

ACADEMIC COURSE SEQUENCE

Math Education (Grades 5-Adult)

FIRST SEMESTER					
Grade	Sem.	Course	Credit Hours	Prerequisites	Additional Requirements
		EDUCATION 200: FOUNDATIONS OF EDUCATION or EDUCATION 290 (IF EDUC 200 WAS COMPLETED AT ANOTHER UNIVERSITY.)	3		Disposition Assessment Praxis I Requirements PDU/A-5
		MATH 103: PROBLEM SOLVING AND NUMBER SENSE	3	ACT Math - 19	
		MATH 120 COLLEGE ALGEBRA OR MATH 121 (Pre-Calculus)	3-4	ACT Math - 21	
		ENGLISH 101: ENGLISH COMPOSITION	3		
		GENERAL EDUCATION 101	3		
		ARTS: ART 101, COMM 170 or MUSIC 107	3		Gen. Ed. Requirement
		TOTAL	18-19		
SECOND SEMESTER					
Grade	Sem.	Course	Credit Hours	Prerequisites	Additional Requirements
		EDUCATION 201: HUMAN GROWTH AND DEVELOPMENT	3	EDUC 200 with grade of C or higher	15 hrs. Field Experience Meet Class Requirements for Praxis I, PDU's and A-5
		SCIENTIFIC REASONING (Gen. Ed. Requirement)	3-4		Refer to page 3
		ENGLISH 102: ENGLISH COMPOSITION II	3	Eng. 101	
		WELLNESS: HHP 122 or 157	2		Gen. Ed. Requirement
		MATH 102: PLANE TRIGONOMETRY	3	Math 120 or ACT-23	
		GEN ED (HUMANITIES)	3		
		TOTAL	17-18		
THIRD SEMESTER					
Grade	Sem.	Course	Credit Hours	Prerequisites	Additional Requirements
		EDUCATION 202: EDUCATIONAL PSYCHOLOGY AND LEARNING (Must apply for candidacy with passing scores on Praxis I or exemption by ACT or SAT scores) DEADLINES: October 1 to be admitted during the Spring Semester March 1 to be admitted during the Fall Semester	3	EDUC 201 with grade of C or higher	25 hrs. Field Experience Meet Class Requirements for Praxis I, PDU's and A-5
		EDUCATION 227: EXCEPTIONALITIES AND DIVERSITY	3	EDUC 201	Must be taken concurrently with EDUC 202
		CS 101: PROGRAMMING FUNDAMENTALS	3		
		NATURAL SCIENCE (Gen. Ed. Requirement)	3-4		Refer to page 3
		MATH 205: DISCRETE MATH (Fall only)	3	Math 120 and CS 101	
		MATH 206: ANALYTIC GEOMETRY AND CALCULUS I	4	Math 120 and 102 or Math 121	
		TOTAL	19-20		
FOURTH SEMESTER					
Grade	Sem.	Course	Credit Hours	Prerequisites	Additional Requirements
		EDUCATION 316: INTEGRATED METHODS (Must take PLT before end of semester)	4	Admission to Candidacy	Disposition Assessment 45 hrs. Field Experience
		EDUCATION 300: EDUCATIONAL TECHNOLOGY	3	Admission to Candidacy	
		HISTORY 201, 202, 207, or 208	3		Gen. Ed. Requirement
		MATH 207: ANALYTIC GEOMETRY AND CALCULUS II	4	Math 206	
		COMMUNICATIONS 100: SPEECH COMMUNICATIONS	3		
		TOTAL	17		

Pg. 1 Effective Fall Semester 2021: All candidates must complete courses as outlined on the Academic Course Sequence. All secondary candidates must meet with the Content Advisor and the Education Advisor each semester before selecting and scheduling courses.
NOTE: Grades lower than a "C" will not be accepted as credit for degree completion. (PW. 6.2021)

ACADEMIC COURSE SEQUENCE

Math Education (Grades 5-Adult)

