**MIDDLE GRADES MATH**
**Bachelor of Education (B.Ed.)**
**2025-2026**

## Required Courses Inside Department: - 38 credit hours, including:
***Professional Education Courses (Pre-admission):*** – 6 credit hours, including:

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| ED 155 – Teaching, Learning, and Leadership (3) |
| ED 285 – Educational Psychology (3) |

***CORE Education Courses (Post-admission):*** – 30 credit hours, including:

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| ED 165 – Ed 1. Examining Teaching as a Profession (3) |
| ED 275 – Ed 2. Exploring Teaching as a Profession (3) |
| ED 295 – Ed 3. Experiencing Teaching as a Profession (3) |
| ED 395 – Ed 4. Extending Teaching as a Profession (3) |
| ED 302 – Teaching Exceptional Learners (3) |
| ED 354 – Curriculum and Assessment (3) |
| ED 415 – 5th-8th Grade Student Teaching (12) |

***Middle Grades STEM/Math Courses –*** 2 credit hours, including:

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| ED 319 – STEM Practicum I (1) |
| ED 321 – STEM Practicum II (1) |

## Required Courses Outside Department: – 36 credit hours, including:

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| MA 116 – College Algebra (3)* |
| MA 117 – Trigonometry (3) |
| MA 151 – Calculus & Analytic Geometry (5) |
| MA 140 – Statistics (3)* |
| MA 200 – Numbers and Operations for Elementary Teachers (3) |
| MA 201 – Geometry, Proportion, and Data Analysis for Elementary Teachers (3) |
| MA 204 – Number Theory and Discrete Math for Middle School Teachers (3) |
| MA 260 – Introduction to Number Theory (3) |
| MA 281 – History of Early Mathematics (1) |
| MA 320 – Mathematics for Middle School Teachers (3) |
| PY 211 – Adolescent Psychology (3)* |
| CN 150 – Public Speaking (3)* |

*Course is used as general education requirement in table below

| General education requirements for bachelor's degrees: 34-35 credits including: | | |
| --- | --- | --- |
| *Systemwide General Education (SGE)* | *Course* | *Planned/Completed Semester* |
| **English (6 hrs)** | | |
| | | |
| **Communications (3 hrs)** | CN 150 | |
| **Mathematics (3 hrs)** | MA 116 | |
| **Natural & Physical Sciences (4-5 hrs)** | | |
| **Arts & Humanities (6 hrs)\*\*** | | |
| | | |
| **Social & Behavioral Sciences (6 hrs)\*\*** | PY 211 | |
| | | |
| **Inclusion & Belonging (3 hrs)** | PY 100 | |
| **Scientific Reasoning (3 hrs)** | MA 140 | |

*\*\*Must be from different subjects (can't both be History, etc.)*

# Middle Grades Math—BEd

## First Year

| | Fall | | | Spring | |
|---|---|---|---|---|---|
| Number | Title | Hours | Number | Title | Hours |
| EN 101 | Introductory College Writing (SGE)[010] | 3 | ———— | Communications (SGE)[020] | 3 |
| ———— | Social & Behavioral Science (SGE)[050] | 3 | ———— | Arts & Humanities (SGE)[060] | 3 |
| MA 116 | College Algebra (SGE)[030] | 3 | MA 117 | Trigonometry [d] | 3 |
| WU 101 | The Washburn Experience | 3 | CN 150 | Public Speaking [d] | 3 |
| ED 155 | Teaching, Learning, & Leadership | 3 | ED 285 | Educational Psychology | 3 |
| **Total Hours** | | **15** | **Total Hours** | | **15** |

## Second Year

| | Fall | | | Spring | |
|---|---|---|---|---|---|
| Number | Title | Hours | Number | Title | Hours |
| EN 200 | Intermediate College Writing (SGE)[010] | 3 | MA 140 | Statistics [d] | 3 |
| MA 151 | Calculus & Analytic Geometry | 5 | MA 201 | Geometry, Proportions, & Data Analysis for Elementary Teachers | 3 |
| MA 200 | Number & Operation for Elem. Teachers | 3 | ED 295 | Experiencing Teaching as a Profession | 3 |
| ED 165 | Examining Teaching as a Profession | 3 | ED 395 | Extending Teaching as a Profession | 3 |
| ED 275 | Exploring Teaching as a Profession | 3 | ———— | Other University Course | 3 |
| **Total Hours** | | **15-17** | **Total Hours** | | **15** |

## Third Year

| | Fall | | | Spring | |
|---|---|---|---|---|---|
| Number | Title | Hours | Number | Title | Hours |
| ———— | Social & Behavioral Science (SGE)[050] | 3 | ———— | Natural & Physical Science (SGE)[040] | 4-5 |
| ———— | Scientific Reasoning (SGE)[070] | 3 | ———— | Arts & Humanities (SGE)[060] | 3 |
| MA 260 | Introduction to Number Theory | 3 | MA 204 | Number Theory & Discrete Math [c] | 3 |
| PY 211 | Adolescent Psychology [d] | 3 | MA 281 | History of Early Mathematics [c] | 1 |
| ED 302 | Teaching Exceptional Learners | 3 | ———— | Other University Course | 3 |
| **Total Hours** | | **15** | **Total Hours** | | **14-15** |

## Fourth Year

| | Fall | | | Spring | |
|---|---|---|---|---|---|
| Number | Title | Hours | Number | Title | Hours |
| ———— | Inclusion & Belonging (SGE)[070] | 3 | ED 321 | STEM Practicum II | 1 |
| MA 320 | Mathematics for Middle School Teachers [b] | 3 | ED 415 | 5th—8th Grade Student Teaching | 12 |
| ED 319 | STEM Practicum I | 1 | ———— | Other University Course | 3 |
| ED 354 | Curriculum and Assessment | 3 | | | |
| ———— | Other University Course | 3 | | | |
| **Total Hours** | | **13** | **Total Hours** | | **16** |

[a] Must be taken concurrently     [b] Offered in Fall only     [c] Offered in Spring only

[d] Course can satisfy general education requirement; see advisor

**Systemwide General Education (SGE) Key**
010 English
020 Communications
030 Math & Statistics
040 Natural & Physical Sciences
050 Social & Behavioral Sciences
060 Arts & Humanities
070 Institutionally Designated