester and become part of a community of Faculty Fellows who are enthusiastically engaged in this transformational effort.

The Opening Gateways Seminar

In Fall 2018, a group of Faculty Fellows will participate in an intensive seminar focused around planning a revised MAT 1375 (Pre-Calculus) course that utilizes high-impact educational practices, flipped classroom approaches, problem-based learning, assessment best practices, open digital technologies and other active learning pedagogical tools and strategies. Seminar participants will implement course enhancements in the Spring 2019 semester and provide ongoing feedback on the effectiveness of strategies and materials.

The Schedule

In **Fall 2018** (Seminar Semester) faculty participants will:

1. **read** relevant literature
2. **attend** seven training workshops on the following topics:
 - **Active Learning Strategies (joint workshop City Tech/BMCC)**
 - **Open Digital Pedagogies and STEM Applications**
 - **Using Flipped Instruction and Desmos in the Math Classroom (joint workshop City Tech/BMCC)**
 - **Math Games (joint workshop City Tech/BMCC)**
 - **An Introduction to WeBWork (joint workshop City Tech/BMCC)**
 - **Effective Advisement Strategies for Math Faculty**
 - **Deliverables Wrap-Up Session**

Workshops will be held on the following Fridays: 9/7, 9/21, 10/5, 10/19, 11/2, 11/16 and 12/7 from 10:30 am to 1:30 pm (tentative).

3. **develop and revise teaching materials** to reflect Title V best practices
4. **collaborate** with fellow participants and Opening Gateways team members and sharing best practices.

In **Spring 2019** (Implementation Semester) faculty participants will:

1. **implement** new course materials in MAT 1375
2. **integrate** open educational resources into their course, using creative classroom techniques
3. **assess** student learning outcomes in the pre- and post-implementation
4. **share** their strategies and materials at a year-end professional development colloquium for City Tech and BMCC faculty
5. **collaborate** with fellow participants and Opening Gateways team members and share best practices
6. **revise** course materials based on implementation results and student and faculty feedback.

Eligibility

To take part in the seminar, faculty must:

- be able to make a two-semester commitment (Fall 2018 and Spring 2019)
- be available on Fridays in Fall 2018 to participate in training workshops
- have recently taught MAT 1375 (or be teaching it by Fall 2018) AND teach MAT 1375 in Spring 2019
- be willing to work in a highly collaborative environment
- be willing to use the OpenLab (<http://openlab.citytech.cuny.edu>) for all seminar-related activities and teaching (training and support will be provided)
- be willing to use WeBWorK, a free and open source online homework system (<http://webwork.maa.org/>) (training and support will be provided)

Previous Opening Gateways Fellows are welcome to apply.

Compensation

Full-time faculty fellows will receive 2 credits of release time during the Spring 2019 semester. Work done in Fall 2018 will be vital service to the college.

Adjunct faculty fellows will be paid a stipend of \$2,000 for participation in program activities and completion of deliverables in Fall 2018/Spring 2019.

Application Process

Fellows will be chosen based on the strength of their statements of interest and their commitment to participate fully in all activities. We seek to convene a dedicated group of mathematics faculty members who bring intellectual vitality and a passion for teaching to City Tech.

To apply, please complete the application form:

<http://tinyurl.com/OpeningGatewaysApplication>

Application Deadline: March 1, 2018

Further Information

Please contact Marianna Bonanome, Opening Gateways Seminar Co-Director, at mbonanome@citytech.cuny.edu or Laura Ghezzi, Opening Gateways Seminar Co-Director at lghezzi@citytech.cuny.edu if you have questions or need additional information.