B. S. MATHEMATIO		Student				ions Evaluation of T	
Secondary Ed. Certification (7-12)			OX	_	Entering Dateday/eve/full/part-time		
					Previous Scho	ol(s)	
I General Education	Requirements (40	S.H. plus HPX)*					
Communication S					Number	Title	Credit
◆COM 160, 161,	162 or 163			3			
◆Has completed of	one Writing Intensiv	ve Course	Yes	No			
	.H. minimum includ					age Requirement met	
		ourse accepted toward			High School E	xemption Yes	No
		nistic Studies, Literatu	re,				
Philosophy, Weste	rn History, Commu	nication)					
Fine/Applied Arts		77 or	_	3			
♦HIS 148 Americ	can History: To 187	17 or					
HIS 149 Ame	rican History: Since	e 18//		3			
				3			
				3			
	101			3			
		H. minimum, includin					
		chology, Social Science	ce)	2			
◆PSY 100	Introduction to Psyc	nology		3			
				3 3			
				3			
Natural Sciences	& Mathematics (1)	OSH minimum)	_	3			
◆MAT 222 Introd		<i>3.</i> 11. IIIIIIIIIIII)		3			
Lab. Sci.	idetory Statistics		3, or	4			
	ction to Programmi	 nσ	3, 01	3			
	1 & Exercise Scien			3			
HPX 177 Fitness f		ces (2 5.11.)		2			
II. MAJOR REQUIR)					
	ath Seminar I and II			1			
	undational Discrete			3			
		T 182 Calculus I, II	(4-4)	8			
	oofs	,	` /	3			
	undations of Geome	etry		3			
	roduction to Linear			3			
	pics in Geometry	<u> </u>		3			
	gebraic Structures			3			
▼ 1/11 3 1 3 1 1 1 1							
One course from				3			
One course from MAT 250 Ma	the following: athematical Modelir			3			
One course from MAT 250 Ma MAT 251 Po	the following: athematical Modelir	oblems in Mathematic	es	3			

*General education requirements at Western total 42 semester hours. In some instances, work toward a major program partially fulfills general education requirements. The remaining general education requirements for this program are shown above.

6/26/06, 6/09, 6/25/09, 5/12, 9/13

+Minimum of 125 S.H. and a 3.0 GPA for B.S. Degree

Two courses from the following

Calculus III

Math in the Middle Grades

History of Mathematics

Introduction to Analysis

MAT 281

MAT 212 MAT 263

MAT 383

^{**}MAT 171 is a substitute for MAT 181 if MAT 170 was also taken.

B.S. Secondary Ed Mathematics

Approved List of Electives

◆EPY

204

MAT	185	Introduction to Symbolic Computations	MAT	299	Student Developed Study
MAT	212	Mathematics in the Middle Grade	MAT	332	Introduction to Applied Mathematics
MAT	250	Mathematical Modeling	MAT	351	Independent Study
MAT	251	Posing & Solving Programs in Mathematics	MAT	359	Introduction to the Theory of Computation
MAT	282	Ordinary Differential Equations	MAT	363	History of Mathematics
MAT	298	Faculty Developed Study	MAT	383	Introduction to Mathematical Analysis
			MAT	467	Topics in Mathematics

Secondary Education Certification

Students must maintain a minimum G.P.A. of 3.0 Grades from other institutions will be used to calculate the cumulative G.P.A. for admission to and retention in the education program. WCSU graduation requires a minimum 3.0 G.P.A. on WCSU coursework.

This major may be selected by a student seeking a secondary education teaching certificate.

Formal admission into this Secondary Education Program by the Education Department is required. A student will earn a Bachelor of Science degree. A minimum of 125 semester hours is required for a B.S. degree. Passing Praxis I (or a waiver) is required before admittance to the Secondary Education Program will be granted. Although not a requirement for graduation, passing scores on the appropriate Praxis II exam(s) are necessary for program completion and subsequent recommendation for certification.

Secondary Education Certification Requirements (35 S.H.)

3_

♦◆ED	206	Introduction to Education	3
♦ ♦HPX	215	Health Issues in the School	3
Professiona	l Semester		
♦ ◆EPY	405	Introduction to Special Education	3
♦♦ED	385	Methods of Teaching in Secondary Schools	3
♦♦ED	386	Secondary Professional Development School Experience	1
♦♦ED	440	Integrating Language	3
♦◆ED	449	Teaching Math in Secondary Schools	3
Student Tea	ching (13	S.H. Spring Semester Only)	
ED/MED 3	ED/MED 340 Assessment of Teaching Strategies		1
ED 342		Student Teaching	12

Adolescent Development in School Setting (Prereq: PSY 100,

◆A minimum grade of "C" is required in each of these courses.

◆◆A minimum grade of "B" is required in each of these courses.

6/26/06, 6/09, 6/25/09, 5/12, 9/13