

## WHAT WILL THE TWO YEARS

### ACTUALLY LOOK LIKE?

Each course is a 4 credit course, with 45 contact hours. A minimum of 18 hours will be face-to-face, as determined by the instructor(s). Summer courses will schedule a start-up session in early June, then follow with face-to-face plus online meetings July through the 1st week in August. Semester classes will be held on the same day of the week (Wednesday).

#### SUMMER 2011:

- Language Development and Communication
- The Art of Engineering Design

#### FALL 2011:

- Number, Operations, and Representation

#### SPRING 2012:

- Poetry and Pattern in the Natural World of Science

#### SUMMER 2012:

- Research and Evaluation
- 21st Century Technology Tools for Teaching and Learning

#### FALL 2012:

- Examining the World through Data and Shape

#### SPRING 2013:

- A World Connected: Interdependence and Systems in Science

#### SUMMER 2013:

- Philosophy of Education and Teaching Practice
- Elective from one of these choices:
  - Developmental Patterns of Children with Special Needs
  - The Teaching of English as a Second Language
  - Literacy Instruction

*The 10th (elective) course may be taken at your convenience, since these courses are offered every semester*

Each course will have a product or project that will add to a multimedia portfolio. A research project begun in July 2012 will culminate in a research and portfolio presentation/oral comprehensive assessment in August 2013.

## PRACTICAL FAQS

- 1. AM I A GOOD CANDIDATE?** YES, if you are ready to improve your STEM content background and prepare for success in a 21st Century teaching and learning environment. YES, if you want to be more valuable to your colleagues as a STEM coach (short or long-term goal). YES, if you are part of a TEAM from the same school/ school district.
- 2. WHAT IS THE COHORT SIZE?** Participants will be limited to 25 students per course.
- 3. HOW DO I APPLY?** Framingham State University (FSU) has a rolling admissions process. Visit the FSU website at [www.framingham.edu](http://www.framingham.edu) and click "Admissions."
- 4. WHAT ARE THE PROGRAM COSTS?** Tuition, including all fees, is \$940/course through summer 2011. If your school district gives you a course reimbursement benefit, or has access to RTTT funds, you might ask school officials for sponsorship/support – as early as THIS academic year.
- 5. CAN I TRANSFER COURSES?** Yes, you may transfer up to two (2) approved graduate courses from another accredited college or university. Courses must have been completed with a grade of 'B' or better and earned no more than five (5) years prior to the date of admission to FSU. Exceptions may be made by the Graduate Admissions Committee. If you already hold a Master of Education from FSU and have taken the three Education core courses (Language Development and Communication, Philosophy of Education and Teaching Practice, and Research and Evaluation), you do not need to repeat them.

## MORE QUESTIONS?

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**Framingham**  
State University

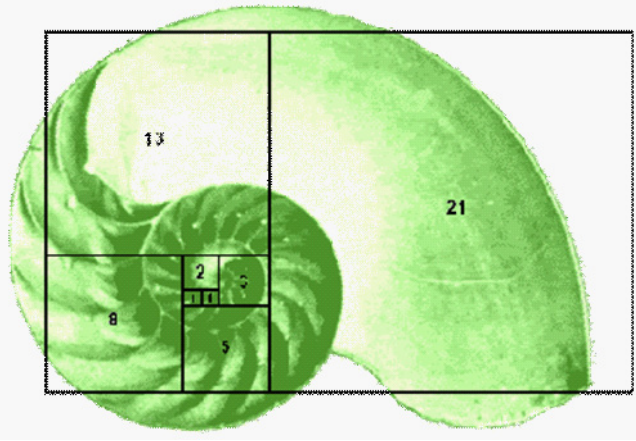
*Division of Graduate and  
Continuing Education*

**A 21ST CENTURY M.ED. WITH A STEM  
CONCENTRATION (SCIENCE,  
TECHNOLOGY, ENGINEERING  
AND MATHEMATICS) FOR  
TEACHERS IN GRADES 1 TO 6**

*The first cohort begins  
in July, 2011*

[www.framingham.edu](http://www.framingham.edu)

## A 21ST CENTURY M.ED. WITH A STEM CONCENTRATION FOR TEACHERS IN GRADES 1 TO 6



This new, two year program is designed for teachers who recognize the need for increasing their knowledge and comfort with science, technology, engineering, and math content, as well as the pedagogic skills necessary to create and support a 21st Century inquiry learning environment. The program will feature hybrid courses (both face-to-face and online interaction) that use global resources and model pedagogy that engages and includes all learners. Each course will simulate a genuine classroom where participants have a variety of opportunities to communicate, share, and link ideas, while taking on different roles and working with different teams over time. Readily available technology tools and applications will infuse each course.



### BIG PICTURE FAQs ABOUT THE PROGRAM

#### 1. WHO IS THE TARGET AUDIENCE FOR THIS PROGRAM?

Practicing teachers whose classrooms enable design and evaluation of projects as part of ongoing assignments and learning:

- Teachers who hold an initial Early Childhood or Elementary license, and seek professional licensure. This program will be a pathway to such licensure.
- Seasoned teachers who want to earn an additional M.Ed. and deepen their STEM background, but don't need professional licensure.
- Seasoned teachers who are ready to expand their STEM and 21st Century skill set so they might become formal or informal STEM leaders in their school or school district.
- Teacher teams – two or more from the same school or school district, so there is local support, and teamwork for implementation of new learning.

#### 2. WHAT IS EXCITING AND UNIQUE ABOUT THIS M.ED. PROGRAM?

- A team of content and education faculty, plus practitioners who understand why teaching STEM concepts is challenging and sometimes scary for Grade 1-6 teachers.
- Course syllabi that inform and connect the various courses through common vocabulary, ideas, pedagogy, and technology tools.
- Hybrid course structure that combines face-to-face and online work as a deliberate strategy to model a 21st Century learning environment.
- A cohort design that models the creation and evolution of a safe learning environment where participants can take risks as learners.

#### 3. HOW IS THE PROGRAM ORGANIZED?

- 10 courses – 9 prescribed, 1 elective choice (SPED 962 or TESL 936 or LTRC 907)
- 3 consecutive summers, with an introductory session in June
- 2 academic years
- 1 Saturday science field trip each spring