

**Motion for Adding, Modifying, or Dropping a Program  
Undergraduate Curriculum Committee  
Fontbonne University**

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**Title of Motion:** Add a *Minor in Mathematics for Middle School Educators*

**Date Submitted:** October 22, 2010

**Submitted By:** Nancy English

**Department/College:** Department of Mathematics and Computer Science

**Nature of Change:**  **Add New Program:**  **Modify Program:**  **Drop Program:**

**Major**

**Add a Minor**

**Concentration**

**Certificate**

**It is moved that the Department of Mathematics and Computer Science add a Minor in Mathematics for Middle School Educators that is specifically tailored for those students who are majoring in Middle School Education and are choosing mathematics as their single area of concentration.**

**Rationale/Evidence of Need. Include how this new program aligns with Fontbonne's mission and strategic plan.**

FGA recently passed a motion allowing those majoring in Middle School Education to concentrate on one single area of study, rather than two. If students were to select mathematics as their single area of concentration, then the number of credit hours required in mathematics would increase to such a number that would qualify these students to receive a minor in mathematics. However, all of the courses required for the current minor in mathematics would not necessarily best serve the needs of the Middle School Educator. Therefore, the Department of Mathematics and Computer Science would like to modify their current Minor in Mathematics to better serve these particular students. This minor would not be titled as a Minor in Mathematics; it would be titled as a *Minor in Mathematics for Middle School Educators*.

**Proposed Date of Implementation:** Spring 2011

**Projected Enrollment:** 1 – 3 students per year

**Financial Impact (describe/list projected amounts):** There should be no financial impact; all of the courses included in this minor are currently being offered.

- **Faculty**
- **New Library Holdings**
- **Equipment**
- **Audio-visual / software**

**Effect on currently enrolled students:** None

**Does the proposed program replace an existing one?** No

**New Program Objectives/Outcomes:** This Minor in Mathematics for Middle School Educators allows Middle School Educators to earn a minor in mathematics that is more tailored to their future teaching careers than the current Minor in Mathematics.

**Course Listings for New Program:**

List all courses required for the new program. Include course number/title and credit hours for each course. If new courses are being proposed, please complete the Motion to Modify, Add, or Drop a Course Form for each course.

These would be the courses that would be included within the *Minor in Mathematics for Middle School Educators*.

<b>Courses</b>	<b>Credits</b>
MTH 115 (Introduction to Statistics)	3
MTH 120 (Discrete Mathematics)	3
MTH 150 (Calculus with Analytic Geometry I)	4
MTH 300 (Modeling and Numerical Approximation)	3
MTH 305 (Readings in the History of Mathematics)	2
MTH 320 (Elements of Geometry)	3
MTH 330 (Algebraic Structures)	3
<b>Total credits:</b>	<b>21</b>

In addition to these 21 credit hours, students will, for certification purposes, be required to take MTH 360 (Teaching Mathematics in the Middle/Secondary Schools).

This minor differs from the *Minor in Mathematics* in that students would not be required to take these three courses:

MTH 151 (Calculus and Analytic Geometry II)	4
MTH 315 (Advanced Statistics)	3
MTH 316 (Non-Parametric Statistics)	3

Instead, they would be required to take these three courses:

MTH 300 (Modeling and Numerical Approximation)	3
MTH 305 (Readings in the History of Mathematics)	2
MTH 320 (Elements of Geometry)	3

**Does this new program affect another department/college?** X YES  NO  
**If yes, has this department/college approved of this new program?** Yes

**Additional information:**

If approved, distribute to the following:

X Catalog

X Registrar

Fontbonne Policy Manual Volume I

Advisors' Manual

Student Handbook

Part-time Faculty Manual

Staff Handbook

Other:

**Please note, all forms must be submitted to UCC by the Department Chair/College Dean.**