

Middle Grades Teaching – Math/Science Concentration Four-Year Plan

<p>Freshman, 1st Semester TOTAL HOURS: 16</p> <ul style="list-style-type: none"> • Education Orientation- Student Success Seminar – EDO 100 • Educational Core- Culturally Responsive Perspectives – EDC 106 • Educational Studies- Educational Foundations – EDF 203 • Clinical Education- Clinical I: Introduction to the Education Profession – CED 100 • Special Education- Intro to Special Education – SED 104 • English- Reading, Writing and Rhetoric/ First Year Writing Seminar – ENG 101/1105 • Mathematics- MAT 112 + 	<p>Freshman, 2nd Semester TOTAL HOURS: 18</p> <ul style="list-style-type: none"> • English- Research, Writing and Rhetoric – ENG 102 • History- American Civilizations to 1877 – HIS 102 • Statistics- Probability and Statistics for Middle Grade Teachers – STA 230 • Biology- Inquiry Biology for Teachers –BIO 102 • Mathematics Education- Mathematical Concepts for P-9 1 – MAE 201 • Communication Studies- Intro to Human Communication/Public Speaking – CMS 100/210
<p>Sophomore, 1st Semester TOTAL HOURS: 15</p> <ul style="list-style-type: none"> • Educational Studies- Human Development and Learning – EDF 219 • Clinical Education- Clinical II: Understanding the Learner – CED 200 • Educational Studies- Emerging Instructional – EDF 204 • Mathematics Education- Mathematical Concepts for P-9 II – MAE 202 • Mathematics- Algebra – MAT 211 • Geography- Regions and Nations of the World – GEO 100/220 • Diverse Perspectives and Experiences – GE 6 • Physics- Inquiry Physics for MS Teachers – PHY 102 	<p>Sophomore, 2nd Semester TOTAL HOURS: 18</p> <ul style="list-style-type: none"> • General Education- Arts – GE 3A • General Education- Social Sciences – GE 5B • Astronomy- Introduction to Astronomy – AST 135 • Mathematics Education- Problem Solving and Technology – MAE 305 • Geology- Earth Science for Middle Grades Teachers – GLY 103 • Chemistry- Inquiry Chemistry for Middle School Teachers – CHE 100
<p>Junior, 1st Semester TOTAL HOURS: 18.5</p> <ul style="list-style-type: none"> • Elementary Middle Grade, and Secondary Education- Curriculum and Instructional Design – EMS 300W • Clinical Education- Clinical III: Curriculum an Instructional Design – CED 300 • Educational Core- Differentiation in Inclusive Classrooms – EDC 300 • Middle Grade Education- Foundations of Reading/Language – EMG 445 • Elementary and Middle Grade- Mathematical Concepts – EME 301 • Geography- Meteorology – GEO 315 or 115 	<p>Junior, 2nd Semester TOTAL HOURS: 18.5</p> <ul style="list-style-type: none"> • Clinical Education- Clinical IV: Diagnosis and Prescription – CED 400 • Educational Studies- Assessment in Education – EDF 413 • Elementary, Middle Grade, and Secondary Education- Classroom & Behavior Management – EMS 490 • Mathematics Education- Mathematical Concepts for p-9 – MAE 203 • Educational Core- Engineering in Classroom Context – EDC 314 • Mathematics- Mathematical Models and Applications – MAT 303 • General Education- Humanities - GE 3B

<p>Senior, 1st Semester TOTAL HOURS: 13</p> <ul style="list-style-type: none"> • Middle Grade Education- Disciplinary Literacy in Middle Grades – EMG 447 • Middle Grade Education- Mathematics in Middle Grades – EMG 491 • Middle Grade Education- Science in the Middle Grades – EMG 492 • Clinical Education- Clinical V: Practicing Teaching – CED 450 • Biology- Ecology for Teachers – BIO 590 	<p>Senior, 2nd Semester TOTAL HOURS: 12</p> <ul style="list-style-type: none"> • Clinical Education- Clinical VI: The Professional Semester (Student Teaching) – CED 499
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