

KEAN UNIVERSITY – COLLEGE OF Natural, Applied, & Health Sciences

(78306) B.S. IN COMPUTER SCIENCE (Information Systems Option) : 124 S.H.

EFFECTIVE DATE: Fall 2009

START TERM: _____

NAME		TRANSFER INSTITUTIONS (X)	Credits:
STUDENT ID#		In Progress	
Description	Credit	Semester / Year	Grade
GENERAL EDUCATION: 35 Semester Hours (S.H.)			
Foundation Requirements 13 S.H.			
G.E. 1000 Transition to Kean ²	1		
ENG 1030 Composition ³	3		
MATH 1000 ^{3,4}	3		
COMM 1402 Speech Communication	3		
GE 2024 Research & Technology	3		
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS:			
Humanities: 6 S.H. (from different areas)			
*ENG 2403 World Literature	3		
Fine Arts/Art History	3		
Philosophy or Religion	3		
Foreign Languages (Must take I and II for credit) ⁵	3		
Music or Theatre	3		
Interdisciplinary	3		
Social Sciences: 6 S.H. (from different areas)			
*HIST 1000 (American) or HIST 1062 (World)	3		
Psychology	3		
Economics or Geography	3		
Political Science	3		
Sociology or Anthropology	3		
Interdisciplinary	3		
Science and Mathematics: 7 S.H.			
MATH 1054 ^{3,4}	3		
Lab Science	4		
Biology; Chemistry; Physics; Geology; Meteorology; Earth Science; Astronomy			
G.E. and Major Capstone: 3 S.H.			
CPS 4951 Sr. Design/Development Project or CPS 4961 Sr. Research	3		
ADDITIONAL REQUIRED COURSES:³ 27-28 S.H.			
ENG 3091 Technical Writing	3		
MATH 2110 Discrete Structures	3		
MATH 2526 Applied Statistics	3		
COMM 2405 Public Speaking	3		
TECH 2925 Web Client-Side Programming or a Lab Science II for 4 S.H.	3/4		
MATH 2415 (or 2411) Calculus I, ⁴ or MATH 2995 Matrix & Linear Algebra, or MATH 2400 Calculus for Business	3/4		

Description	Credit	Semester / Year	Grade
ACADEMIC MAJOR ³ 42 S.H.Total Credits			
REQUIRED: Major Core ^{3,8} 18 S.H.			
CPS 1231 Foundations Of Computer Science ⁶	4		
CPS 2231 Computer Organization & Programming	4		
CPS 2232 Data Structures	4		
CPS 2390 Organization & Architecture	3		
CPS 3250 Computer Operating Systems	3		
MAJOR CONCENTRATION REQUIREMENTS ^{3,8} 12 S. H.			
CPS 3351 Information Systems Programming	3		
CPS 3740 Database Management	3		
CPS 3962 Object Oriented Analysis & Design ^{WE}	3		
CPS 4931 Distributed Systems Applications	3		
MAJOR ELECTIVES ^{3,7,8} 12 S.H.			
ADDITIONAL REQUIRED COURSES ³ (Continued)			
Select <u>one</u> of the approved Tracks ^{See back 9}			
Accounting & Finance:			
Acct 2200 Accounting I	3		
FIN 3310 Mgt of Corporate Finance I	3		
ACCT 2210 Accounting II, Or FIN 3311 Mgt of Corporate Finance II	3		
Quantitative Management:			
ACCT 2200 Accounting I	3		
MGS 2110 Quantitative Methods	3		
MGS 4010 Operations Management	3		
Web Systems:			
GD 1000 Comp. Graphic Design I (FA1100 or DSN1101 pre-req)	3		
GD 2000 Comp. Graphic Design I (FA1100 or DSN1101 pre-req)	3		
TECH 3601 New Media Programming	3		
FREE ELECTIVES: 18-20 S.H. at least 50% must be 3000/4000 level			
Other Transfer:			
Special Notes:			
*G.E. required course			
TOTAL CREDITS:			
Advisor:			
Advisor Signature:			

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¹ See approved GE Distribution course list at <http://www.kean.edu/~gened/advisementinfo.html>

² Required of all Freshmen and Transfers with fewer than 10 credits.

³ English 1030 and all major and supporting courses, including the Capstone, require a grade of C or better.

⁴ Students whose qualifying score on the placement test makes them eligible to take MATH 1054 or MATH 2415 may take that course instead. If Math 2415 is taken for GE credits, then Math 2995 is expected in the three courses which are ORed together. In these cases, with 12 credits in math, the student may take three more credits in free electives.

⁵ Credit granted only upon completion of two semesters of elementary or intermediate foreign language. Three credits may be applied to Humanities and three credits may be applied to free electives.

⁶ Students who have had prior programming experience may enter CPS 2231 directly. In this case, CPS 2231 will be counted as a General

Education requirement and the student may take another four credits in free electives to total 124 S.H.

⁷ Select 4 CPS (or max 1 IT/TECH course from approved list) with department advisement at the 3000 level or higher.

⁸ Students must take at least half of their CPS credits at Kean University

⁹ May be another 3-course Computing Application sequence from a list approved by the department, see attached list. Examples are Criminal Justice, Economics, Biology etc.

NOTE ON FREE ELECTIVES

CPS 4999 Cooperative Education may be counted as a free elective (no more than 3 S.H.). There are four prerequisites for CPS 4999 which include the following:

- (a) a minimum of 21 credits in Computer Science, including all Major Core Requirements , and CPS 3351;
- (b) a minimum 3.00 GPA in the major;
- (c) a minimum 2.75 cumulative GPA; and
- (d) approval of the Departmental Advisory Committee.

ADMISSION REQUIREMENTS

The Department of Computer Science has formally adopted the following standards for admission to all options of the Computer Science major:

1. Minimum cumulative GPA of 2.5 at the time of admission to the major.
2. Completion of at least 12 credits of CPS courses at Kean University with a grade of "C" or better in each.

Comments:

Evaluator's Signature _____ **Date** _____

Advisor's Signature _____ **Date** _____

Advisor's Signature _____ **Date** _____

Advisor's Signature _____ **Date** _____

Advisor's Signature _____ **Date** _____

Advisor's Signature _____ **Date** _____

Advisor's Signature _____ **Date** _____

Advisor's Signature _____ **Date** _____

Advisor's Signature _____ **Date** _____

Your major department is located in the Willis 408, phone (908)737-4250.

YOU MUST BRING THIS EVALUATION AND YOUR KEAN UNIVERSITY TRANSCRIPT TO ALL ADVISING/REGISTRATION SESSION.