



**University of Houston-Downtown
College of Public Service
Department of Urban Education
And
Department of Mathematics and Statistics**

**Master of Arts in Teaching (MAT) in Curriculum and Instruction with an area of expertise
in teaching mathematics, including a Professional Certificate in Dual-Credit Secondary
Mathematics Teaching**

This 36 credit-hour Master of Arts in Teaching (MAT) with a Professional Certificate in Dual-Credit Secondary Mathematics provides certified secondary mathematics teachers with the course work to teach dual-credit (high school/college) mathematics. Additionally, this MAT degree provides college/university developmental mathematics instructors with the coursework required to teach college/university credit mathematics courses.

Required Graduate Mathematics Courses (18 credit hours)

Common Courses: (15 hours)

- MATH 5300 Survey of Graduate Mathematics
- MATH 53XX Foundation of Data Analysis with SAS Program (online)
- MATH 5306 Modern Algebra
- MATH 5307 Real Analysis
- MATH 53XX Combinatorics (online)

Elective Course Options: (3 hours)

- MATH 5304 Introduction to Partial Differential Equations
- MATH 5315 Mathematical Modeling
- MATH 6322 Graph theory
- MATH 5302 Probability and Statistics

Required Courses for MAT in Curriculum and Instruction (18 credit-hours)

- MAT 53xx Mathematics Methods for Secondary Algebraic Reasoning
- MAT 5312 Managing the Secondary Environment for Student Success
- MAT 53xx Mathematics Methods for Advanced Topics
- MAT 6318 Technology Application for Curriculum Development and Instruction
- ?????MAT 6324 Innovative Teaching Applications Using Technology
- MAT 6390 Directed Study in Urban Education

Admission Requirements

- Pre-screening application
- Official transcript that depicts an earned baccalaureate degree from an accredited university with a minimum GPA of 2.5
- GRE scores: Quantitative, Verbal, and Analytical Writing
(Note: No GRE scores are required if your undergraduate GPA is 3.5 or higher. Also, if your undergraduate GPA is 3.0 or higher, you can earn conditional acceptance into the MAT program with no GRE scores. Then, earning grades of A or B in your first two MAT courses will earn you unconditional acceptance into the program.)
- Three professional recommendation forms
- Written personal statement
- Earned required number of points based on the MAT admission multiple criteria index (based on undergraduate GPA, GRE scores, recommendation forms, and personal statement)
- Submitted TOEFL scores (if baccalaureate degree coursework was in a language other than English)

The DCC certificate program requires completion of a minimum of 18 semester credit hours. For certificate completion, at least 15 hours must be completed at UH-Downtown with a grade point average of 3.0. According to SACCS, eligibility for teaching college-level mathematics coursework includes both a Master's degree and 18 hours of graduate mathematics coursework. The DCC provides the 18 hours in graduate mathematics coursework which can be counted towards a Master's of Arts in Teaching (MAT).

Total DCC Program Tuition/Fees (18 Credit Hours)

\$13,908 (Texas resident, based on Fall 2016 tuition/fees, taking two classes per semester)

Note: Tuition prices can change, and taking fewer than two classes per semester will raise the total program price of tuition/fees. This program cost estimate does not include books, materials, and living expenses. Tuition for non-Texas residents and international students is higher. UHD Graduate Tuition/Fees information is available here: <https://www.uhd.edu/student-resources/cashiers/Pages/cashiers-grad-tuition2017.aspx>

Scholarship Assistance

Students who are interested in completing the DCC as part of the MAT degree are encouraged to apply for the Gordon and Mary Cain Graduate Academic Merit Scholarship. Students must be enrolled in the MAT program at the time of application for the scholarship. This scholarship will pay for half the price of UHD MAT tuition/fees for two semesters. Students can earn this scholarship more than once during the course of their MAT program.

Faculty Contacts

Dr. Bernardo Pohl (Urban Education Graduate Programs Coordinator): pohl@uhd.edu

Dr. Cristal Burnett (Assistant Department Chair): burnettc@uhd.edu

Dr. Judith Quander (Manager of the DCC program): quanderr@uhd.edu

Dr. Jacqueline Sack (Urban Ed. Math Ed. faculty): sackj@uhd.edu

Additional Information

- Apply for the UHD MAT program: www.applytexas.org
- Ms. Ceshia Love (UHD Director of Graduate Program Admissions): lovec@uhd.edu, (713) 221-8454
- UHD DCC Website: <https://www.uhd.edu/academics/sciences/mathematics-statistics/Pages/profess-certificate-dual-credit-Sec-math-teaching.aspx>

- UHD MAT Website: www.uhd.edu/mat
- Master of Arts in Teaching (MAT) Handbook: <https://www.uhd.edu/academics/public-service/urban-education/Documents/mat-handbook.pdf>
- Gordon and Mary Cain Graduate Academic Merit Scholarship Application: https://www.uhd.edu/academics/public-service/Documents/scholarship-graduate-gordon_mary_cain.pdf