**B.S. in Information Technology: 4-year Study Plan (start with Math 0901/1000)**

*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: All transfer students should take CPS 1010 (1 credit).

|  |  |
| --- | --- |
| **1st Year Fall (16-3)** | **1st Year Spring (17)** |
| **MATH 0901** Basic Algebra (3) 🡪 not counted | **MATH 1054** Precalculus (3) |
| **MATH 1000** Algebra (3) | **CPS 1231** Fundamentals of CS (4) |
| **COMM 1402** Speech Communication (3) | **TECH 1010** IT Foundations (3) |
| **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 - **Free Elective** #1 (3) |  |

Internship, summer course, or summer research

|  |  |
| --- | --- |
| **2nd Year Fall (17)** | **2nd Year Spring (16)** |
| TECH 1505 Digital Systems & Communication (4) | **MATH 2526** Applied Statistics (3) |
| **CPS 2231** Computer Programming (4) | **CPS 2240** IT Data Structures (3) |
| **MATH 2110** Discrete Structures (3) | **TECH 2520** Network Technology (3) |
| **ENG 2403** World Literature (3) | **COMM 3590** Business and Professional Communication (3) |
| **GE 2024** Research and Technology (3) | **TECH 2920** Computer Systems (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 only | **CPS 3601** Human Computer Interaction (3) – SP only |
| **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 only |
| **ENG 3091** Technical Writing (3) | **Social Science (3)** |
| **MGS 2030** Principles of Management (3) | **Free Elective** (3) #3 |

Internship, summer course, or summer research

|  |  |
| --- | --- |
| **4th Year Fall (15)** | **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 |
| **Humanities (3)** |  |

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 4745** Visualization Design & Development (FA)(3) |  |
| **TECH 4601** User Experience Design (TBA)(3) |  |
|  |  |