**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. |

* 820 (e.g., 821, 822, etc.) – “Online instruction” typically refers to instructors and students meeting synchronously using digital technology (e.g. 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 two classes below) | |  |  |  |  |  |  |
| TED 8130 | Language, Culture, And Power | 3 | hybrid |  | online |  |  |
| TED 8150 | Anti-Racism Education: Principles and Practices | 3 | hybrid |  |  |  |  |
| TED 8160 | Multilingual 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 |  |  |  |
| 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 18 hours from the following list. For a secondary math specialist certificate, 18 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 8410 | Improvement of Instruction: Learning Progressions in K-8 Mathematics | 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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| **Program** | **Concentration** | **Endorsement** |
| Secondary Master’s | * Math |  |

**If pursuing an endorsement, please add the plan below.**

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

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| **Advisor** |  | **Date** |  |  |