**Requirements for the Doctor of Philosophy Degree in**

**Mathematics Education**

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| 1. Core sequence. All of the following courses (12 credits)Category in GradPlan: **Core** | **Semester:**FSXX, SSXX or USXX |
| MTHE 926 Proseminar in Mathematics Education I |  |
| MTHE 927 Proseminar in Mathematics Education II |  |
| TE 950 Mathematical Ways of Knowing |  |
| MTHE 954 Design and Methods in Mathematics Education Research |  |
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| 2. Research Methods (9 credits)Category in GradPlan: **Methods Requirement** |  |
|  **Course Code & Number Title** |  |
| a. Quantitative: |  |
| b. Qualitative:  |  |
| c. Additional course: |  |
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| 3. Research Practicum (1 to 3 credits)Category in GradPlan: **Research Requirement** |  |
| MTHE 995 Research Practicum **Number of Credits**:  |  |
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| 4. Mathematics and Mathematical Knowledge for Teaching (12 credits)Category in GradPlan: **Major Field** |  |
| **Course Code & Number Title** |  |
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| 5. Area of Concentration (12 credits)Category in GradPlan: **Concentration** |  |
| List Area of Concentration, plus description:  |  |
| **Course Code & Number Title** |  |
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| Other coursesCategory in GradPlan: **Elective** or **Required** |  |
| **Course Code & Number Title** |  |
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