FIFTH SEMESTER					
Grade	Sem.	Course	Credit Hours	Prerequisites	Additional Requirements
		EDUCATION 319: CONTENT AREA LITERACY	3	EDUC 316	30 hours Field Experience
		EDUCATION 331: CURRICULUM FOR SPECIAL EDUCATION	3	EDUC 316	30 hrs. Field Experience
		MATH 208: ANALYTIC GEOMETRY AND CALCULUS III	4	Math 207	
		MATH 300: INTRODUCTION TO COLLEGE GEOMETRY (Fall)	3	Math 207	
		MATH 307: LINEAR ALGEBRA	3	Math 207	
		TOTAL	16		
SIXTH SEMESTER					
Grade	Sem.	Course	Credit Hours	Prerequisites	Additional Requirements
		MATH 308: INTRO. TO MODERN ABSTRACT ALGEBRA (Fall in even numbered years)	3	Math 208	
		MATH 309: INTRO. TO HISTORY OF MATH	4	Math 205 and 207	
		MATH 411: TEACHING OF MATH IN SECONDARY AND MIDDLE SCHOOLS	3		Gen. Ed. Requirement
		MATH 408: SENIOR MATH SEMINAR (Spring)	2		
		MATH 222: ELEM. STAT. FOR MATH & NATURAL SCIENCE	3		
		TOTAL	15		Must apply for admission to CAPSTONE)
		<u>DEADLINES TO APPLY FOR CAPSTONE ADMISSION:</u> October 1 to be admitted during the Spring Semester March 1 to be admitted during the Fall Semester			
SEVENTH SEMESTER					
Grade	Sem.	Course	Credit Hours	Prerequisites	Additional Requirements
		EDUCATION 299: RESIDENCY I (COMPLETION OF A MINIMUM OF 14 WEEKS AND COMPLETION OF A MINIMUM OF 250 HOURS FIELD EXPERIENCE)	9		Daily participation in assigned classroom with Cooperating Resident Teacher
		EDUCATION 426: CREATING LEARNING ENVIRONMENTS	3	Full Admission to Capstone Phase	50 hrs. Field Experience
		TOTAL (will need to take electives if Promise Scholar)	12		
		TOTAL (will need to take electives if Promise Scholar)			
Grade	Sem.	Course	Credit Hours	Prerequisites	Additional Requirements
		EDUCATION 480: RESIDENCY II – REQUIRES COMPLETION OF A MINIMUM OF 14 WEEKS AND 500 HOURS.	15		Passing scores on Praxis Content Minimum 14 Weeks Minimum 500 hours
					Only three-hour credit course may be taken during Residency II. It must be an evening course or 100% online course and may not be scheduled during the hours in which the residency occurs.
		TOTAL	15		

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General Education Requirements

(REV. 6. 2021)

Math Education (5-Adult)

Name _____ A# _____

Home Address _____

Cell Phone _____ WVSU Email _____

Education Advisor _____ Content Advisor _____

<p>ARTS (3 credits)</p> <p>Art 101: Studio I – Introduction to Art Comm 170: The Art of the Theater Music 107: Appreciation of Music</p>	<p>HUMANITIES (3 credits)</p> <p>Art 100: Art Appreciation Comm 140: Film Appreciation Music 104: American Music: A Panorama</p>
<p>INTERNATIONAL PERSPECTIVES (3 credits)</p> <p>Education 319: Content Area Literacy</p>	<p>HISTORY (3 credits)</p> <p>History 201 or 202 (World History) History 207 (American History to 1865) History 208 (American History from 1865)</p>
<p>SOCIAL SCIENCE (3 credits)</p> <p>Education 201: Human Growth and Development</p>	<p>WELLNESS (2 credits)</p> <p>HHP 122: Fitness for Living (2 cr.) HHP 157: Health Living (2 cr.)</p>
<p>NATURAL SCIENCE (3-4 credits)</p> <p>Biology 101: Principles of Biology (4 cr.) Biology 101H: Principles of Biology-Honors (4 cr.) Biology 108: Environmental Biology (4 cr.) Biology 110: Economic Biology (4 cr.) Biology 120: Fundamentals of Biology (4 cr.) Chemistry 100: Consumer Chemistry (3 cr.) Chemistry 100H: Consumer Chemistry-Honors (3 cr.) Physics 101: Physical Science Survey I (3 cr.) Physics 102: Physical Science Survey II (3 cr.) Physics 103: Elements of Physical Science (3 cr.) Physics 106: Introduction to Physical Geology (4 cr.) Physics 107: Historical Geology (4 cr.) Physics 110: Weather and Climate (4 cr.) Physics 111: Energy and the Environment (4 cr.) Physics 120: Astronomy (3 cr.) Physics 121: Astronomy Lab (1 cr.)</p>	<p>SCIENTIFIC REASONING (3-4 credits)</p> <p>Biology 101: Principles of Biology (4 cr.) Biology 101H: Principles of Biology-Honors (4 cr.) Biology 108: Environmental Biology (4 cr.) Biology 110: Economic Biology (4 cr.) Biology 120: Fundamentals of Biology (4 cr.) Chemistry 100: Consumer Chemistry (3 cr.) Chemistry 100H: Consumer Chemistry-Honors (3 cr.) Physics 101: Physical Science Survey I (3 cr.) Physics 102: Physical Science Survey II (3 cr.) Physics 103: Elements of Physical Science (3 cr.) Physics 106: Introduction to Physical Geology (4 cr.) Physics 107: Historical Geology (4 cr.) Physics 110: Weather and Climate (4 cr.) Physics 111: Energy and the Environment (4 cr.) Physics 120: Astronomy (3 cr.) Physics 121: Astronomy Lab (1 cr.)</p>

Note: Courses taken for Scientific Reasoning and Natural Science must be different.