

## MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BSE MIDDLE LEVEL EDUCATION**

Option: **Science – 30 credits**

Major Field Requirements: **78 credits**

Other Requirements: **15 credits**

When applicable, up to six of the REQUIRED RELATED courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

Course No.	Short Title	C.H.	Grade
<b>REQUIRED CORE COURSES (15 credits)</b>			
MDLV 335	Lit for Chldrn & Young Adol	3.0	_____
PSYC 227	Child & Adolescent	3.0	_____
SPED 101	Orientation to Special Ed	3.0	_____
SPED 311	Design/Implement Instruct (APS, W)	3.0	_____
SPED 331	Positive Lrng Environ for All (APS)	3.0	_____
<b>FOUNDATIONS BLOCK (6 credits)</b>			
<i>(This block must be completed after ERCH 110 and SPED 101          {or taken as a coreq before the rest of the education courses})</i>			
EDFN 211	Foundations Modern Ed (D)	3.0	_____
EDFN 241	Psyc Foundation of Teaching	3.0	_____
<b>PROFESSIONAL BLOCK I (9 credits)</b>			
EDFN 320	Instructional Technology in Elem Ed	3.0	_____
EDUC 323	Tchg Reading in Content (APS, W)	3.0	_____
MDLV 486	Tchg Middl Engl Lang Lrn (APS, P)	3.0	_____
<b>SCIENCE CONCENTRATION (30 credits)</b>			
<b>Select 1 of the following (3 credits)</b>			
BIOL 100	General Biology (G2, L)	3.0	_____
BIOL 101	Foundations of Biology (G2, L)*	4.0	_____
<b>Required Courses (27 credits)</b>			
<del>BIOL 140</del>	<del>Introductory Ecology (G2,L)*</del>	<del>4.0</del>	<del>_____</del>
<i>Take BIOL 340 in Spring: file Grad Excep to count for BIOL 140</i>			
CHEM 111	Intro to Chemistry I (G2, L)* $\Delta$	4.0	_____
CHEM 112	Intro to Chemistry II (G2, L)	4.0	_____
ESCI 202	Earth in Space (G2)*	3.0	_____
ESCI 221	Physical Geology (G2, L)*	4.0	_____
PHYS 131	Physics I with Algebra (G2, L)*	4.0	_____
PHYS 132	Physics II with Algebra (G2, L)	4.0	_____
$\Delta$ Placement Test Required *Check Prerequisites			
<b>PROFESSIONAL BLOCK II – (12 credits)</b>			
MDLV 425	Tchg of Literacy (APS)	6.0	_____
MDLV 456	Tchg Middle Level Math (APS)	3.0	_____
MDLV 466	Tchg of Science (APS)	3.0	_____
<b>PROFESSIONAL BLOCK III – Student Teaching (12 credits)</b>			
EDEL 461	MDLV Stu Teaching (APS)	6.0	_____
EDSP 462	MDLV Stu Teaching (APS)	6.0	_____

  

Course No.	Short Title	C.H.	Grade
<b>REQUIRED MATH COURSES (12 credits)</b>			
MATH 104	Fund of Math (G2) (BST reqd)	3.0	_____
MATH 204	Algrbc Fndtns for MDLV (G2)	3.0	_____
MATH 205	Geometry for MDLV (G2)	3.0	_____
MATH 230	Data Anlys & Prob for MDLV	3.0	_____
<b>REQUIRED SOCIAL STUDIES COURSES (12 credits)</b>			
GEOG 141	World Regional Geography (G3)	3.0	_____
GOVT 111	Intro to American Govt (G3)	3.0	_____
HIST 106	Contours of US History (G3)	3.0	_____
Select 1 of the following (3 credits)			
		3.0	_____
HIST 206	World of 1500 (D, G3, W)		
HIST 260	History of Penna (G3) summer only		
<b>REQUIRED RELATED (3 credits)</b>			
ENGL _____	Literature Course (G1)	3.0	_____
<b>GENERAL EDUCATION COURSES (12 credits)</b>			
COMM 100	Fundamentals of Speech	3.0	_____
ENGL 110	English Composition	3.0	_____
WELL 175	Wellness	3.0	_____
_____	Advanced Writing Course	3.0	_____

  

**Clearances**  
 Act 34/Act 151/FBI clearances and TB test results must be on file in Field Services for registration. To maintain a seat in the class, clearances and TB test results must be updated (not to expire during the current semester) and submitted to the Field Services **one week** prior to the start of classes or you will be dropped from those courses that require field experience.

