

Mathematics Education Time Line

Advising Tool Only

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WSU document

Year One		Year Two		Year Three		Year Four		
Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester	
G1: ENG 111 ¹ (4) G4: MATH 212 (4) MATH 247 (3) HERS 204 (3) OR 100 (1)	G1: CMST 191 ² (3) G4: MATH 213 (4) MATH 242 (4) G5/7: HIST151/SOC 150 (3) G9: CHOICE! (3)	MATH 327 (4) MATH 312 (4) G4: STAT 210 (3) G5/6: HIST 120 (3) G3/8: CHM 100 (3)	STAT 310 (3) MATH 337 (3) EDFD 401 (2) EDFD 461 ³ (2) SPED 300⁴ (3) G6: Fine Arts (3)	EDFD 441 (3) EDFD 421 (1)⁵ MATH 204 (3) MATH 304 (3) G3/10: CHM 107/8 (4)	EDUC 429 (3) EDFD 449 (3)⁶ MATH 308 (4) MATH 307(3) MATH 347(3)	MATH 117 (4) ⁷ EDFD 459 (3) EDFD 462 (1)⁸ G5/6: HIST 150 (3) MATH 306 (3)	EDST 465 (12) (Student Teaching)	
Pass NES or ACT+Writing Tests + 15 Hours Clinical		Apply for Admission to Department of Education ⁹		Apply for Student Teaching		Take MTLE 2 Content & Pedagogy in order to qualify for licensure.		Apply for Graduation
Note: Number in () corresponds to the number of S.H.								

Courses which are ***bold, italic*** have associated field experiences. Courses which are in **blue** must be taken as in the same semester.

¹ ENG 111 cannot be taken during the semester in which you apply to the Education Program; you must take it at least one semester before you apply and receive a grade of B or above.

² CMST 191 cannot be taken during the semester in which you apply to the Education Program; you must take it at least one semester before you apply and receive a grade of B or above.

³ Must be admitted to Education Unit; First semester in the Professional Education Sequence. Students will be assigned to sections of these courses. EDFD 401 and EDFD 461 must be taken concurrently. Clinicals (401 = 10 hrs; 461 = 10 hrs).

⁴ Not required for admission to the Department of Education, but it is required for the completion of the program. Cannot register until you have complete 30 S.H.

⁵ Designed to be taken after Semester 1. EDFD 441 and EDFD 421 must be taken concurrently. Clinicals (420/421 = 10 hrs; 440/441 = 20 hrs).

⁶ Prefer that EDUC 449 and EDUC 429 be taken concurrently but not required. Either course can be taken anytime after EDFD 441/421 in the professional education sequence. Clinicals (EDFD 449 = 30 hrs; EDUC 429 = 10 hrs)

⁷ Preferably taken close to student teaching, as the pedagogical elements are excellent preparation for teaching secondary school.

⁸ Taken in semester prior to Student Teaching. EDFD 459 and EDFD 462 must be taken concurrently.

⁹ See <http://www.winona.edu/teacheread/admission.asp> for the latest criteria. To be accepted into the Education Program, the Department of Education requires, *at a minimum*, that you have: 1) completed online application form; 2) earned at least 30 SH; 3) a cumulative GPA of 2.75; 4) grade of "B" or better in ENG 111 and CMST 191 and have completed them before the semester in which you apply; 5) a grade of "C" or better in MATH 100 or higher; 6) Meet minimum score on NES or ACT + Writing; 7) complete 15 hours of clinical experience; 8) transfer students must have a credit evaluation prepared by WSU Admissions Office. You are then ranked according to your GPA and your grades in ENG 111, CMST 191, and your basic skills MATH class. If you are ranked among the top 60 applicants for that semester, you will be granted admission into the program.

RED=Course offered Fall Semester only; GREEN=Course offered Spring semester only; BLUE=Courses must be taken in the same semester

Sequence of Professional Education Coursework

These three course can be taken prior to admission to the Teacher Education Program

Courses		Credits	Comments
EDFD 100	Introductory Education Field Experience	0	This course is an option available to fulfill 15 clinical hours to meet Education Admission requirements.
HERS 204	Personal and Community Health	3	Suggested to take during Freshman Year
SPED 300	Children and Youth With Exceptionalities	3	Must have completed 30 credits to register for this course

Professional Education Sequence; Must be admitted to Program to take the courses listed below

