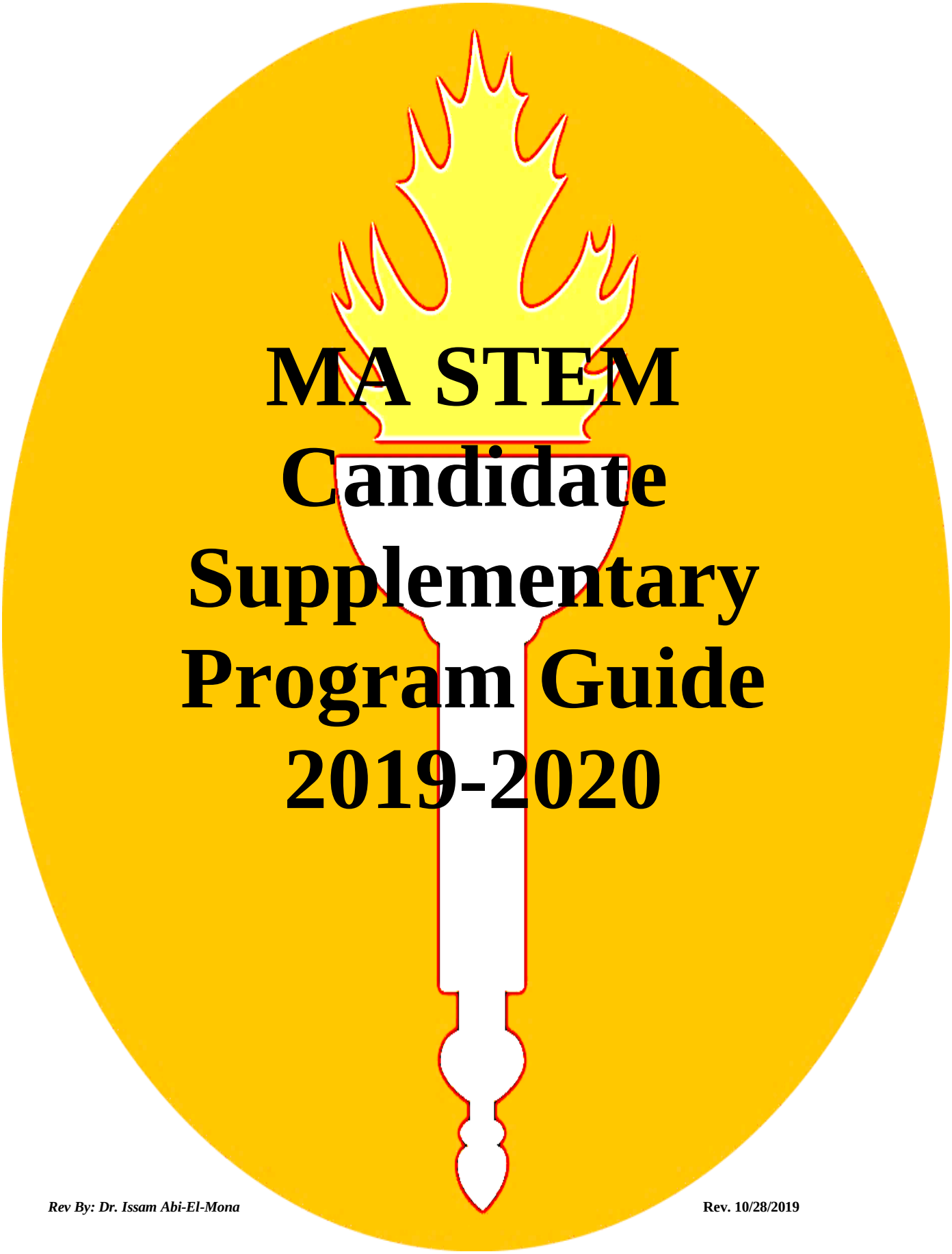

MA STEM Candidate Supplementary Program Guide 2019-2020

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Overview of Program

Welcome and congratulations on your entry into the MA STEM in Education program! The following will give you brief overview of what the program entails along with important deadlines that you need to be aware of for requirements towards the program and state certification. This is supplement document to the handbook.

