**B.S. in Information Technology: 4-year Study Plan (start with Math 1054)**

*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/>

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

Notes: Assume Math 1000 (3) is waived, but need to take a free elective to fill the spot.

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

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| **1st Year Fall (17)** | **1st Year Spring (18)** |
| **MATH 1054** Precalculus (3) | **MATH 2110** Discrete Structures (3) |
| **TECH 1010** IT Foundations (3) | **CPS 2231** Computer Programming (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) |
| **CPS 1231** Fundamentals of CS (4) |  |

Internship, summer course, or summer research

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| **2nd Year Fall (15)** | **2nd Year Spring (16)** |
| **CPS 2240** IT Data Structures (3) | **TECH 3525** Intro. To Unix/Linux (3) – FA/SP |
| **TECH 2520** Network Technology (3) | **TECH 3740** IT Database Management Systems (3) – FA/SP |
| **TECH 2920** Computer Systems (3) | **MGS 2030** Principles of Management (3) |
| **ENG 2403** World Literature (3) | **MATH 2526** Applied Statistics (3) |
| **GE 2024** Research and Technology (3) | **ID 1400** Comp. in Modern Society - **Free Elective** #1 (3) |
|  | **CPS 2010** Career Education (1) - **Free Elective** #2 |

Internship, summer course, or summer research

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| **3rd Year Fall (15)** | **3rd Year Spring (15)** |
| **TECH 3500** Web Client-Side Programming (3) – FA only | **TECH 3910** IT Project Management (3) – SP only |
| **TECH** **Elective** (3) #1 | **TECH 3498** IT Computer Security (3) – FA/SP |
| **TECH** **Elective** (3) #2 | **CPS 3601** Human Computer Interaction (3) – SP only |
| **ENG 3091** Technical Writing (3) | **Free Elective 1-4000** (3) #3 |
| **COMM 3590** Business and Professional Communication (3) | **Free Elective 3000/4000** (3) #4 |

Internship, summer course, or summer research

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| **4th Year Fall (12+3)** | **4th Year Spring (12+3)** |
| **TECH** Elective (3) #3 | **TECH 4513** Senior Project (3) – SP only |
| **Social Science (3)** | **Humanities (3)** |
| **Free Elective** 3000/4000 (3) #5 | **Free Elective** 3000/4000 (3) #6 |
| **Free Elective** to fill Math 1000 (3) | **TECH/CPS** **Elective** (3) #4 |
| **CPS Graduate course** (3) #1 – 5 year program (not counted) | **CPS Graduate course** (3) #2 – 5 year program (not counted) |

Internship, summer course, or summer research

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| **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) |  |