Courses		Credits	Comments
Theme 1: Child Study			
EDFD 400/401	Human Development & Learning	2	Must be admitted to Education Unit; First semester in the Professional Education Sequence. Students will be assigned to sections of these courses. EDFD 400 and EDFD 460 must be taken concurrently. EDFD 401 and EDFD 461 must be taken concurrently. Clinicals (400/401 = 10 hrs; 460/461 = 10 hrs)
EDFD 460/461	Multicultural Youth, Children, and Families, Part I	2	
Theme 2 Curriculum Study			
EDFD 440/441	Curriculum, Instruction, and Assessment	3	Designed to be taken after Sem. 1. EDFD 440 and EDFD 420 must be taken concurrently; EDFD 441 and EDFD 421 must be taken concurrently. Clinicals (420/421 = 10 hrs; 440/441 = 20 hrs).
EDFD 420/421	Classroom Management	1	
Theme 3 Issues Study			
EDFD 459	Professional Educator	3	Taken in semester prior to Student Teaching. EDFD 459 and EDFD 462 must be taken concurrently.
EDFD 462	Multicultural Youth, Children, and Families, Part II	1	

Additional required courses for K-12, Middle Level, and 5-12 education majors taken after admission

Courses		Credits	Comments
EDFD 449	Middle School Philosophy and Organization	3	Prefer taken concurrently but not required. Either course can be taken anytime after Theme 2 in the professional education sequence. Clinicals (EDFD 449 = 30 hrs; EDUC 429 = 10 hrs)
EDUC 429	Secondary Reading and Teaching Strategies	3	
	Total course credits	24	
Final Semester			
EDST 460	Student Teaching/Clinical	12	Completed all coursework required for major/minor
	Total credits	36	

In addition to the Professional Education Sequence outlined above, students are required to complete the teaching major courses within their own discipline.

____ Minor _____		Date Admitted to Major Program _____			Phone (_____) _____ - _____						
MNTC General Education Courses [40 S.H.]		S.H.	Degree Requirements		S.H.	Offered	Professional Education Sequence		Cnl. Hrs.	S.H.	
Goal 1: Communication (6-7 S.H.)			Mathematics [48 S.H.]				HERS [3 S.H.]				
ENG 111 (4)	4		117 Precalculus with Modeling	4	B	204 HERS		0	3		
CMST 191 (3)	3		204 Technology-Based Geometry	3	B	SPED [3 S.H.]					
Goal 2: Critical Thinking			212 Calculus I	0	B	300 Children and Youth with Exceptionalities		30	3		
Met with completion of MnTC	0		213 Calculus II	0	B	EDFD [16 S.H.]					
Goal 3: Natural Science (7 S.H.)			242 Linear Algebra	4	B	*401 Human Development & Learning		40	2		
1) CHEM 107 or 108 (4)	4		247 Discrete Mathematics	3	B	*461 Multicultural Youth, Child., Fam. Part I			2		
2) CHEM 100 (3)	3		*304 Tchg Math in the Middle School	3	B	**421 Classroom Management		40	1		
Goal 4: Mathematics/Logical Reasoning (3-4 S.H.)			*306 Tchg Math in the Sec. Schools	3	S	**441 Curriculum, Instruction, & Assessment			3		
1) MATH 212 (4) (Completed for Major)	4		307 History of Math	3	S	***459 Professional Educator		0	3		
2) MATH 213 (4) (Completed for Major)	4		308 Modern Geometry	4	S	***462 Multicultural Youth, Child., Fam. Part II			1		
3) STAT 210 (3) (Completed for Major)	3		312 Multivariable Calculus	4	B	****429 Sec. Reading & Teaching Strategies		10	3		
Goal 5: History/Social and Behavioral Sci. (9 S.H.)			327 Disc. Mathematics & Found.	4	B	****449 Middle School Philosophy & Organization		30	3		
1) HIST 151 (3) or SOC 150 (3)	3		337 Probability	3	S	EDST [15 S.H.]					
2) HIST 150 (3)	3		347 Number Theory	3	S	465 Student Teaching			12		
3) HIST 120	3		Statistics [3 S.H.]								
Goal 6: Humanities and Fine Arts (9 S.H.)			210 Statistics	0	B						
1) HIST 150 (3)	0		310 Intermediate Statistics	3	B	*Classes with same number of stars must be taken concurrently.					
2) HIST 120	0		*Field experience (variable number of hours) required.								
3) Fine Arts	3										
Goal 7: Human Diversity (3 S.H.)			F=Fall Semester, S=Spring Semester, B=Both, AF=Alternating Fall, AS=Alternating Spring			[36 S.H.] SUBTOTAL=		36			
1) HIST 151 (3) or SOC 150 (3)	0										
Goal 8: Global Perspectives (3 S.H.)											
1) CHEM 100 (3)	0										
Goal 9: Ethic and Civic Responsibility (3 S.H.)											
1)	3										
Goal 10: People and the Environment (3 S.H.)											
1) CHEM 108 (4)	0										
[48-50 S.H.] SUBTOTAL=		40				[53 S.H.] SUBTOTAL=		44	University Studies Subtotal=		40
									Specialty Core Requirements=		44
						Professional Ed. Seq. Subtotal=		36			
						TOTAL CREDITS=		120			