

















2013 - 2014 Major Map



Secondary Education (Mathematics), BAE



School/College: Mary Lou Fulton Teachers College
 TEMATBAE



Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	<ul style="list-style-type: none"> • An SAT, ACT, Accuplacer, or TOEFL score determines placement into First-Year Composition courses • ASU Math Placement Exam score determines placement into Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
 TEL 101: The Teachers College Experience	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H) (HST 109 recommended)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Term hours subtotal:	15		
Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ACO 101: Introduction to Computer Science (CS) OR CSE 100:  Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS) OR CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
 Natural Science - Quantitative (SQ)	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Milestone: Intent to Progress Online Form. Complete Mathematics (MA) requirement.			
Term hours subtotal:	17		
Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	

MAT 300: Mathematical Structures (L)	3	C
MAT 310: Introduction to Geometry	3	C
STP 420: Introductory Applied Statistics (CS)	3	C
Elective	3	
 Milestone: Must attend an iTeachAZ Enrollment Workshop		
Milestone: DPS Fingerprint Clearance Card.		
Term hours subtotal:	15	

- Must complete at least 60 credits including foundational coursework to progress into iTeachAZ.
- Must have 2.5 GPA to progress into iTeachAZ program.

Term 5 63 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SED 396: Field Experience I	1	Y	
EDP 313: Childhood and Adolescence (SB)	3	C	
MAT 342: Linear Algebra	3	C	
MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I	3	C	
SED 464: Middle-School Curr/Org	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SED 397: Field Experience II	1	Y	
MAT 411: History and Philosophy of Mathematics (HU & H) OR MTE 483: Mathematics in the Secondary School	3	C	
MTE 482: Methods of Teaching Mathematics in Secondary School	3	C	
PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3		
RDG 323: Literacy Processes in Content Areas	3	C	
SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 95 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SED 496: Field Experience III	1	Y	
BLE 407: SEI for Secondary Students	3	C	
MAT 443: Introduction to Abstract Algebra OR MAT 445: Theory of Numbers OR MAT 447: Cryptography	3	C	
MTE 485: Teaching Standards-Based Middle and High School Mathematics	3	C	
SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SED 478: Student Teaching in the Secondary School	12	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed next to courses on the major map were valid for the 2013 - 2014 academic year. Please refer to the course catalog for current General Studies designations at time of class registration. General Studies credit is applied according to the designation the course carries at the time the class is taken.