**Admission to Advanced Professional Studies and Certification**  
 All students enrolled in teacher preparation programs must be admitted to Advanced Professional Studies and meet Pennsylvania state requirements and university requirements prior to being enrolled in their initial Advanced Professional Studies course. Students must meet additional Pennsylvania State requirements in order to be certified. A listing of Advanced Professional Studies courses and requirements is available in each department office, the Early Field Experience office and on the Early Field Experience website.

**Note to the Student:** *This form is provided as a guide. It is your responsibility to consult regularly with your advisor to be aware of changes and curriculum details which are not incorporated on this form.*

# MILLERSVILLE UNIVERSITY

## MAJOR REQUIREMENTS FOR A BSE DEGREE IN MIDDLE LEVEL EDUCATION

DEGREE: BSE

MAJOR: MDLV

OPTION: Science

Total credit hours required: 123.0 minimum

### REQUIREMENTS AND POLICIES FOR THE BSE DEGREE IN THE MIDDLE LEVEL MAJOR

#### A. Policies for Admission to the Major

1. New students (freshmen and transfers) must be admitted to the Middle Level Education major in the Department of Early, Middle & Exceptional Education by the Office of Admissions upon admission to the University.
2. Admission into the Middle Level Education major from other departments that are not the Department of Early, Middle & Exceptional Education (including undecided students) is upon completion of 15.0 credit hours at Millersville University with a grade point average (GPA) of 2.90 or above, verification of fulfillment of one of the Pre-Service testing requirement, a passing score in the Basic Skills Test (BST) administered by the Department of Mathematics, and approval of the chairperson of the Department of Early, Middle & Exceptional Education.
3. Non-degree and continuing education students must be admitted to the Middle Level Education major by the Office of Admissions.

#### B. Policies for Retention in the Major

1. University requirements for retention: a grade of C- or better in ENGL 100 and COMM 100.
2. A grade of C or better is required in education courses (MDLV, EDUC, SPED, EDFN and PSYC).
3. A grade of C or better is required in the required related courses and an English Literature course.
4. Successful completion of Foundations Block and Professional Block I with a grade of C or better in all courses.
5. Successful completion of all courses in the concentration area:
  - a. English Language Arts Concentration
    - i. a grade C or better in all courses (ENGL, EDUC, and SPAN)
  - b. Mathematics Concentration
    - i. a grade of C or better in MATH 104, 204, 205 and 230
  - c. Science Concentration
    - i. a grade of C or better in BIOL 100, BIOL 140, ESCI 202 and PHYS 101
  - d. Social Studies Concentration
    - i. a grade of C or better in all courses (GEOG 141, GOVT 111 and HIST 206 OR HIST 260)
6. A grade of C or better in all 12 credits of non-concentration areas.
7. Admission to Advanced Professional Studies based on current PDE requirements to register for Professional Block II.
8. Successful completion of Professional Block II with a grade of C or better in all courses.

**NOTE:** Students are required to obtain ACT 34 (Criminal Record Check form) , Act 151 (child Abuse History Clearance form), FBI (Federal Criminal History Records check) and TB test to qualify for all field placements beginning in the freshman year.

#### C. Policies for Completion of the Major

1. Completion of all University and Departmental curricular requirements.
2. Demonstrate adequate performance in School and Departmental professional dispositions.

**Note to the student:** *This form is provided as a guide. It is your responsibility to consult regularly with your adviser to be aware of changes and curriculum details which are not incorporated on this form.*

#### MDLV Science Concentration - Courses with "check prerequisites"

**BIOL 101:** Prereq or coreq: MATH 101 or math placement in MATH 160 or higher.

**BIOL 140:** Prereq: ENGL 110, COMM 100 and completion of one course of MATH in college; acceptable courses include MATH 101, MATH 104 or higher. In addition, BIOL 100 or BIOL 101 is recommended.

**CHEM 111:** Prereq: C- grade or higher in CHEM 110, or MATH 101 with a grade of C- or higher, or MPT of 160 or higher, or permission of instructor.

**ESCI 202:** Prereq: MATH 101 with C- or higher, or MPT 151 with C- or higher, or MATH 151 or MATH 161 or MATH 163 or MATH 204 (151, 161, 163, 204 grade of C- or higher) or permission of instructor.

**ESCI 221:** Prereq: MATH 101 (College Algebra) with a grade of C- or higher, or math placement into MATH 160 or higher.

**PHYS 131:** Prereq: MATH 101 or MPT score sufficient for the student to enroll in MATH courses above MATH 110. Offered fall, summer.