

(28702) B.S. in Information Technology (5-year M.S. Computer Information Systems option)**5-year Study Plan, Total 126+24 = 150 credits**

This first-year study plan is for new students only. All new students should see their CS/IT faculty advisor (in Oct) to review and update their 4-year study plans before the early registration period (in Nov). **Students should pay attention to each course's prerequisites and the offered semester (CourseID CourseName (credits) (semester offered))**. Please check the academic guide sheets at <http://yoda.kean.edu/studyplans/>

Name:	Faculty Advisor:
Kean Id#	Catalog Year:

Notes: (Tip) Modify this template by typing the year, moving courses around, adding rows, etc. and make your personalized study plan.

1st Year Fall (16)	1st Year Spring (18)
MATH 1000 Algebra (3)	MATH 1054 Precalculus (3)
TECH 1010 IT Foundations (3) (FA/SP)	CPS 1231 Fundamentals of CS (4) (FA/SP)
COMM 1402 Speech Communication (3)	TECH 1505 Digital Circuits and Systems (4) (FA/SP)
ENG 1030 College Composition (3)	HIST 1062 Worlds of History (3)
GE 1000/3000 Transition to Kean (1)	Lab Science (4)
ID 1400 Comp. in Modern Society (3) - Free Elective #1	

Internship, summer course, or summer research

2nd Year Fall (16)	2nd Year Spring (16)
MATH 2110 Discrete Structures (3)	MATH 2526 Applied Statistics (3)
CPS 2231 Computer Programming (4) (FA/SP)	CPS 2240 IT Data Structures (3) (FA/SP)
TECH 2920 Computer Systems (3)	TECH 2520 Network Technology (3) (FA/SP)
ENG 2403 World Literature (3)	COMM 3590 Business and Professional Communication (3)
GE 2024 Research and Technology (3)	MGs 2030 Principles of Management (3)
	CPS 2010 Career Education (1) - Free Elective #2

Internship, summer course, or summer research

3rd Year Fall (15)	3rd Year Spring (15)
TECH 3500 Web Client-Side Programming (3) (FA)	CPS 3601 Human Computer Interaction (3) (SP)
TECH 3740 IT Database Management Systems (3) (FA/SP)	TECH 3498 IT Computer Security (3) (FA/SP)
TECH 3525 Intro. to Unix/Linux (3) (FA/SP)	TECH 3910 IT Project Management (3) (SP)
ENG 3091 Technical Writing (3)	Social Sciences (3)
CPS 3440 Analysis of Algorithms (3) (FA)	Humanities (3)

Internship, summer course, or summer research

4th Year Fall (12+3)	4th Year Spring (12+3)
TECH Major Elective (3) #1	TECH 4513 Senior Project (3) (SP)
TECH Major Elective (3) #2	TECH Major Elective (3) #3
Free Elective 3000/4000 (3) #3	TECH/CPS Major Elective (3) #4
Free Elective 3000/4000 (3) #4	Free Elective 3000/4000 (3) #5
CPS 5440 Advanced Analysis of Algorithms (3) (FA)	CPS 5100 Computer Information Systems (3) (SP)

Internship, summer course, or summer research

5th Year Fall (12)	5th Year Spring (12)
CPS 5740 Database Systems (3) (FA)	CPS 5981 Software Assurance (3) (SP)
CPS 5301 Software Engineering (3) (FA)	CPS 5995 CIS Capstone (3) (SP)
CPS 5xxx Major Elective #1 (3)	CPS 5xxx Major Elective #3 (3)
CPS 5xxx Major Elective #2 (3)	CPS 5xxx Major Elective #4 (3)

Internship, summer course, or summer research

Fall offered TECH Major Electives	Spring offered TECH Major Electives
TECH 3540 Robotics & Automation (3) (FA)	TECH 4527 Computer & Cloud System Admin. (3) (SP)
TECH 3620 Mobile App. Development (3) (FA)	TECH 4750 Health Informatics (3) (SP)
TECH 3750 Health IT (3) (FA)	CPS 3320 Python Programming (3) (SP)

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Note: The course sequence and layout provided is an estimate, based on available information and may change, due to program requirements, student performance, and may be subject to human error. All students should check their study plans and take personal responsibility for accuracy and correctness.

TECH 4524 Internetworking: Switches & Routers (3) (FA)	
CPS 4498 Digital Forensics (3) (FA)	CPS 5500 Web Design and Development (3) (SP)
CPS 4745 Visualization Design & Development (3) (FA)	CPS 5601 Human Computer Interaction (3) (SP)
TECH 4601 User Experience Design (3) (TBA)	CPS 5721 Data Mining (3) (SP)
	CPS 5801 Artificial Intelligence and Expert Systems (3) (SP)
CPS 5498 Digital Forensics and Investigation (3) (FA)	CPS 5931 Network Systems (3) (SP)
CPS 5745 Interactive Information visualization (3) (FA)	
CPS 5802 Machine Learning Innovation (3) (FA)	
CPS 5965 High Performance Computing (3) (FA)	