

KEAN UNIVERSITY – COLLEGE OF EDUCATION

Department of Elementary, Middle, and Secondary Education (EMSE)

(24111) B.A. IN ELEMENTARY EDUCATION 129 S.H. or more—depending on Academic Major

Certification for K-5 and 5-8

ACADEMIC MAJOR: MATHEMATICAL SCIENCES EFFECTIVE: Spring 2006

Revised: Summer, 2007

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| NAME _____ STUDENT ID # _____ Matriculation Date _____ | TRANSFER INSTITUTION(S) _____ Credits _____ _____ _____ MAPP Score _____ In Progress () _____ Kean () _____ |
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| GENERAL EDUCATION REQUIREMENTS 63 S.H. | ACADEMIC MAJOR: MATHEMATICAL SCIENCES 40 S.H. |
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| Foundations Requirements 13 S.H. GE 1000 Transition to Kean ¹ _____ 1 ENG 1030 Composition ² _____ 3 MATH 1000 College Algebra ² _____ 3 COMM 1402 Speech Communication ² _____ 3 GE 2022 Research & Technology _____ 3 | *See academic adviser in this department for requirements and advisement. REQUIRED COURSES: 28 S.H. MATH 2411 Calculus I _____ 3 MATH 2412 Calculus II _____ 3 MATH 2800 Mathematical Software _____ 1 MATH 2995 Matrix & Linear Algebra _____ 3 MATH 3110 Intro to Proofs _____ 3 MATH 3342 Eucl & Non-Eucl Geom _____ 3 MATH 3451 Calculus III _____ 3 MATH 3452 Calculus IV _____ 3 MATH 3455 Differential Equations _____ 3 MATH 3544 Probability & Math Stat _____ 3 MAJOR ELECTIVES (3000-4000 level) 9 S.H. MATH _____ 3 MATH _____ 3 MATH _____ 3 MATH 4890 Senior Seminar in Mathematics _____ 3 |
| Disciplinary & Interdisciplinary Distribution Requirements Humanities 9 S.H. *ENG 2403 World Literature _____ 3 AH 1700 Art History _____ 3 Music 1050 or 1000 _____ 3 Social Sciences 9 S.H. *HIST 1000 Civil Society In America _____ 3 PSY 1000 General Psychology _____ 3 GEOG 2010 World Geography _____ 3 | PROFESSIONAL EDUCATION² 33 S.H. Sophomore Level _____ 3 EMSE 2802 Exploring Teaching/Lab Experience ² _____ 3 Junior Level _____ 3 EDUC 3000 Curriculum Evaluation-Learner _____ 3 EDUC 3400 Language Arts and Reading _____ 3 EMSE 3140 Soc. Studies & Current Issues _____ 3 EMSE 3123 Math & Science in Education _____ 3 EMSE 3300 Middle School Curriculum and Phil. _____ 2 EMSE 3802 Field Experience in Middle School _____ 1 EMSE 3903 Teaching ELL (take w/EMSE 3802) _____ 1 Senior Level _____ 9 EMSE 4800 Professional Internship (take with EMSE 4900) _____ 3 Capstone Course _____ 3 EMSE 4900 Senior Seminar _____ 3 |
| Science and Mathematics 10 or 11 S.H. *MATH 1054 Pre-Calculus _____ 3 *BIO 1000 Principles of Biology ² _____ 3 ONE course from one of the following areas _____ 4 Astronomy, Biology, Chemistry, Earth Science, Geology, Meteorology, or Physics _____ 3 or 4 | Free Electives 0-9 S.H. (depending on academic major requirements) _____ _____ _____ |
| Health & Physical Education 4 S.H. ID 1225 Issues in Contemporary Health _____ 3 PED 1101, or 1103, or 1105 _____ 1 | Footnote: ¹ Required of all Freshmen and Transfers with fewer than 10 credits ² These courses, including Capstone, require a B- or better. *Required Distribution Course |
| Additional Requirements 18 S.H. PSY 2100 Child Psychology _____ 3 PSY 2110 Psychology of Adolescence _____ 3 HIST 2303 US History to 1877 ² _____ 3 HIST 2304 US History 1877 to Present _____ 3 ID 2950 The Child & Technology _____ 3 ID 2955 Disabled Persons in American Soc. _____ 3 | |

The 5-8 endorsement (subject matter specialization) is available to those whose academic major is: English, mathematics, chemistry/physics, biology, earth science, history, Spanish or math/science/technology.
 To be eligible for the elementary school with subject matter specialization endorsement, the candidate must pass the MAPP and the Praxis in area(s) of specialization.

Students must have and maintain a 2.75 GPA

General Education Courses

Students must earn a B- or higher to meet partial program entry requirements in the following courses: ENG 1030, MATH 1000, COMM 1402, BIO 1000, HIST 2303 or 2304, and EMSE 2802.

Students must also earn a C or higher in the following additional courses after acceptance into the program and before Pre-Professional Internship (EMSE 3802): HIST 2304, MATH 1010, and a science course (options include CHEM 1010, ASTR 1100, GEOL 1200, ES 1400, and PHYS 1000 or 1400). Other college level science courses are acceptable as well.

Academic Major

Students majoring in Elementary Education are required to take an academic major in liberal arts, mathematics, or science as outlined in the Kean University catalog. Some overlap with General Education may occur, in which case the courses that overlap must also be a C grade or higher. Some majors require a greater number of credits and additional cognates. Check specific departmental grade requirements.

Professional Education Courses

Students entering Kean University as freshmen or transfers must earn a B- or higher in all Professional Education courses and a Satisfactory grade in EMSE 3802 and EMSE 4800. EDUC 3000 and EDUC 3400 must be completed prior to taking EMSE 3802; EMSE 3123 & 3140 must be completed prior to EMSE 4800 and 4900.

EMSE 4900 Senior Seminar and EMSE 4800 Professional Internship *must* be taken together and no other course registration is permitted.

*** ALL TEACHER CANDIDATES ARE REQUIRED TO COMPLETE AN EDUCATIONAL PORTFOLIO BEFORE GRADUATION.**

Writing Emphasis Requirement: All students are required to complete a "Writing Emphasis (WE) course. The WE course should be within the major program. EMSE 3140 satisfies this requirement. Consult your academic major program adviser (i.e. History, Earth Science, etc.) for any requirements in the respective program.

Measure of Academic Proficiency & Progress (MAPP): All students entering the Elementary Education Program are required to take the MAPP. This is a test in preparation for the Praxis II. Students must earn a score of 435 on the MAPP to become eligible to apply to the Elementary Education program.

Praxis II (formerly the National Teachers Exam): The State of New Jersey requires a passing score (141) on the Elementary Education: Content Area (10014) of the Praxis II exam prior to senior field experience.

Adviser's Signature

Date

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