Department: Mathematics
Program Name: Mathematics-Liberal Arts
Program Level: Undergraduate
College: Arts and Sciences
Program: Minor
Submitted by: Kathy Tomlinson
Title: Department Chair
Contact: kathy.tomlinson@uwrf.edu
Submission Date: November 29, 2016

Program Outcomes
Outcome 1: Apply fundamental concepts of algebra, calculus and discrete mathematics to solve mathematical problems.
Outcome 2: Use mathematics from a single area to solve a mathematical problem.
Outcome 3: Present mathematical ideas clearly both orally and in writing.
Outcome 4: Utilize technology appropriately in solving mathematical problems.
Department: Mathematics

Program Name: Mathematics-Education-Early Adolescence-Adolescence

Program Level: Undergraduate

College: Arts and Sciences

Program: Minor

Submitted by: Kathy Tomlinson

Title: Department Chair

Contact: kathy.tomlinson@uwrf.edu

Submission Date: November 29, 2016

Program Outcomes

Outcome 1: Apply fundamental concepts of algebra, calculus and discrete mathematics to solve mathematical problems.

Outcome 2: Use mathematics from a single area to solve a mathematical problem.

Outcome 3: Present mathematical ideas clearly both orally and in writing.

Outcome 4: Present mathematical ideas using a variety of representations and models.

Outcome 5: Integrate emerging technologies into lesson plans and instructional activities.

Outcome 6: Use different instructional strategies to engage students in active learning.

Outcome 7: Utilize a variety of assessment methods (formative and summative) to assess student understanding.

Outcome 8: Find, modify, and use appropriate resources for teaching units.

Outcome 9: Develop and implement tasks and activities that emphasizes rigor and coherence, as defined in the Common Core Math Standards.

Outcome 10: Form an appreciation for mathematical habits of mind (CCSS - Mathematical Practice Standards) in themselves and be positioned to develop them with their students.
Department: Mathematics

Program Name: Mathematics-Education-Early Adolescence for Elementary Education Majors

Program Level: Undergraduate

College: Arts and Sciences

Program: Minor

Submitted by: Kathy Tomlinson

Title: Department Chair

Contact: kathy.tomlinson@uwrf.edu

Submission Date: November 29, 2016

Program Outcomes

Outcome 1: Apply fundamental concepts of algebra, calculus and discrete mathematics to solve mathematical problems.

Outcome 2: Use mathematics from a single area to solve a mathematical problem.

Outcome 3: Present mathematical ideas clearly both orally and in writing.

Outcome 4: Present mathematical ideas using a variety of representations and models.

Outcome 5: Utilize technology appropriately in solving mathematical problems.

Outcome 6: Develop and implement tasks and activities that emphasizes rigor and coherence, as defined in the Common Core Math Standards.

Outcome 7: Form an appreciation for mathematical habits of mind (CCSS - Mathematical Practice Standards) in themselves and be positioned to develop them with their students.
Department: Mathematics
Program Name: Mathematics-Business or Social Science
Program Level: Undergraduate
College: Arts and Sciences
Program: Minor
Submitted by: Kathy Tomlinson
Title: Department Chair
Contact: kathy.tomlinson@uwrf.edu
Submission Date: November 29, 2016

Program Outcomes

Outcome 1: Apply fundamental concepts of algebra, calculus and discrete mathematics to solve mathematical problems.

Outcome 2: Use mathematics from a single area to solve a mathematical problem.

Outcome 3: Present mathematical ideas clearly both orally and in writing.

Outcome 4: Utilize technology appropriately in solving mathematical problems.