

CLARION UNIVERSITY OF PENNSYLVANIA
College of Education, Health & Human Services

MIDDLE LEVEL EDUCATION
Mathematics Concentration

Name _____
 ID# _____
 CUP Entrance Date _____
 Program Entry Date _____
 Advisor _____

Transfer * _____
 ** _____
 Date Cr Cr Date Cr Cr Date Cr Cr

GENERAL EDUCATION REQUIREMENTS (48 Credits)

I. LIBERAL EDUCATION SKILLS – 12 CREDITS

A. English Composition (3-6 credits)
ENGL 111 _____ 3

B. Mathematics Competency (3 credits)
MATH 111: Math Concepts in K – 8 _____ 3

C. Credits to total 12 in Category I, selected from at least two of the following: Academic Support, Communication, Computer Information Science, Elementary Foreign Language, English Composition, INQ 100, Logic, and Speech Communication.
MATH 211: Fundamental Topics in K-8 _____ 3
ECH 417: Tech for Early Childhood Educators _____ 3

II. LIBERAL KNOWLEDGE – 27 CREDITS

A. Physical and Biological Sciences (9 credits) Selected from at least two of the following: Biology, Chemistry, Earth Science, Mathematics Physical Science and Physics.
SCED 205: Laboratory Exp. in Science _____ 3

B. Social and Behavioral Sciences (9 Credits) Selected from the following: Anthropology, Economics, Geog., History, Political Science, Psychology, Sociology, Social Work, and Women’s Studies.
HIST 111 OR HIST 112 OR HIST 113 _____ 3
HIST 120 or HIST 121 _____ 3
PS 211: American Government _____ 3

C. Arts and Humanities (9 Credits) Selected from the following: Art, English Language and Literature, Humanities, Intermediate Foreign Language and Cultures, INQ 100, Music, Philosophy, Speech and Theatre.
ED 350: Teaching English Language Learners _____ 3
ENGL 283: English Grammar and Usage _____ 3

III. HEALTH AND PERSONAL PERFORMANCE (3 Cr)

A. Health and Wellness (2 Credits)

 Personal Performance (1 course and 1 credit)

IV. General Education Electives (6 credits)
 Credits to total 48 from Gen. Ed. Up to 1 credit from III-B allowed.
ED 122: Educational Psychology _____ 3

FLAGS - Record below

* _____ First Year Values (V)
 _____ Writing Intensive (W)
 _____ Quantitative Reasoning (Q)
 _____ Writing Intensive (W)

EDUCATION CORE AND PENNSYLVANIA DEPARTMENT OF EDUCATION COMPETENCIES (21 Additional Credits)

Education:
 ED 110 Ed Foundations for Middle and Sr Hi _____ 3
 ED 122 Educational Psychology _____ 3 (IV)
 ED 327 Instructional Strategies & Management _____ 3
 ED 350 Teaching English Language Learners _____ 3 (IIC)

English:
 ENGL 111: College Writing II _____ 3 (IA)
 ENGL 283: English Grammar & English Usage _____ 3 (IIC)

Science:
 SCED 205: Laboratory Exp. in Science _____ 3 (IIA)
 SCED 305: STEM in the Classroom _____ 3

Social Studies:
 GEOG 100: World Geography _____ 3
 HIST 111 or HIST 112 OR HIST 113 _____ 3 (IIB)
 HIST 120 or HIST 121 _____ 3 (IIB)
 PS 211: American Government _____ 3 (IIB)

Special Education:
 SPED 111 or SPED 418 Except. In Reg. Classroom _____ 3
 SPED 447: Teaching Students with Disabilities _____ 3
 SPED 442 Differentiating Instruction _____ 3

MIDDLE LEVEL MATHEMATICS SPECIALIZATION (24 Additional Credits)

MATH 111: Math Concepts in K-8 _____ 3 (IB)
 MATH 211: Fundamental Topics in K – 8 _____ 3 (ID)
 MATH 171: Pre-calculus _____ 4
 MATH 212: Intuitive Geometry _____ 4
 MATH 216: Problem Solving _____ 3
 MATH 217: Historical Dev. of Math. for Teachers _____ 3
 MATH 270: Calculus I _____ 4
 MATH 271: Calculus II _____ 4
 MATH 370: Linear Algebra _____ 3

1 – 6 BLOCK (12 Additional Credits) Must be taken concurrently

ECH 414: Teaching and Learning Language & Literacy _____ 2
 ECH 415: Learning & Teaching Mathematics _____ 2
 ECH 416: Learning & Teaching Social Studies _____ 2
 ECH 417: Technology for Early Child Educators _____ 3 (ID)
 ECH 418: Learning & Teaching Science _____ 2
 ECH 419: ECH 1 – 6 Practicum _____ 1

MIDDLE LEVEL SECONDARY BLOCK (9 Credits)

ED 329: Educational Assessment ** _____ 3
 ED 333: Teaching Secondary Content Reading _____ 3
 ED 339: Methods of Teaching & Eval. Mathematics _____ 3

STUDENT TEACHING (12 Credits)

EDML 424: Student Teaching _____ 6
 EDML 425: Student Teaching _____ 6

TOTAL CREDITS: 126