# (28700) B.S. in Information Technology: 4-year Study Plan

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

| Name: | Faculty Advisor: |
|---|---|
| Kean Id# | Catalog Year: |

Notes:

| 1st Year Fall (16) | 1st Year Spring (18) |
|---|---|
| **MATH 1000** Algebra (3) | **MATH 1054** Pre-calculus (3) |
| **TECH 1010** IT Foundations (3) | **CPS 1231** Fundamentals of CS (4) |
| **COMM 1402** Speech Communication (3) | **TECH 1505** Digital Circuits and Systems (4) |
| **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) | **CPS 2240** IT Data Structures (3) |
| **TECH 2920** Computer Systems (3) | **TECH 2520** Network Technology (3) |
| **ENG 2403** World Literature (3) | **COMM 3590** Business and Professional Communication (3) |
| **GE 2024** Research and Technology (3) | **MGS 2030** Principles of Management (3) |
| | **TECH 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 only | **CPS 3601** Human Computer Interaction (3) – SP only |
| **TECH 3740** IT Database Management Systems (3) – FA/SP | **TECH 3498** IT Computer Security (3) – SP/FA |
| **TECH 3525** Intro. To Unix/Linux (3) – FA/SP | **TECH 3910** IT Project Management (3) – SP only |
| **ENG 3091** Technical Writing (3) | **Social Science (3)** |
| **Humanities (3)** | **Free Elective** (3) #3 |

Internship, summer course, or summer research

| 4th Year Fall (12) | 4th Year Spring (12) |
|---|---|
| **TECH Elective** (3) #1 | **TECH 4513** Senior Project (3) – SP only |
| **TECH Elective** (3) #2 | **TECH Elective** (3) #3 |
| **Free Elective 3000/4000** (3) #4 | **TECH/CPS Elective** (3) #4 |
| **Free Elective 3000/4000** (3) #5 | **Free Elective 3000/4000** (3) #6 |
| | |

Internship, summer course, or summer research

| Fall offered TECH Major Electives | Spring offered TECH Major Electives |
|---|---|
| **TECH 3540** Robotics & Automation (FA)(3) | **TECH 4527** Computer & Cloud System Admin. (SP)(3) |
| **TECH 3620** Mobile App. Development (FA)(3) | **TECH 4750** Health Informatics (SP)(3) |
| **TECH 3750** Health IT (FA)(3) | **CPS 3320** Python Programming (SP)(3) |
| **TECH 4524** Internetworking: Switches & Routers (FA)(3) | |
| **CPS 4498** Digital Forensics (FA)(3) | |
| **CPS 4745** Visualization Design & Development (FA)(3) | |
| **TECH 4601** User Experience Design (TBA)(3) | |

Rev. 07/2021 NSO only

*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.*

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