

# Teaching Mathematics

This specialization consists of 18 Courses encompassing 53 Credit hrs. distributed as follows:

## I) Required Specialized Education Courses

This set includes four (4) courses encompassing 15 Credit Hours chosen from the following list

- EDUC 350M: Methods of Teaching Mathematics I
- EDUC 410M: Methods of Teaching Mathematics II
- EDUC 440M: Assessment and Evaluation in teaching Mathematics
- EDUC 485M: Practicum in Teaching Mathematics

## II) Required Subject Courses

This set includes twelve (12) courses encompassing 32 Credit Hours chosen from the following list

- 1) CHEM 130: Chemical Principles I
- 2) CHEM 130L: Introductory Chemistry Laboratory
- 3) MATH 200: Calculus II
- 4) MATH 205: Calculus III
- 5) MATH 210: Differential Equations
- 6) MATH 240: Mathematics Computer Applications I
- 7) MATH 250: Probability and Statistics
- 8) EDUC 290: Mathematics for Teacher
- 9) MATH 260: Numerical Analysis I
- 10) MATH 220: Linear Algebra I
- 11) PHYS 170: Fundamentals of Physics I
- 12) PHYS 170L: Introductory Physics Laboratory

## III) Elective Subject Courses

This set includes two (2) courses encompassing 6 credit hours chosen from the following list

- 1) MATH 120: Geometry and Trigonometry
- 2) MATH 204: Mathematics for Social Sciences II
- 3) MATH 215: Elementary Statistics for Social Sciences
- 4) MATH 305: Advanced Calculus
- 5) MATH 355: Statistical Inference
- 6) MATH 370: Discrete Mathematics
- 7) MATH 280: Mathematics Computer Applications II
- 8) MATH 390: Differential Equation II