



## Mathematics Education (Grades 6-12)

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_ Entry Year: \_\_\_\_\_

### Wesleyan Essentials

### Major and Professional Requirements

<p><b>Written Word</b> ENG 101 (3) _____ ENG 102 (3) _____</p>	<p><b>Major Requirements</b> MAT 181* Calculus I (4) MAT 182* Calculus II (4) MAT 221* Discrete Mathematics (3) MAT 241* History of Mathematics (3) MAT 283* Multi-Variable Calculus (4) MAT 299* Transition Advanced Mathematics (3) MAT 311* Mathematical Statistics I (3) MAT 351* Linear Algebra (3) MAT 361* Introduction to Geometry (3) MAT 371 Ordinary Differential Equations (3) MAT 411* Introduction to Modern Algebra (3) MAT 464* Mathematics Seminar (1) MAT 465* Senior Paper (1)</p> <p><b>Professional Education Courses</b> EDU 110 Intro to Teaching (3) EDU 201* Educational Psychology (3) EDU 225 Cultural Geography for Teachers (3) EDU 230 Instructional Technology (1)</p> <p><b>Must be admitted to the Teacher Education Program to continue with these courses:</b> EDU 320 Survey of Exceptional Children (3) EDU 355 Literacy in the Content Areas (3) EDU 385 Methods of Teaching Secondary (3) EDU 419 Classroom Management (3) EDU 423 Measurement and Evaluation (3) EDU 451 Practicum in Secondary Education (3) EDU 474 Student Teaching Seminar I (2)</p> <p><b>Must be recommended for Student Teaching:</b> EDU 455 Student Teaching in Grades 6-12 (12) EDU 475 Student Teaching Seminar II (3)</p> <p>*denotes pre-requisites ^120 hours minimum needed for graduation</p>
<p><b>Spoken Word</b> FRE or SPA or BUS 315 or ENG 321 or SPE 101 (3) _____  ENG 322 (3) _____</p>	
<p><b>Artist's Expression</b> Choose from two separate disciplines: Art, Literature, Music, or Theater (3) _____  COM 200 (3) _____</p>	
<p><b>Western Heritage</b> REL _____ (3) _____ HIS 151 or HIS 152 or HIS 101 or HIS 102 (3) _____ HIS, PHI, or REL _____ (3) _____</p>	
<p><b>Cultural Diversity</b> Choose from two separate disciplines: EDU 225 Cultural Geography for Teachers (3) _____ _____ (3) _____</p>	
<p><b>Scientific Perspectives</b> MAT 132 (3) _____ BIO or CHE or PHY (4) _____</p>	
<p><b>Societal Perspectives</b> Choose from any academic that meets the Social Perspective criteria: _____ (3) _____ PSY 101 (3) _____</p>	
<p><b>First Year Experience/Seminar</b> TWU 101 (2) _____ TWU 102 (1) _____</p>	

### The Bulldog Connection

- TWU 101/102
- Cultural Diversity Courses (2) EDU 225 and \_\_\_\_\_
- Major Embedded High Impact Course: EDU 419
- Capstone Course: EDU 475