The purpose of this program guide is to provide all native and transfer, students interested in pursuing K- 12 Science/ Math certification in the MA STEM program the requirements needed to accomplish a certification in the teaching of a Science (Physics, Biology or Chemistry) or Math. The following provide the candidate with benchmarks for program entry and completion along with general College of Education policies regarding this program, student responsibilities and general advisement information. Candidates are also provided with a sample Table (Table 1) that demonstrates possible program course sequence that can be targeted to help develop their content background for teaching middle and/ or high school Science/ Math. All the course taken are Education based courses that emphasize various aspects of pedagogical practices.

Entry Requirements:
If applying from a Combined Advanced Degree Pathway (CADP):

- Submission of Transfer & Transition Forms
- Proof of completion of BA requirements in the specific Science major or Math major demonstrating a coherent sequence of at least 30 credit hours of content specialization courses; 12 of which are at the 300 level or higher.
- Complete successfully the following three undergraduate required courses:
    - Educational Psychology or Characteristics of Knowledge Acquisition (or confirmed state equivalent)
    - Adolescent Psychology (or confirmed state equivalent)
    - Health & Wellness or Nutrition or Biology (human related preferable). If not completed see graduate advisor regarding alternative.
- Grades C- or better in any education courses. Required courses for entry into the MA in STEM Education program may only be attempted twice.
- Passing score on Praxis Core Academic Skills for Educators:
    - Reading Test (Test Code 5713) : Score of at least 156
    - Writing Test (Test Code 5723): Score of at least 162: and
    - Math Test (Test Code 5733): Score of at least 150
- Passing scores on relevant Praxis II exams.
- Submission of NJDOE Criminal Background check **by August 1st** prior to entry into Senior year
- Submission of clear TB test **by August 1st** prior to entry to Senior year. Mantoux (TB) Tests: School districts are now requiring current TB tests for all field placements. Please visit http://www.rowan.edu/colleges/education/ofe/mantoux.html for details.
- Completed Full-Year Residency application in the Tk20 system **(Between November 1- November 30 during senior year**)
    - *Note: Students will be placed in the 7 most southern NJ counties for their Clinical Practice Placement; Burlington, Camden, Gloucester, Atlantic, Cumberland, Salem and Cape May. No exceptions will be made..*

If applying to MA STEM with a BA/BS in science or math :

- **Candidates must hold a bachelor degree (BA/BS) showing clearly** a minimum of 30 credits in a coherent sequence in the specific subject area. A coherent sequence requires that **at**

least 12 credits are completed at the advanced level of study (300 level or above – junior, senior or graduate level).

- Cumulative Transcript GPA must be 3.0 (if between 2.75 and 3.0 – possibility of entry pending entry cohort average) with all undergraduate education courses **a C- or better**.
- All credits must appear on a regionally accredited college/university transcript as required by the New Jersey Department of Education.
- Complete successfully the following three undergraduate required courses or equivalents
  - Educational Psychology or Characteristics of Knowledge Acquisition (or confirmed state equivalent)
  - Adolescent Psychology (or confirmed state equivalent)
  - Health & Wellness or Nutrition or Biology (human related preferable
- Passing score on Praxis Core Academic Skills for Educators:
  - Reading Test (Test Code 5713) : Score of at least 156
  - Writing Test (Test Code 5723): Score of at least 162: and
  - Math Test (Test Code 5733): Score of at least 150
- Passing scores on relevant Praxis II exams.
- Submission of NJDOE Criminal Background check **by December 1st** prior to entry into program
- Submission of clear TB test **by December 1st** prior to entry into program. Mantoux (TB) Tests: School districts are now requiring current TB tests for all field placements. Please visit http://www.rowan.edu/colleges/education/ofe/mantoux.html for details.
- Completed Full-Year Residency application in the Tk20 system **(Between November 1-November 30 prior to entry into program**)
  - *Note: Students will be placed in the 7 most southern NJ counties for their Clinical Practice Placement; Burlington, Camden, Gloucester, Atlantic, Cumberland, Salem and Cape May. No exceptions will be made..*

Sustainability and Successful Completion:
To successfully stay in and graduate from the program you must ensure that you are in constant communication with your program advisor. Your program advisor is also the program coordinator so any academic or personal issues (scheduling, registration etc.…) must be addressed to that person. The coordinator and advisor for this year is Dr. Issam Abi-El-Mona (abi-el-mona@rowan.edu ; x4736 ; James Hall Rm 2042). The following are program completion requirements:

