

# Master of Education (M.Ed.) in Secondary Education - Mathematics

Name \_\_\_\_\_ ID# \_\_\_\_\_

Advisor \_\_\_\_\_

| Professional Core (12 cr)                     | Hrs | Term | Grade |
|---|-----|------|-------|
| EDUC 7010 Foundations of Public Education     | 3   |      |       |
| EDUC 7300 Conditions & Processes of Learning  | 3   |      |       |
| EDUC 7400 Methodology of Educational Research | 3   |      |       |
| Prof Core Elective _____                      | 3   |      |       |

| Teaching Field (15 cr)              | Hrs | Term | Grade |
|-------------------------------------|-----|------|-------|
| MATH 7710 Foundations of Algebra    | 3   |      |       |
| MATH 7711 Foundations of Statistics | 3   |      |       |
| MATH 7712 Foundations of Geometry   | 3   |      |       |
| MATH 7713 Foundations of Analysis   | 3   |      |       |
| MATH elective* _____                | 3   |      |       |

| Research Options - select A or B (9 cr)   | Hrs | Term | Grade |
|---|-----|------|-------|
| <b>Option A:</b>                          |     |      |       |
| EDUC 7420 Directed Study                  | 3   |      |       |
| Reading Elective                          | 3   |      |       |
| Reading Elective                          | 3   |      |       |
| <b>Option B:</b>                          |     |      |       |
| EDUC 741X and 741Y Thesis Option I and II | 6   |      |       |
| Elective _____                            | 3   |      |       |

| Professional Core Electives                           | Hrs |  |  |
|---|-----|--|--|
| EDUC 7040 Teacher and the Law                         | 3   |  |  |
| EDUC 7070 Computer Applications for Curr & Classroom  | 3   |  |  |
| EDUC 7080 Innovations in Parent, Family & School Coll | 3   |  |  |
| EDUC 7100 Design & Development Computer Based Instr   | 3   |  |  |
| EDUC 7110 Educational Computing & Lang Development    | 3   |  |  |
| EDUC 7150 Assessment & Mgmt of Classroom Problems     | 3   |  |  |
| EDUC 7510 Educational Measurement & Evaluation        | 3   |  |  |
| EDUC 7600 Problems in Producing & Utilizing Instr Mat | 3   |  |  |
| EDUC 7700 Growth & Development                        | 3   |  |  |
| EDSC/EDEC/EDMG 7900 Curriculum Planning/Trends        | 3   |  |  |

| Teaching Field Electives*                     | Hrs |  |  |
|---|-----|--|--|
| MATH 5511 Advanced Statistical Methods        | 3   |  |  |
| MATH 5522 Advanced Mathematical Modeling      | 3   |  |  |
| MATH 6618 Advanced Scientific Computation     | 3   |  |  |
| MATH 6619 Computational Geometry              | 3   |  |  |
| MATH 6620 Operations Research                 | 3   |  |  |
| MATH 6640 Partial Differential Equations      | 3   |  |  |
| MATH 6642 Complex Analysis                    | 3   |  |  |
| MATH 6675 Special Problems in Mathematics     | 3   |  |  |
| MATH 7715 Algebraic Geometry I                | 3   |  |  |
| MATH 7716 Algebraic Geometry II               | 3   |  |  |
| MATH 7790 History & Philosophy of Mathematics | 3   |  |  |

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