**Blended**

**Secondary Mathematics Concentration**

*Course Planning Document reflects the most likely scheduling.*

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| Student Name |  |
| NU ID |  |

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| **Date Completed** | **Task** |
|  | Figure out your *Plan of Study*. Meet with your advisor.   * Mockup your plan by highlighting the semester you’ll take each course **and** your course selections. |
|  | Meet with your advisor to finalize your *Plan of Study* after 12 Credit Hours.   * Any changes to this signed plan of study must be approved by your advisor and the TED Graduate Program Chair. |
|  | Must take a diversity course within the first 18 Credit Hours. |
|  | Update your grade sheet by entering the grades for the classes you have taken. Do this when you reach your final 6 credit hours. |
|  | Apply for graduation during your last class. |

* 850 (e.g., 851, 852, etc.) – “Online instruction” typically refers to instructors and students meeting synchronously using digital technology (eg: Zoom) at scheduled times throughout the semester. Typically, there are four synchronous virtual meetings. Please see the notes in the class search for virtual meeting dates and times.
* 860 (e.g., 861,862, etc.) – “Hybrid instruction” refers to a mix of in-person instruction and online instruction, with reduced contact time on campus. Class meets 4 times face-to-face. Please see the notes in the class search for virtual meeting dates and times.
* **One diversity course must be taken within the first 18 credit hours.**
* **Data-Driven Decision Making (TED 8050) or Intro to Research (TED 8010) should be taken the semester before capstone or within the last 9 hours.**
* **Capstone must be taken with 6 or fewer credit hours remaining.**

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| **Required Course** | |  | **Fall** | **Spring** | **Summer** | **Year** | **Grade** |
| TED 8900 | Secondary Capstone   * Exit Requirement - Must receive a B or better. Capstone must be taken with 6 or less credit hours remaining | 3 | hybrid | hybrid |  |  |  |
| **Research Course** (select one class below)  This class should be taken the semester before capstone  or within the last 9 hours. | |  |  |  |  |  |  |
| TED 8050 | Data-Driven Decision Making | 3 | online | online | online |  |  |
| TED 8010 | Intro to Research | 3 | online | online | online |  |  |
| **Assessment** | |  |  |  |  |  |  |
| TED 8250 | Assessment for Classroom Teachers | 3 |  | online | online |  |  |
| **Diversity Course** (select one class below) | |  |  |  |  |  |  |
| TED 8130 | Language, Culture, And Power | 3 |  |  | online |  |  |
| TED 8150 | Anti-Racism Education: Principles and Practices | 3 | hybrid |  |  |  |  |
| TED 8160 | English as a Second Language Strategies For PK-12 Educators | 3 | online |  |  |  |  |
| TED 8180 | Culturally Responsive Teaching | 3 |  | online |  |  |  |
| TED 8280 | Introduction to Human Rights in PK-12 Education | 3 |  | hybrid |  |  |  |
| TED 8290 | Trauma Informed Education | 3 | online |  |  |  |  |
| TED 8800 | Multicultural Literature for Children and Youth | 3 |  | online | online |  |  |
| TED 9200 | Critical Pedagogy: Teaching for Social Justice | 3 |  |  | online |  |  |
| **Technology Class** (select one class below) | |  |  |  |  |  |  |
| TED 8540 | Digital Citizenship | 3 | online | online | online |  |  |
| TED 8550 | Technology for Creative and Critical Thinking | 3 |  | online |  |  |  |
| TED 8560 | Technology for Diverse Learners | 3 |  | online |  |  |  |
| TED 8580 | Online Teaching and Learning | 3 |  |  | online |  |  |
| TED 8590 | Teaching and Learning in Digital Environments | 3 | online |  | online |  |  |
| **Concentration Courses**  Choose at most 21 hours from the following list. For a secondary math specialist certificate, 18 of the 21 hours must be selected from MTCH, MATH or STAT. | |  |  |  |  |  |  |
| TED 8370 | Data Visualization and Modeling for Educators (Or any graduate level course with the following prefixes: STEM / TED / MATH / STAT/ MTCH) | 3 | online |  |  |  |  |
| TED 8530 | Instructional Design Strategies for STEAM Educators (Or any graduate level course with the following prefixes: STEM / TED / MATH / STAT/ MTCH) | 3 |  | hybrid |  |  |  |
| TED 8640 | Open Educational Resources For PK-12 Teachers (Or any graduate level course with the following prefixes: STEM / TED / MATH / STAT/ MTCH) | 3 |  |  | online |  |  |
| TED 8720 | Instructional Coaching | 3 |  |  | online |  |  |
| TED 8840 | Engineering Education Externship | 3 |  |  | hybrid |  |  |
| TED 8860 | Invention Innovation Engineering Education | 3 |  | hybrid |  |  |  |
| MTCH 8020 | Math Modeling for H.S. Teachers | 3 |  |  | Face to Face  Even Summers |  |  |
| MTCH 8030 | Algebra for Algebra Teachers | 3 |  |  | Face to Face  Even Summers |  |  |
| MTCH 8040 | Topics in Math Computing (Thinking & Reasoning) | 3 |  |  | Face to Face  Odd Summers |  |  |
| STAT 8416 | Intro to Data Science | 3 | Face to Face  & online | Face to Face  & online |  |  |  |
| STAT 8426 | Data Visualization and Modeling for Educators | 3 | Face to Face  & online | Face to Face  & online |  |  |  |
| MATH 8756 | Intro. to Prob & Stats II | 3 | Face to Face | Face to Face |  |  |  |
| OTHER | MTCH 8880, MATH 8236 | 3 |  |  |  |  |  |
| **Total Credits:** |  | **36** |  |  |  |  |  |

**Transfer Credit**: (Official transcript for completed hours must be on file with the Office of Graduate Studies before plan of study is approved. Up to 12 credit hours may be transferred.)

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| **Course No.** | **Course Title & Institution** | **Grade** | **Hours** | **Semester** |
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Name:

NUID:

Address:

City, State, Zip:

Email:

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| **Program** | **Concentration** | **Endorsement** |
| Secondary Master’s | * Math |  |

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| **Student** |  | **Date** |  |  | **Graduate Program Chair** |  | **Date** |

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| **Advisor** |  | **Date** |  |  | **Department Chair** |  | **Date** |