STEM MAE On-line Program Spring 2020 Start

The University of Maryland, Baltimore County (UMBC) is offering an online 36-credit, 12-course non-thesis Masters of Arts in Education (MAE) degree with a concentration in STEM Education. This program is designed to provide experienced teachers content knowledge, pedagogical content knowledge and enhance leadership skills in STEM.

Applications accepted now through October 20, 2019.

Program Timeline

The program will run from Spring 2020 through Fall 2023 (4-year program). One course offered each Fall, Spring, and Summer session.

Admission Requirements

- Undergraduate degree with a GPA of 3.0 or higher
- MD Teaching certificate
- Three professional or academic references
- Goal statement

Program Delivery

UMBC will offer all courses online. The courses will be a mix of synchronous class sessions using BlackBoard Collaborate and asynchronous class sessions using BlackBoard discussion boards. Teams and group work is a part of most courses as it is a focal point of STEM education and STEM careers.

Reduced Tuition Cost

Participants will pay a reduced tuition rate of $350 per credit ($1050 per 3-credit course).

For more information, please contact:

Dr. Tracy Irish
Clinical Assistant Professor, MAE
UMBC Department of Education
tirish1@umbc.edu
410-455-3050

University of Maryland, Baltimore County (UMBC)
Master of Arts in Education (MAE)
Spring 2020 to Fall 2023
Online Program
Concentration STEM Education

Program Overview

UMBC intends to offer the MAE program for teachers who want to increase their understanding and implementation of STEM content knowledge, strengthen pedagogy and enhance teacher leadership through graduate level courses. Applicants who are admitted to this program will be admitted and registered as bona fide graduate students of UMBC. Participants completing the program with 36 approved graduate credits will be awarded the Master of Arts in Education (MAE) with a concentration in STEM.

This group will begin in Spring 2020. UMBC will offer program participants three, 3-credit courses or nine (9) credits per academic year during the spring, summer and fall semesters. Participants are expected to complete the program in four (4) years by Fall 2023.

How to Apply for the MAE Regional STEM Program

Prospective participants will begin by mailing the documents outlined in **STEP 1 by October 20, 2019 **to Dr. Tracy Irish, UMBC Dept. of Education, 1000 Hilltop Circle, Baltimore, MD 21250 or by email to tirish1@umbc.edu. Through review of STEP 1 documents, UMBC will determine whether your background and qualifications meet the program acceptance requirements and if the program has substantial numbers to begin. If so, you will be notified by email to complete STEP 2 of the online graduate application process.

Tuition

Each participant will be responsible to pay tuition each semester for all nine (9) credits taken in the academic year, and will be billed directly by UMBC at $350.00 per credit. Participants will automatically be billed the tuition upon registering for the course. Participants can access accounts and pay electronically through *my*UMBC, "Billing & Financials". University deadlines and late fees will apply.

Fees

A Graduate Application fee of $50 will be required when applying online to the Graduate School. Participants will be billed a one-time matriculation fee of $200. A one-time Education Department Accountability System (Tk20) fee of ~$100 must be paid directly to Tk20. A technology fee, currently $15 per credit, will be charged each semester. Other University fees could be assessed if warranted – e.g. late payment, late registration, library, or parking violations. During the final semester if choosing to walk in commencement, participants will have to pay for regalia rental. These rates are subject to change based on university policies. All other standard fees associated with graduate courses will be waived. All fees are non-refundable.

Textbooks

Teachers participating in the program will be responsible for purchasing their textbooks. We recommend using an online service such as Amazon.com. The course instructor will provide detailed information regarding textbook requirements each semester.

Registering for Courses

Registration is completed online through *my*UMBC. Prior to each semester, participants will be contacted by email of the non-published "class number" which will be required to register. Participants are required to register before the start of each class. University deadlines and late registration fees will apply.

Dropping a course, Withdrawing or Leave of Absence

UMBC Department of Education is committed to each participant's success as a graduate student. Your participation in the online program is a personal, as well as, a group commitment. If a participant feels that they must interrupt their studies for any reason, please inform the Academic Program Director of your decision. Please see the [University policies](#) regarding dropping and withdrawing courses.

Other UMBC Courses or Programs

The requirements and costs outlined above pertain specifically to courses offered through this online program. Participants who wish to pursue coursework or degrees outside of this program will be subject to standard university tuition costs, fees, and procedures for registration and admission.

Final Grades

Participants can access unofficial and purchase official transcripts on-line through *my*UMBC. Participants are responsible for obtaining official transcripts and requesting any possible reimbursement from their school system.

STEP 1: Submit the following documents to apply to the MAE Regional STEM Program by 10/20/19

- ❑ **1**. Teacher Profile Form – keep a copy for your records and refer to when filling out your application.

- ❑ **2**. Transcripts – only official copies (sealed) of all of your transcript(s) showing GPA obtained and certifying completion of the bachelor's degree will be accepted. If you have earned a graduate degree or completed any graduate coursework please include transcripts for this as well. If your college/university sends an electronic transcript, it must be sent directly to UMBC's Graduate School.

