## Kean-Ocean Mathematics - Elementary Education K-6 with TSD
*Essential courses in **BOLD***

**LIBERAL ARTS - Option in Education (A.A. program) - A.A.  Degree Program – Effective Catalog Year 2019-2020          Program Code: AA.LA.EDUC**

The Associate of Arts (AA) in Liberal Arts with an option in Education will offer students the first two years of coursework for acceptance into a four year Teacher Preparation Program. The program will provide a specialized degree focusing on teaching in the elementary school (K-6) as a generalist. Emphasis will be placed on preparing students for passing the CORE Praxis test of Reading, Writing and Mathematics for acceptance into a College of Education. Embedded in the Education courses, students will be introduced to the rigors of the required edTPA for eventual New Jersey state licensure.

| GENERAL EDUCATION CORE REQUIREMENTS | | |
|---|---|---|
| COMMUNICATIONS   (9 credits) | | |
| **ENGL 151** | **English I** | 3 cr. |
| **ENGL 152** | **English II** | 3 cr. |
| **COMM 154** | **Fundamentals of Public Speaking** | 3 cr. |
| HISTORY (6 credits) | | |
| **HIST 173** | **US History to 1877** | 3 cr. |
| **HIST 174** | **US History from 1877** | 3 cr. |
| HUMANITIES (9 credits) | | |
| **ENGL 255 or** | **World Literature: Ancient Through 1600** | 3 cr. |
| **ENGL 256** | **World Literature: 1600 to Present** | |
| HIST 181 | World Civilization I | 3 cr. |
| HIST 182 | World Civilization II | 3 cr. |
| SOCIAL SCIENCE (6 credits) | | |
| POLI 161 or POLI 162 | American Federal Government or American State & Local Government | 3 cr. |
| **GEOG 161** | **World Physical Geography** | **3 cr.** |
| DIVERSITY (3 credits) | | |
| GEOG 162 | Human Geography | **3 cr.** |
| MATHEMATICS-SCIENCE-TECHNOLOGY (13 credits)* | | |
| **MATH 191** | **Pre-Calculus I** | 3 cr. |
| **BIOL 161** | **General Biology I** | 4 cr. |
| CSIT 110 | Introduction to Computers and Computer Applications* | 3 cr. |
| **MATH 192** | **Pre-Calculus II (substitution for MATH 156)** | 3 cr. |
| PROGRAM REQUIREMENT | | |
| STSC 155 | Student Success Seminar | 2 cr. |
| *EDUCATION PROGRAM* COURSES | | |
| | • **EDUC 178 Intro to the Education of Exceptional Children**<br>• **EDUC 261 Development of the Learner**<br>• **MATH 265 Calculus I (Substitution EDUC 140)**<br>• **MATH 266 Calculus II (Substitution EDUC 277)** | 14 cr. |
| | **Total:** | **60 cr.** |
| **NOTES:** Students can take up to 66-credits at OCC. The Mathematics degree, requires the following additional courses. Students should attempt to test out of CSIT 110 and replace the credits with MATH | | |

| 275. | |
|---|---|
| | • **MATH 275 Linear Algebra 3-credits**<br>• **Any Lab Science course 4-credits**<br><br>*If a student begins the Mathematics sequence at a higher level, Kean-Ocean will accept any courses in place of MATH 191 & MATH 192.* |
| * | Students may attempt to "test out" of the technology requirement. If they succeed, they will use the additional Mathematics or Physics course to replace the credits. |
| | cr. (credit) = semester credit hour |

Explanation:

- We have designated a number credits in General Education from "open" to a specific course choice. These **do not count** towards the credits that are considered different from the base program.

- We have designated 12 credits in electives as required EDUC elective courses. These changes **do count** towards the difference from the base program. **Therefore, this option differs from the base program by 12 credits.**

**LIBERAL ARTS: EDUCATION - PROGRAM OUTCOMES:**

| Students who successfully complete this program will be able to: | |
|---|---|
| 1 | Apply the knowledge of student learning to develop appropriate activities and classroom management strategies to meet the needs of diverse students based on cultural, language, gender, and exceptionality differences. |
| 2 | Outline the assessment process for classification of a student with exceptionalities and delineate the programs available for each classification from birth to adulthood. |
| 3 | Address key legislations that has impacted the educational system for students, families, and school personnel. |
| 4 | Demonstrate appropriate skills for used in problem solving in Algebra and Geometry for use in developing skills for teaching Math as a future teacher. |
| 5 | Demonstrate writing skills when detailing the clinical observation experience by providing both a reflective narration and clinical report of what was observed. |

Board of Trustees Approval Date: February 28, 2019