



For students graduating from Ocean County College with the A.A. in Liberal Arts or the A.S. General Studies with a Mathematics Concentration and transferring to Kean University

Kean University Courses are in Blue (67 S. H.) Ocean County College Courses are in Green (70 S. H.)

EFFECTIVE DATE: Fall 2016

KEAN DECLARATION AND GRADUATION GPA REQUIREMENT: 3.0

GENERAL EDUCATION REQUIREMENTS: 49 S.H.			ACADEMIC MAJOR COURSES ² : 40 S.H.		
Foundation Requirements: 13 S.H.			Required: Foundation Core²: 18 S.H.		
GE 3000 Transfer Transitions		1	MATH 2415 Calculus I	MATH 265 Calculus I	4
ENG 1030 English Comp ¹	ENGL 151 English I ¹	3	MATH 2416 Calculus II	MATH 266 Calculus II	4
MATH 1054 Precalculus ^{2,3}	MATH 192 Pre-Calculus II ^{2,3}	3	MATH 2995 Matrix & Lin. Algebra	MATH 275 Linear Algebra	3
COMM 1402 Speech Comm ¹	COMM 154 Public Speaking ¹	3	MATH 3415 Calculus III	MATH 267 Calculus III	4
GE 2024 Research & Technology	ENGL 152 English II	3	MATH 3544 Probability and Math Statistics		3
			Required: Concentration²: 16 S.H.		
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION COURSES			MATH 2800 Mathematical Software		
Humanities: 9 S.H.			MATH 3110 Introductions to Proofs		
ENG 2403 World Literature	General Education Literature (GHUM)	3	MATH 3342 Euclidean and Non-Euclidean Geometry		3
Select Two courses from below			MATH 3455 Differential Equations	MATH 280 Differential Equations	3
Fine Arts or Art History	Select two courses from the OCC GHUM courses, excluding English and History.	3	MATH 3891 History of Mathematics		3
Philosophy or Religion			Math 4451 Advanced Calculus		3
Foreign Languages			Required: Major Electives²: 6 S.H. (With advisement, 3000-4000 level)		
Music or Theatre			MATH 3000-4000 level course		3
Interdisciplinary			MATH 3000-4000 level course		3
Social Sciences: 9 S.H.			Professional Education: 32 S.H.		
HIST 1000 or HIST 1062	General Education History (GHIS)	3	Passing scores on Praxis Core Academic Skills for Educators and a GPA of 3.0 are required to apply for Admission to the Special Education Program.		
PSY 1000 General Psychology	PSYC 172 Intro to Psychology	3	Sophomore Level		
SOC 1000 Intro to Sociology	SOC 181 Intro to Sociology	3	SPED 2120 Intro Field Exper ^{1,6}		
			SPED 2200 Multicultural Learner in Diverse Settings ^{1,6}		
Science and Mathematics: 12 S.H.			Junior Level		
CPS 1231 Fund. Comp. Sci.	CSIT 165 Programming I	4	EDUC 3000 Curriculum Evaluation & Learner		
PHYS 2091 Gen. Physics I or PHYS 2095 (recommended)	PHYS 171 Physics I or PHYS 281 General Physics I (recommended)	4	SPED 3000 Principles & Practices in Contemporary Education(WE) ^{4,6}		
Select a class from Biology, Physics, Chemistry or Astronomy	Select a science class from the OCC GSCL list.	4	SPED 3001 Pre-professional Field Experience ⁶		
			EMSE 3220 Math Education in K-12 ⁶		
			EDUC 3401 Language/Reading in Secondary Curricula ⁶		
Health/Physical Education: 3 S.H.			Senior Level		
ID 1225 Issues in Contemporary Health	HEHP 225 Contemporary Health	3	EDUC 4000 Teacher and Classroom ⁷		
			SPED 4135 Professional Field Experience ⁷ (Prerequisite: Passing Score on the Praxis II Math Exam)		
GE and Major Capstone²: 3 S.H.			TOTAL CREDITS		
MATH 4890 Senior Seminar in Mathematics (WE) ^{2,4}		3	137 S.H.		
Additional Required Courses: 16 S.H.			³ Students whose qualifying score on the placement test makes them eligible to take MATH 2415 (MATH 265 at OCC) can start with that course, and will have an additional 3 credits of free electives to total 137 degree credits. Students whose qualify score does not make them eligible to take MATH MATH 192 or MATH 191 will need to take appropriate pre-requisite courses.		
CPS 2231 Comp. Org. & Prog.	CSIT 166 Programming II	4	⁴ WE = Writing Emphasis course.		
PSY 2110 Psychology of Adolescence ⁵		3	⁵ Pre-requisite: PSY 1000/PSYC 172		
ID 2052 Human Exceptionality ^{1,6}	EDUC 178 Intro. Ed. of Ex. Stu. ¹	3	⁶ Pre-requisite: 3.0 Cumulative GPA.		
ID 3051 Computer Technology in Todays Inclusive Society		3	⁷ SPED 4135 and EDUC 4000 MUST be taken concurrently.		
ID 3163 Building Inclusive Environments Positive Behavioral Support		3			
¹ Requires a grade of B- or better.					
² Requires a grade of C or better.					