- ❑ **3**. Goal Statement - two-paged, double-spaced essay addressing the following questions:
  (1) What are your professional goals for participating in the UMBC MAE Online Program?
  (2) What do you see as the main benefits of this program, long and short term, for both you and your students?

- ❑ **4**. Three Letters of Recommendation – these should be business or professional only and each should be in a sealed envelope and enclosed in your application packet. These may also be emailed directly to tirish1@umbc.edu.

- ❑ **5**. Certified Teacher in Maryland validation - either a copy of your teaching certificate or letter from your principal confirming certification status.

- ❑ **6**. Registration & Tuition Agreement

  🖉 **Use a paperclip; do not staple the application materials.**
  🖉 **All "official" transcripts and recommendations must be sealed.**
  🖉 **If necessary, application materials can be mailed or emailed directly to Dr. Tracy Irish (contact information below).**

STEP 2: Submit online Graduate Application <u>upon notification</u> from the UMBC MAE Program that you eligible to participate in the program within 5 business days. STEP 2 instructions will be emailed to you.

- ❑ **1.** <u>UMBC Graduate Application online</u> – you must apply online to be admitted to UMBC Graduate School. Instructions enclosed.

- ❑ **2**. <u>$50.00 Graduate Application Fee</u>

QUESTIONS?
For information regarding eligibility for the UMBC STEM MAE Online Program, please contact:

Dr. Tracy Irish
Clinical Assistant Professor, MAE
UMBC Department of Education
1000 Hilltop Circle, Baltimore, MD 21250
tirish1@umbc.edu
410-455-3050

Rita Williams
MAE Program Coordinator
ritaw@umbc.edu
410-455-6579

Teacher Profile Form
UMBC
Master of Arts in Education (MAE)
Regional Online STEM
Program

Please Print:

1. Name:

_____

2. Address:

_____

_____

_____

3. Phone number(s):

Cell: _____

Work: _____

4. Email(s):

Primary: _____

Secondary: _____

5. Current teaching assignment:

 Name of School System:

_____

Name of
School:_____

Grade(s): _____

Subject(s):_____

Number of years of teaching experience: _____

Area(s) of
Certification:_____

6. Education/Undergraduate Degree:_____

 (If Applicable) Maiden or alternate name on transcript:

_____

School Name:

_____

Year(s) _____ to _____

Degree Earned: _____ GPA: _____

7. Education/Other Schools (e.g. Graduate; Community Colleges)

   Name: _____

   Year(s): _____ to _____ Degree: _____GPA: _____

   Name: _____

    Year(s): _____ to _____ Degree: _____GPA: _____

   Name: _____

   Year(s): _____ to _____ Degree: _____GPA: _____

   Name: _____

   Year(s): _____ to _____ Degree: _____GPA: _____

8. Emergency Contact Name & Number:

_____

University of Maryland, Baltimore County (UMBC)
Master of Arts in Education (MAE)

Registration & Tuition Agreement
Regional STEM Online Program

By signing this form, I understand:

(1) I am responsible to pay $350.00 per credit. Billing will occur at the time of registration. Payment will be made electronically through *my*UMBC and university deadlines apply.

(2) I am responsible for the following fees $14 per credit (Technology), one time $50 (Application), one time $200 (Matriculation), one-time $100 (Tk20), and the optional graduation regalia. These fees are subject to change.

(3) As a UMBC Graduate Student, I must maintain a 3.0 GPA or I may be subject to dismissal.

(4) If I receive an incomplete (I) in a course, I will work with the instructor and MAE Director to complete the coursework in a timely manner.

(5) If I receive a "D" or "F" (failing grade) for a course, I must retake the course in accordance with the UMBC Graduate School policies. No student may graduate with an unresolved "D", "F" or "I" in a required MAE course.

(6) If I need to interrupt my studies for any reason, I will inform the Academic Program Director.

(7) I am responsible to drop a course online through *my*UMBC and will be subject to the University guidelines for refunds.

Print Name: _____

Signature Required: _____

Date: _____

Thank you!

This form will remain on file in the
UMBC MAE Program Office, ACIV-A, Room 209, 1000 Hilltop Circle, Baltimore, MD 21250

UMBC
Master of Arts in Education
with a Concentration in
STEM Education
Online Program

Program includes 36 total credit hours
Non-thesis option
4-year option

Year 1

Semester	Spring 2020	Summer 2020	Fall 2020
Course Number	STEM 506	EDUC 772	STEM 533
Course Name	The Designed World	Assessment and Evaluation	Culturally Responsive Teaching in STEM

Year 2

Semester	Spring 2021	Summer 2021	Fall 2021
Course Number	EDUC 771	SCIE 504	STEM 509
Course Name	Research Designs in Education	The Environment	Environmental Engineering Design

Year 3

Semester	Spring 2022	Summer 2022	Fall 2022
Course Number	EDUC 795	EDUC 502	SCIE 534
Course Name	Seminar in the Study of Teaching	The Active Mathematics and Science Classroom	Experimental Design

Year 4

Semester	Spring 2023	Summer 2023	Fall 2023
Course Number	EDUC 781	STEM 550	EDUC 785
Course Name	Teacher Leadership	Emerging Technologies and Their Applications	Advanced Instructional Leadership Practicum