- Overall GPA of 3.0 or better *(nonnegotiable / non appealable) at exit of the program* with no course grade lower than B- and no *Incompletes.*.
- Meets minimum expectations on all signature assignments
- Successful submission and completion of NJDOE approved summative teacher performance project (edTPA). Cut score / passing score as determined by state.
- Final residency evaluation demonstrates "Basic" or higher on all Danielson Framework indicators and "Meets Expectations" or higher on all SPA addendum indicators as evidence by successful completion of STEM 60512 AND 60513
- Successful completion and recommendation for certification from, Rowan University Residency supervisor and Program Coordinator.
- No dispositional issues as reported during full residency and by instructors, advisors and supervisors.

Graduation and Certification:
Please note the completion and submission of both graduation and teaching certification applications. See dates listed on the Registrar's webpage at www.rowan.edu/Registrar . Students apply for graduation

electronically through banner self-service and apply for certification through the College of Education Advising Center (CEAC). A student can obtain a cert application through the College of Education Advising Center or online on the College of Education webpage. **It is important that these forms be submitted to the appropriate office by the printed deadline dates.** "Walking" papers are not a means to graduate. It is only a means to participate in the commencement ceremony. Go to www.rowan.edu/registrar (under forms) for the Commencement Participation Form and deadline/details (signatures are needed).Completed certification application with OCE at College of Education. Deadline: **January 15th -March 31st of graduate year.**

Essential Notes:

- Please note that required values and passing for GPA, all praxis exams and edTPA are non-negotiable and non- appealable
- *Incomplete or unscorable tasks on edTPA will/ may delay graduation and* certification
- *Should any personal circumstance intervene in your ability to complete the program then your re-entry into the program is pendent review by the program coordinator and Department Chair.*
- Please make sure that you also review the MA STEM handbook and use this as your reference particularly for your residency.

Financial Assistance:

If you require financial assistance throughout the program please check with your advisor and he/ she will share with you the options available.

Table 1: Proposed Course Sequence. Table demonstrates a sample of course sequence throughout the MA STEM program. Courses listed are courses that are taken in the program. Candidates who entered through a CADP track take the first 12 credits during their senior year. During the fall and spring terms, Science and Math method courses are separate so ensure that you are registering the course relevant to your subject area.

Year 1 **Entry point in May**	**Semester 1** **(Summer Semesters- 12 credits)**	**s.h.**
Courses that should normally be taken in the summer if entered as MA STEM CADP take these courses during the undergraduate senior year Fall/ Spring terms	READ 30520: Content Area Literacy	3
	*SMED 60.550: Schools & Society: Foundations for Secondary Teaching Free Elective	3
	*STEM 60510: Teaching STEM in Diverse Settings	3
	*STEM 60501: STEM Teaching & Research Methods I	3

Year 1	**Semester 2** **(Fall Semester- 9 credits)**	**s.h.**
Courses that should normally be taken in the Fall term for all candidates i.e. CADP included who are <u>SCIENCE</u>	STEM 60522: STEM Teaching & Research Methods: Science II	5
	*STEM 60512: STEM Education Residency I	1
	SELN 60576: Inclusive Instruction in STEM Classrooms	3

Year 1	**Semester 2** **(Fall Semester- 9 credits)**	**s.h.**
Courses that should normally be taken in the Fall term for all candidates i.e. CADP included who are <u>MATH</u>	STEM 60502: STEM Teaching & Research Methods: Math II	5
	*STEM 60512: STEM Education Residency I	1
	SELN 60576: Inclusive Instruction in STEM Classrooms	3

Year 1	Semester 3 (Spring Semester- 9 credits)	s.h.
Courses that should normally be taken in the Fall term for all candidates i.e. CADP included who are <u>SCIENCE</u>	STEM 60523: STEM Teaching & Research Methods: Science III	6
	*STEM 60513: STEM Education Residency II	3

Year 1	Semester 3 (Spring Semester- 9 credits)	s.h.
Courses that should normally be taken in the Fall term for all candidates i.e. CADP included who are <u>MATH</u>	STEM 60503: STEM Teaching & Research Methods: Science III	6
	*STEM 60513: STEM Education Residency II	3

Year 1	Semester 4 (Final Summer Semester-3 credits)	s.h.
Final course for completion of Masters program	STEM 60504: Professional Seminar for STEM Educators	3

Courses indicating field requirement